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Question Paper Name :	B ARCH EO 23rd Feb 2021 Shift 2
Subject Name :	B ARCH EO
Creation Date :	2021-02-22 14:00:07
Duration :	180
Number of Questions :	82
Total Marks :	400
Display Marks:	Yes

B ARCH EO

Group Number :	1
Group Id :	708191151
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	400
Is this Group for Examiner? :	No

Mathematics Section A

Section Id :	708191500
Section Number :	1
Section type :	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 :	708191780
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 70819114102 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 :

70819146821. $\frac{121}{3}$

70819146822. $\frac{122}{3}$

70819146823. $\frac{125}{3}$

70819146824. $\frac{128}{3}$

Question Number : 1 Question Id : 70819114102 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$$\int_{-4}^4 |9-x^2| dx \text{ ସମାକଳନର ମୂଲ୍ୟ ଅଟେ :}$$

Options :

70819146821. $\frac{121}{3}$

70819146822. $\frac{122}{3}$

70819146823. $\frac{125}{3}$

70819146824. $\frac{128}{3}$

Question Number : 2 Question Id : 70819114103 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 :

70819146825. $\frac{31}{13}$

70819146826. $\frac{108}{13}$

70819146827. $\frac{27}{2}$

70819146828. $\frac{54}{7}$

Question Number : 2 Question Id : 70819114103 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଗୋଟିଏ ଗୁଣୋତ୍ତର ଶ୍ରେଣୀର ଅସୀମ ପଦ ମାନଙ୍କର ସମଷ୍ଟି 3 ଏବଂ ପଦମାନଙ୍କର ବର୍ଗମାନଙ୍କର ସମଷ୍ଟି $\frac{9}{2}$ ଅଟେ ।
ପଦମାନଙ୍କର ଘନପଦମାନଙ୍କର ସମଷ୍ଟି ଅଟେ :

Options :

70819146825. $\frac{31}{13}$

70819146826. $\frac{108}{13}$

70819146827. $\frac{27}{2}$

70819146828. $\frac{54}{7}$

Question Number : 3 Question Id : 70819114104 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 :

70819146829. $P \Leftrightarrow P \vee q$

70819146830. $(P \wedge q) \Leftrightarrow P$

70819146831. $(P \wedge (\sim P \vee q)) \vee (\sim q)$

70819146832. $(p \vee \sim p) \wedge (q \vee (\sim q))$

Question Number : 3 Question Id : 70819114104 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନରେ ଦିଆଯାଇଥିବା କେଉଁ ବୁଲିଆନ୍ ଉକ୍ତିଟି ଏକ ପୁନରୁକ୍ତି (ଟାଟୋଲୋଜି) ଅଟେ ?

Options :

70819146829. $P \Leftrightarrow P \vee q$

70819146830. $(P \wedge q) \Leftrightarrow P$

70819146831. $(P \wedge (\sim P \vee q)) \vee (\sim q)$

70819146832. $(p \vee \sim p) \wedge (q \vee (\sim q))$

Question Number : 4 Question Id : 70819114105 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 :

70819146833. a, b and c are in Arithmetic Progression

70819146834. a, b and c are in Geometric Progression

70819146835. a, 2b and c are in Arithmetic Progression

70819146836. a, b and c satisfy $2b^2 = ac$

Question Number : 4 Question Id : 70819114105 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଧରାଯାଉ $|a| < 1, |b| < 1, |c| < 1$ ଏବଂ $x = \sum_{n=0}^{\infty} a^n, y = \sum_{n=0}^{\infty} b^n, z = \sum_{n=0}^{\infty} c^n$ ଯଦି $\frac{1}{x}, \frac{1}{y}, \frac{1}{z}$ ସମାନ୍ତର ପ୍ରଗତି (ଶ୍ରେଣୀ) ରେ ରୁହନ୍ତି, ତେବେ :

Options :

70819146833. a, b ଏବଂ c ସମାନ୍ତର ପ୍ରଗତିରେ ଅଛନ୍ତି ।

70819146834. a, b ଏବଂ c ଗୁଣୋତ୍ତର ପ୍ରଗତିରେ ଅଛନ୍ତି ।

70819146835. $a, 2b$ ଏବଂ c ସମାନ୍ତର ପ୍ରଗତିରେ ଅଛନ୍ତି ।

70819146836. a, b ଏବଂ c ସର୍ତ୍ତ $2b^2 = ac$ କୁ ସିଦ୍ଧ କରିବେ ।

Question Number : 5 Question Id : 70819114106 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 :

70819146837. $15e + 5$

70819146838. $15e - 5$

70819146839. $16e - 5$

70819146840. $16e - 7$

Question Number : 5 Question Id : 70819114106 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$\sum_{n=1}^{\infty} \frac{2n^2 + 7n + 5}{n!}$ ସମାନ ହେଉଛି ।

Options :

70819146837. $15e + 5$

70819146838. $15e - 5$

70819146839. $16e - 5$

70819146840. $16e - 7$

Question Number : 6 Question Id : 70819114107 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819146841. 5

70819146842. 3

70819146843. 7

70819146844. 1

Question Number : 6 Question Id : 70819114107 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

λ ର ସର୍ବନିମ୍ନ କେଉଁ ଯୁକ୍ତାତ୍ମକ ପୂର୍ଣ୍ଣସଂଖ୍ୟା ମୂଲ୍ୟ ପାଇଁ $10^{50} + (3 \times (4)^{52}) + \lambda$, 9 ଦ୍ଵାରା ବିଭାଜ୍ୟ ଅଟେ :

Options :

70819146841. 5

70819146842. 3

70819146843. 7

70819146844. 1

Question Number : 7 Question Id : 70819114108 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 :

70819146845. 455

70819146846. 421

70819146847. 435

70819146848. 441

Question Number : 7 Question Id : 70819114108 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଏକ ସମତଳର ତିନୋଟି ସମାନ୍ତର ରେଖା ଉପରେ 4, 5 ଏବଂ 6 ଟି ବିନ୍ଦୁ ଅଛି । ଯଦି 4 ଟି ବା ତା ଠାରୁ ଅଧିକ ବିନ୍ଦୁଥିବା କୌଣସି ସେଟ୍ ଚକ୍ରିୟ ନୁହେଁ ଓ ଭିନ୍ନ ଭିନ୍ନ ରେଖା ଉପରେ ଥିବା କୌଣସି 3 ଟି ବିନ୍ଦୁ ଏକ ସରଳରେଖା ଉପରେ ଅବସ୍ଥିତ ନଥାନ୍ତି (ଏକ ରେଖାରେ ନୁହେଁ), ତେବେ ଠିକ୍ 3 ଟି ବିନ୍ଦୁ ମଧ୍ୟ ଦେଇ ଗତି କରୁଥିବା ବୃତ୍ତମାନଙ୍କର ସଂଖ୍ୟା ଅଟେ :

Options :

70819146845. 455

70819146846. 421

70819146847. 435

70819146848. 441

Question Number : 8 Question Id : 70819114109 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 :

70819146849. $a = 1, b = 0$

70819146850. $a = 0, b = 1$

70819146851. $a = 0, b = -1$

70819146852. $a = -1, b = 1$

Question Number : 8 Question Id : 70819114109 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଯଦି $y = \frac{ax-b}{(x-1)(x-4)}$ ର, ବିନ୍ଦୁ $(2, -1)$ ଠାରେ ଅଭିମାନ ମୂଲ୍ୟ ଅଛି, ତେବେ a ଏବଂ b ର ମୂଲ୍ୟ ଅଟେ :

Options :

70819146849. $a=1, b=0$

70819146850. $a=0, b=1$

70819146851. $a=0, b=-1$

70819146852. $a=-1, b=1$

Question Number : 9 Question Id : 70819114110 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 :

70819146853. $\frac{9}{13}$

70819146854. $\frac{15}{4}$

70819146855. $\frac{13}{9}$

70819146856. $\frac{1}{13}$

Question Number : 9 Question Id : 70819114110 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ସମତଳ ଦ୍ୱାରା $\vec{r} \cdot (2\hat{i} + \hat{j} - 2\hat{k}) + 5 = 0$ ଏବଂ $\vec{r} \cdot (6\hat{i} + 3\hat{j} - 6\hat{k}) + 2 = 0$ ମଧ୍ୟରେ ଦୂରତ୍ୱ ଅଟେ :

Options :

70819146853. $\frac{9}{13}$

70819146854. $\frac{15}{4}$

70819146855. $\frac{13}{9}$

70819146856. $\frac{1}{13}$

Question Number : 10 Question Id : 70819114111 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 :

70819146857. $\frac{7}{20}$

70819146858. $\frac{1}{20}$

70819146859. $\frac{19}{20}$

70819146860. $\frac{12}{20}$

Question Number : 10 Question Id : 70819114111 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଗଣିତର ଏକ ପ୍ରଶ୍ନକୁ ଦୁଇଟି ଛାତ୍ର X ଏବଂ Y ଦ୍ୱାରା ସମାଧାନ କରିବାର ସମ୍ଭାବ୍ୟତା ଯଥାକ୍ରମେ $\frac{1}{4}$ ଓ $\frac{1}{5}$ ଅଟେ । ଯଦି ପ୍ରଶ୍ନଟିକୁ ସମାଧାନ କରିବା ପାଇଁ ଉଭୟ ସ୍ୱାଧୀନ ଭାବରେ ଚେଷ୍ଟା କରନ୍ତି, ତେବେ ଠିକ୍ ଜଣକ ଦ୍ୱାରା ପ୍ରଶ୍ନଟି ସମାଧାନ ହୋଇଯିବାର ସମ୍ଭାବ୍ୟତା ଅଟେ :

Options :

70819146857. $\frac{7}{20}$

70819146858. $\frac{1}{20}$

70819146859. $\frac{19}{20}$

70819146860. $\frac{12}{20}$

Question Number : 11 Question Id : 70819114112 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 :

70819146861. $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$

70819146862. $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819146863. $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

70819146864. $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$

Question Number : 11 Question Id : 70819114112 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ମିଶ୍ର (କଂପ୍ଲେକ୍ସ) ସଂଖ୍ୟା $\frac{1+i}{1-i}$ ର ପ୍ରୁବୀୟ (ପୋଲାର) ରୂପ ସମାନ ହେଉଛି :

Options :

70819146861. $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$

70819146862. $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819146863. $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

70819146864. $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$

Question Number : 12 Question Id : 70819114113 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 :

70819146865. ²

70819146866. ³

70819146867. ⁴

70819146868. ¹

Question Number : 12 Question Id : 70819114113 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଯଦି ଦିନୁ ଦ୍ଵୟ $(1, 0)$ ଏବଂ $(3, 0)$ କୁ ଯୋଗ କରୁଥିବା ରେଖାଖଣ୍ଡକୁ $2:1$ ଅନୁପାତରେ ଲମ୍ବ ଭାବରେ ଛେଦ କରୁଥିବା ରେଖାର ସମୀକରଣଟି $ax=7$ ହୁଏ, ତେବେ a ର ମୂଲ୍ୟ ସମାନ ହେଉଛି :

Options :

70819146865. ²

70819146866. ³

70819146867. ⁴

70819146868. ¹

Question Number : 13 Question Id : 70819114114 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 :

70819146869. $x^2 + y^2 - 2x + 4y + 3 = 0$

70819146870. $x^2 + y^2 - 4x - 2y + 4 = 0$

70819146871. $2(x^2 + y^2) - x + y + 1 = 0$

70819146872. $x^2 + y^2 - 2x - 4y + 3 = 0$

Question Number : 13 Question Id : 70819114114 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$x + y = 2$ ରେଖା ଉପରେ, $x^2 + y^2 - 2x = 0$ ବୃତ୍ତର ପ୍ରତିବିମ୍ବ ବୃତ୍ତଟିର ସମୀକରଣ ଅଟେ :

Options :

70819146869. $x^2 + y^2 - 2x + 4y + 3 = 0$

70819146870. $x^2 + y^2 - 4x - 2y + 4 = 0$

70819146871. $2(x^2 + y^2) - x + y + 1 = 0$

70819146872. $x^2 + y^2 - 2x - 4y + 3 = 0$

Question Number : 14 Question Id : 70819114115 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 :

70819146873. $y+3=0$ and $x-1=0$

70819146874. $x-3=0$ and $y+1=0$

70819146875. $x+3=0$ and $x-1=0$

70819146876. $y+3=0$ and $y-1=0$

Question Number : 14 Question Id : 70819114115 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଦୀର୍ଘବୃତ୍ତ (ଇଲିପ୍ସ) $\frac{(x+1)^2}{2^2} + \frac{(y-1)^2}{3^2} = 1$ ଏବଂ ବୃତ୍ତ $(x+1)^2 + (y-1)^2 = 4$ ର ସାଧାରଣ ସ୍ପର୍ଶକମାନଙ୍କର

ସମୀକରଣ ଗୁଡ଼ିକ ଅଟେ :

Options :

70819146873. $y+3=0$ ଏବଂ $x-1=0$

70819146874. $x-3=0$ ଏବଂ $y+1=0$

70819146875. $x+3=0$ ଏବଂ $x-1=0$

70819146876. $y+3=0$ ଏବଂ $y-1=0$

Question Number : 15 Question Id : 70819114116 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 :

70819146877.
$$\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$$

70819146878.
$$\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$$

70819146879.
$$\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$$

70819146880.
$$\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$$

Question Number : 15 Question Id : 70819114116 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଯଦି $A = \begin{bmatrix} 1 & a \\ 0 & 1 \end{bmatrix}$, ତେବେ A^k ($k \in \mathbb{N}$) ର ରୂପ :

Options :

70819146877.
$$\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$$

70819146878.
$$\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$$

70819146879.
$$\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$$

70819146880.
$$\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$$

Question Number : 16 Question Id : 70819114117 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 :

70819146881. $s=5, t=13$

70819146882. $s \neq 5$

70819146883. $s=5, t \neq 13$

70819146884. $t \neq 13$

Question Number : 16 Question Id : 70819114117 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

‘ s ’ ଏବଂ ‘ t ’ ର କେଉଁ ମୂଲ୍ୟ ପାଇଁ

$$x_1 + x_2 + x_3 = 5$$

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

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

ଏହି ସହସମୀକରଣ ଗୁଡ଼ିକର ସମାଧାନ ନାହିଁ ?

Options :

70819146881. $s=5, t=13$

70819146882. $s \neq 5$

70819146883. $s=5, t \neq 13$

70819146884. $t \neq 13$

Question Number : 17 Question Id : 70819114118 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 :

70819146885. 1

70819146886. -1

70819146887. 0

70819146888. 2

Question Number : 17 Question Id : 70819114118 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ମୂଳ ଅନ୍ତରାଳ $(1, \infty)$ ମଧ୍ୟରେ $\tan^{-1}\left(\frac{2x}{1-x^2}\right)$ ର $\sin^{-1}\left(\frac{2x}{1+x^2}\right)$ ଭିତ୍ତିକ ଅବକଳନ ଅଟେ :

Options :

70819146885. 1

70819146886. -1

70819146887. ⁰

70819146888. ²

Question Number : 18 Question Id : 70819114119 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 :

70819146889. $\frac{\pi}{6}$

70819146890. $\frac{\pi}{4}$

70819146891. $\frac{\pi}{3}$

70819146892. $\frac{5\pi}{12}$

Question Number : 18 Question Id : 70819114119 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ମନେକର $\vec{a}$, $\vec{b}$ ଏବଂ $\vec{c}$ ତିନିଗୋଟି ସଦିଶ ରାଶି ଯେପରିକି $|\vec{a}| = |\vec{b}| = \frac{|\vec{c}|}{2} = 1$, ଯଦି $\vec{a} \times (\vec{a} \times \vec{c}) + \vec{b} = \vec{0}$,

ତେବେ $\vec{a}$ ଓ $\vec{c}$ ମଧ୍ୟରେ ଥିବା ସୂକ୍ଷ୍ମକୋଣର ପରିମାଣ ଅଟେ :

Options :

70819146889. $\frac{\pi}{6}$

70819146890. $\frac{\pi}{4}$

70819146891. $\frac{\pi}{3}$

70819146892. $\frac{5\pi}{12}$

**Question Number : 19 Question Id : 70819114120 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 :

70819146893. $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819146894. $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819146895. $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819146896. $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

**Question Number : 19 Question Id : 70819114120 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

$(1+y^2)dx = (\tan^{-1}y - x)dy$, ଅବକଳ ସମୀକରଣର ସମାଧାନ ଅଟେ :
(c ଏକ ଛିରାଙ୍କ)

Options :

70819146893. $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819146894. $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819146895. $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819146896. $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

Question Number : 20 Question Id : 70819114121 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 :

70819146897. $[-5, -4] \cup [4, 5]$

70819146898. $[-5, 4) \cup (-4, 5]$

70819146899. $(-5, -4) \cup (4, 5)$

70819146900. $(-5, 4) \cup (-4, 5)$

Question Number : 20 Question Id : 70819114121 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

x ର କେଉଁ ମୂଲ୍ୟ ପାଇଁ ସଦିଶ $\vec{a} = (x^2 - 16)\hat{i} + 4\hat{j} - (x^2 - 25)\hat{k}$, କାର୍ଟେଜିଆନ୍ ଅକ୍ଷ ଦ୍ଵୟର ସ୍ଵତନ୍ତ୍ର ଦିଗ ସହ ସମ୍ମିଶ୍ରଣ ଉତ୍ପନ୍ନ କରେ :

Options :

70819146897. $[-5, -4] \cup [4, 5]$

70819146898. $[-5, 4] \cup (-4, 5]$

70819146899. $(-5, -4) \cup (4, 5)$

70819146900. $(-5, 4) \cup (-4, 5)$

Mathematics Section B

Section Id : 708191501

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 : 708191781

Question Shuffling Allowed : Yes

Question Number : 21 Question Id : 70819114122 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 :** 70819114122 **Question Type :** SA

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

$$\int_0^{\pi} \sqrt{\frac{1 + \cos 2x}{2}} dx \text{ is :}$$

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 :** 70819114123 **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 : 70819114123 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

$9\tan^2\theta + 4\cot^2\theta$ ର ସର୍ବନିମ୍ନ ମୂଲ୍ୟ ଅଟେ _____।

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 : 70819114124 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 : 70819114124 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

ବିନ୍ଦୁ $(1, 2, 3)$ ଠାରୁ ରେଖା $\frac{-x+6}{-3} = \frac{y-7}{2} = \frac{z-7}{-2}$ ପ୍ରତି ଅଙ୍କିତ ଲମ୍ବର ଦୈର୍ଘ୍ୟ ଅଟେ _____।

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 :** 70819114125 **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 :** 70819114125 **Question Type :** SA

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

ଯଦି $\log_3 2, \log_3 (2^x - 5)$ ଏବଂ $\log_3 \left(2^x - \frac{7}{2}\right)$ ସମାନ୍ତର (ପ୍ରଗତି) ଶ୍ରେଣୀରେ ରୁହନ୍ତି, ତେବେ x ର ମୂଲ୍ୟ ଅଟେ _____।

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 : 70819114126 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 : 70819114126 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 : 26 Question Id : 70819114127 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 : 70819114127 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

$x^2 + y^2 - 4x - 2y - 11 = 0$ ଏକ ବୃତ୍ତ ଅଟେ, ଯାହାପ୍ରତି ବିନ୍ଦୁ (4, 5) ଠାରୁ ସ୍ପର୍ଶକଗୁଡ଼ିକ ଟାଣାଯାଇଛି, ଯେଉଁଠି ଏହି ସ୍ପର୍ଶକମାନେ ବୃତ୍ତର ବ୍ୟାସାର୍ଦ୍ଧ ଯୋଡ଼ି ବୃନ୍ଦ ସହ ଏକ ଚତୁର୍ଭୁଜ ତିଆରି କରନ୍ତି । ଏହି ଚତୁର୍ଭୁଜର କ୍ଷେତ୍ରଫଳ ବର୍ଗ ଏକକରେ ଅଟେ _____।

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 : 70819114128 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 : 70819114128 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

ଯଦି ଏକ ଦ୍ଵିପଦୀ ଆବଣ୍ଟନରେ ମଧ୍ୟମାନ ଓ ପ୍ରସରଣ (ଭାରିଆନସ୍) ର ସମଷ୍ଟି 15 ହୁଏ ଏବଂ ସେମାନଙ୍କର ବର୍ଗର ସମଷ୍ଟି 117 ହୁଏ, ତେବେ ସ୍ଵାଧୀନ ପରୀକ୍ଷା ସଂଖ୍ୟା ସମାନ _____ ଅଟେ ।

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 : 70819114129 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 : 70819114129 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

ମନେକର ବିନ୍ଦୁ $(1, 2, 6), (2, 5, 7)$ ମଧ୍ୟ ଦେଇ ଗତି କରୁଥିବା ଓ ସମତଳ $4x - y + z = 15$ ପ୍ରତି ଲମ୍ବ ଥିବା ସମତଳଟିର ସମୀକରଣ $ax + by + cz + d = 0$ ଅଟେ । ଯଦି a, b, c, d ପୂର୍ଣ୍ଣସଂଖ୍ୟା ହୁଅନ୍ତି, ଯେପରିକି ସେମାନଙ୍କର ଗରିଷ୍ଠ ସାଧାରଣ ଭାଜକ $(|a|, |b|, |c|) = 1$, ତେବେ $|a + b + c + d|$ ସମାନ ହେଉଛି _____।

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 : 70819114130 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 $4\sin^2 x - 8\sin x + 3 = 0$ 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 : 70819114130 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

$\left[-\frac{3\pi}{2}, \frac{7\pi}{2}\right]$ ଅନ୍ତରାଳରେ $4\sin^2 x - 8\sin x + 3 = 0$ ସମୀକରଣଟିର ବାସ୍ତବ ସମାଧାନ ସଂଖ୍ୟା ଅଟେ _____।

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 : 70819114131 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 : 70819114131 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

ମନେକର $A_1, A_2, A_3, \dots$ ଏକ ବର୍ଦ୍ଧିଷ୍ଣୁ ଗୁଣୋତ୍ତର (ପ୍ରଗତି) ଶ୍ରେଣୀ । ଯଦି $\frac{1}{A_4} + \frac{1}{A_8} = \frac{10}{63}$ ଏବଂ $A_5 A_7 = 441$, ତେବେ $3(A_2 + A_4)$ ର ମାନ ଅଟେ _____ ।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Aptitude Test

Section Id :	708191502
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	708191782
Question Shuffling Allowed :	Yes

Question Number : 31 Question Id : 70819114132 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 :

70819146911. United Nations Educational, Scientific & Cultural Organization.

70819146912. United Nations Educational Security Cultural Organization.

70819146913. United Nations Entrance Site Calling Organization.

70819146914. United Nations Educational, Sustainable & Cultural Organization.

Question Number : 31 Question Id : 70819114132 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି ଯୁନେସ୍କୋର ପୂର୍ଣ୍ଣରୂପ (ଫୁଲ୍‌ଫର୍ମ) ଅଟେ ?

Options :

70819146911. ଯୁନାଇଟେଡ୍ ନେସନ୍ସ ଏଜୁକେସନାଲ୍, ସାଇଣ୍ଟିଫିକ୍ ଏଣ୍ଡ କଲ୍ଚରାଲ୍ ଅରଗାନାଇଜେସନ୍

70819146912. ଯୁନାଇଟେଡ୍ ନେସନ୍ସ ଏଜୁକେସନାଲ୍ ସିକ୍ସ୍‌ରିଟୀ କଲ୍ଚରାଲ୍ ଅରଗାନାଇଜେସନ୍

70819146913. ଯୁନାଇଟେଡ୍ ନେସନ୍ସ ଏନ୍‌ଟ୍ରାନ୍ସ ସାଇନ୍ କଲିଜ୍ ଅରଗାନାଇଜେସନ୍

70819146914. ଯୁନାଇଟେଡ୍ ନେସନ୍ସ ଏଜୁକେସନାଲ୍, ସସ୍‌ଟେନେବଲ୍ ଏଣ୍ଡ କଲ୍ଚରାଲ୍ ଅରଗାନାଇଜେସନ୍

Question Number : 32 Question Id : 70819114133 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List - I with List - II.

List - I

List - II

(I) Hall of Nation

(a)



(II) Falling Water, Pennsylvania

(b)



(III) Petronas Tower

(c)



(IV) Secretariat

(d)



Options :

70819146915. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819146916. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819146917. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819146918. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

Question Number : 32 Question Id : 70819114133 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା - I କୁ ତାଲିକା - II ସହିତ ମିଳାଅ ।

ତାଲିକା - I

(I) ହଲ୍ ଅଫ୍ ନେସନ୍

(II) ଫଲିଙ୍ଗ୍ ଡ୍ଵାଚର, ଯେନସିଲ୍‌ଭାନିଆ

(III) ଯେଡ୍ରେନାସ୍ ଟାଓ୍ଵାର

(IV) ସଚିବାଳୟ

ତାଲିକା - II



Options :

70819146915. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819146916. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819146917. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819146918. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

**Question Number : 33 Question Id : 70819114134 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Match List - I with List - II.

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

Options :

70819146919. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819146920. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819146921. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819146922. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

**Question Number : 33 Question Id : 70819114134 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1**

ତାଲିକା - I କୁ ତାଲିକା - II ସହିତ ମିଳାଅ ।

ତାଲିକା - I

- (I) କାମରୁ
- (II) ଦିଲ୍ଲୀ
- (III) ଫତେପୁର ସିକରୀ
- (IV) କୋଲକାତା

ତାଲିକା - II

- (a) ଭିକ୍ଟୋରିଆ ମେମୋରିଆଲ୍ ହଲ୍
- (b) ବଦ୍ରୀନାଥ ମନ୍ଦିର
- (c) ଖିରକୀ ମସଜିଦ୍
- (d) ବୁଲ୍‌ବ୍ ଦରବାଜା

Options :

70819146919. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819146920. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819146921. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819146922. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

Question Number : 34 Question Id : 70819114135 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List - I with List - II.

List - I

List - II

(I) Agra fort

(a)



(II) Atala Masjid

(b)



(III) Nalanda University

(c)



(IV) Jagannatha Temple

(d)



Options :

70819146923. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819146924. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819146925. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819146926. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

Question Number : 34 Question Id : 70819114135 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା - I କୁ ତାଲିକା - II ସହିତ ମିଳାଅ ।

ତାଲିକା - I

(I) ଆଗ୍ରା ଦୁର୍ଗ

(a)



(II) ଅଚଳା ମସଜିଦ୍

(b)



(III) ନାଳନ୍ଦା ବିଶ୍ୱବିଦ୍ୟାଳୟ

(c)



(IV) ଜଗନ୍ନାଥ ମନ୍ଦିର

(d)



Options :

70819146923. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819146924. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819146925. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819146926. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

Question Number : 35 Question Id : 70819114136 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 :

70819146927. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819146928. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819146929. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819146930. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

Question Number : 35 Question Id : 70819114136 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା - I କୁ ତାଲିକା - II ସହିତ ମିଳାଅ ।

ତାଲିକା - I	ତାଲିକା - II
(I) ଉଦ୍‌ବିନ୍ଦ୍ର ବଗିଚା	(a) ମନାଲି
(II) ବିଷ୍ଣୁ ମନ୍ଦିର	(b) ଅମୃତସର
(III) ତ୍ରିଭୁଜା ମନ୍ଦିର	(c) ପିନ୍‌ଜୋର
(IV) ହରି ମନ୍ଦିର	(d) ବୁନିଆର

Options :

70819146927. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819146928. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819146929. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819146930. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

Question Number : 36 Question Id : 70819114137 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 :

70819146931. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819146932. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819146933. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819146934. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

Question Number : 36 Question Id : 70819114137 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା - I କୁ ତାଲିକା - II ସହିତ ମିଳାଅ ।

ତାଲିକା - I

ତାଲିକା - II

(I) ମେହରନୁଗଡ଼ ଦୁର୍ଗ

(a) ହାଜଦ୍ରାବାଦ

(II) ସିରି ଦୁର୍ଗ

(b) କୋଲକାତା

(III) ଗୋଲକୋଷ୍ଠା ଦୁର୍ଗ

(c) ଦିଲ୍ଲୀ

(IV) ଉଲ୍ଲିୟମ୍ ଦୁର୍ଗ

(d) ଯୋଧପୁର

ନିମ୍ନଲିଖିତ ବିକଳ୍ପ ମଧ୍ୟରୁ ଠିକ୍ ଉତ୍ତର ବାଛି ଲେଖ :

Options :

70819146931. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819146932. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819146933. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819146934. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

Question Number : 37 Question Id : 70819114138 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 :

70819146935. B.V. Doshi

70819146936. Arundhati Roy

70819146937. Revati Kamat

70819146938. Bimal Patel

Question Number : 37 Question Id : 70819114138 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

‘ଗଡ଼ ଅଫ୍ ସ୍କୁଲ ଥିଙ୍ଗସ୍’ ବହିଟି କେଉଁ ଭାରତୀୟ ବାସ୍ତୁକାର ଦ୍ଵାରା ଲେଖାଯାଇଛି ?

Options :

70819146935. ବି.ଭି ଦୋଷୀ

70819146936. ଅରୁନ୍ଧତୀ ରାଏ

70819146937. ରେଭତୀ କାମତ୍

70819146938. ବିମଲ୍ ପଟେଲ

Question Number : 38 Question Id : 70819114139 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 :

70819146939. Gujarat

70819146940. West Bengal

70819146941. Tamil Nadu

70819146942. Rajasthan

Question Number : 38 Question Id : 70819114139 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

“ଝରୋଖା” ଏକ ପ୍ରକାର ଝରକା ଅଟେ ଯାହା ସାଧାରଣତଃ ଦେଖାଯାଏ :

Options :

70819146939. ଗୁଜରାଟ

70819146940. ପଶ୍ଚିମବଙ୍ଗ

70819146941. ତାମିଲ୍ନାଡୁ

70819146942. ରାଜସ୍ଥାନ

Question Number : 39 Question Id : 70819114140 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 :

70819146943. North-West side

70819146944. South-East side

70819146945. North side

70819146946. South-West side

Question Number : 39 Question Id : 70819114140 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଭାରତୀୟ ଉପମହାଦେଶରେ କେଉଁ ଦିଗରୁ ମୌସୁମୀ ବାୟୁ ପ୍ରବେଶ କରେ ?

Options :

70819146943. ଉତ୍ତର-ପଶ୍ଚିମ ପାର୍ଶ୍ବ

70819146944. ଦକ୍ଷିଣ-ପୂର୍ବ ପାର୍ଶ୍ବ

70819146945. ଉତ୍ତର ପାର୍ଶ୍ବ

70819146946. ଦକ୍ଷିଣ - ପଶ୍ଚିମ ପାର୍ଶ୍ବ

Question Number : 40 Question Id : 70819114141 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 :

70819146947. Bharat Bhavan in Bhopal

70819146948. LIC Building in Delhi

70819146949. Charminar in Hyderabad

70819146950. Victoria Memorial in Kolkata

Question Number : 40 Question Id : 70819114141 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁ କୋଠାଟି ଭାରତରେ କଲୋନିଆଲ୍ ସ୍ଥପତି ବିଜ୍ଞାନ ତାତ୍ତ୍ୱକୁ ଦର୍ଶାଏ ?

Options :

70819146947. ଭାରତ ଭବନ, ଭୋପାଳ

70819146948. ଏଲ୍.ଆଇ.ସି କୋଠା, ଦିଲ୍ଲୀ

70819146949. ଚାର୍ମିନାର, ହାଇଦ୍ରାବାଦ

70819146950. ଭିକ୍ଟୋରିଆ ମେମୋରିଆଲ୍, କୋଲକାତା

Question Number : 41 Question Id : 70819114142 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 :

70819146951. 420×590 (mm $\times$ mm)

70819146952. 420×594 (mm $\times$ mm)

70819146953. 297×420 (mm $\times$ mm)

70819146954. 420×592 (mm $\times$ mm)

Question Number : 41 Question Id : 70819114142 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A2 ପ୍ରଭଙ୍ଗ ସିଙ୍ଗର ଆକାର କେତେ ?

Options :

70819146951. 420×590 (mm $\times$ mm)

70819146952. 420×594 (mm $\times$ mm)

70819146953. 297×420 (mm $\times$ mm)

70819146954. 420×592 (mm $\times$ mm)

Question Number : 42 Question Id : 70819114143 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 :

70819146955. Chittor fort

70819146956. Jaigarh fort

70819146957. Bhangarh fort

70819146958. Amer fort

Question Number : 42 Question Id : 70819114143 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ବିଜୟ ପ୍ରସାଦ ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁ ଦୁର୍ଗ ସହିତ ଜଡ଼ିତ ?

Options :

70819146955. ଚିତ୍ତୋର ଦୁର୍ଗ

70819146956. ଜୟଗଡ଼ ଦୁର୍ଗ

70819146957. ଭାଙ୍ଗଡ଼ ଦୁର୍ଗ

70819146958. ଆମେର ଦୁର୍ଗ

Question Number : 43 Question Id : 70819114144 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 :

70819146959. Sanjay Puri

70819146960. Vikram Lall

70819146961. Ashok Lall

70819146962. C. Sompura

Question Number : 43 Question Id : 70819114144 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁ ବାସ୍ତୁକାର (ଆର୍କିଟେକ୍ଟ) ପ୍ରସିଦ୍ଧ ଅକ୍ଷରଧାମ୍ ମନ୍ଦିରର ନକ୍ସା ତିଆରି କରିଛନ୍ତି ?

Options :

70819146959. ସଂଜୟ ପୁରୀ

70819146960. ବିକ୍ରମ୍ ଲାଲ୍

70819146961. ଅଶୋକ ଲାଲ୍

70819146962. ସି. ସୋମପୁରା

Question Number : 44 Question Id : 70819114145 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

‘Volume Zero’ Documentary is on which Architect ?

Options :

70819146963. Charles Correa

70819146964. Richard Mier

70819146965. Jasbir Sachdev

70819146966. Ranjit Sabliki

Question Number : 44 Question Id : 70819114145 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

‘ଭଲ୍ୟୁମ୍ ଜିରୋ’ ପ୍ରାମାଣିକ ଚଳଚ୍ଚିତ୍ରଟି କେଉଁ ସ୍ଥାପତ୍ୟ ଉପରେ ?

Options :

70819146963. ଚାର୍ଲ୍ସ କୋରିଆ

70819146964. ରିଚାର୍ଡ୍ ମିଅର୍

70819146965. ଜୟବିର ସଚଦେବ

70819146966. ରଞ୍ଜିତ ସବଲିକି

Question Number : 45 Question Id : 70819114146 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

‘Agenda 21’ is declaration related with :

Options :

70819146967. Climate change

70819146968. Global warming

70819146969. Sustainable development

70819146970. Smart city

Question Number : 45 Question Id : 70819114146 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

‘ଏଜେଣ୍ଡା - 21’ ଏକ ଘୋଷଣାମାମା ଯାହାର ସମ୍ପର୍କ ଅଛି :

Options :

70819146967. ଜଳବାୟୁ ପରିବର୍ତ୍ତନ

70819146968. ଭୂମଣ୍ଡଳୀୟ ଉତ୍ତାପ ବୃଦ୍ଧି (ଉତ୍ତାପନ)

70819146969. ସ୍ଥାୟୀ ବିକାଶ

70819146970. ସ୍ୱର୍ଣ୍ଣ ଘାଟ

Question Number : 46 Question Id : 70819114147 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 :

70819146971. Karnataka

70819146972. Orissa

70819146973. Maharashtra

70819146974. Uttar Pradesh

Question Number : 46 Question Id : 70819114147 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ସୁନାଖଣିଗୁଡ଼ିକ ଭାରତର କେଉଁ ରାଜ୍ୟରେ ଅବସ୍ଥିତ ?

Options :

70819146971. କର୍ଣ୍ଣାଟକ

70819146972. ଓଡ଼ିଶା

70819146973. ମହାରାଷ୍ଟ୍ର

70819146974. ଉତ୍ତର ପ୍ରଦେଶ

Question Number : 47 Question Id : 70819114148 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 :

70819146975. North

70819146976. South

70819146977. East

70819146978. West

Question Number : 47 Question Id : 70819114148 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଦକ୍ଷିଣ ଗୋଲାର୍ଦ୍ଧରେ ଛାୟାବିହୀନ ଆଲୋକ କେଉଁ ଦିଗରୁ ଆସେ ?

Options :

70819146975. ଉତ୍ତର

70819146976. ଦକ୍ଷିଣ

70819146977. ପୂର୍ବ

70819146978. ପଶ୍ଚିମ

Question Number : 48 Question Id : 70819114149 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 :

70819146979. B.V. Doshi

70819146980. Laurie Baker

70819146981. Raj Rewal

70819146982. Achyut Kanvinde

Question Number : 48 Question Id : 70819114149 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

କେଉଁ ପ୍ରଥମ ଭାରତୀୟ ବାସ୍ତୁକାର ପ୍ରିଟ୍ଜକର ପୁରସ୍କାର 2018 ରେ ପାଇଥିଲେ ?

Options :

70819146979. ବି.ଭି ଦୋଷୀ

70819146980. ଲୋରି ବେକର

70819146981. ରାଜ ରେବାଲ୍

70819146982. ଅଚ୍ୟୁତ କାନ୍‌ଭିନ୍ଦେ

Question Number : 49 Question Id : 70819114150 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Word “Bungalow” has originated from :

Options :

70819146983. Bengalurm

70819146984. Banaras

70819146985. Bengal

70819146986. Bari

Question Number : 49 Question Id : 70819114150 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

‘ବଙ୍ଗଲୋ’ ଶବ୍ଦଟି କେଉଁଠାରୁ ସୃଷ୍ଟି ହୋଇଛି ?

Options :

70819146983. ବେଙ୍ଗଲର୍ମ୍

70819146984. ବନାରସ୍

70819146985. ବେଙ୍ଗଲ୍

70819146986. ବାରି

Question Number : 50 Question Id : 70819114151 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 :

70819146987. Laurie Baker

70819146988. Louis Kahn

70819146989. Lutyen

70819146990. Le Corbusier

Question Number : 50 Question Id : 70819114151 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଆଇ.ଆଇ.ଏମ୍-ଅହମଦାବାଦର ନକ୍ସା, ନିମ୍ନଲିଖିତ କେଉଁ ବାସ୍ତୁକାର ଦ୍ୱାରା ତିଆରି କରାଯାଇଛି ?

Options :

70819146987. ଲରି ବେକର

70819146988. ଲୁଇଶ୍ କାନ୍

70819146989. ଲୁଟିଏନ୍

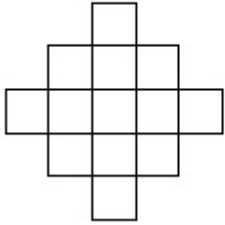
70819146990. ଲି. କରବୁଜିଅର

Question Number : 51 Question Id : 70819114152 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 :

70819146991. 14

70819146992. 13

70819146993. 15

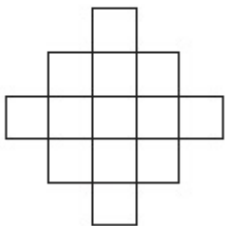
70819146994. 18

Question Number : 51 Question Id : 70819114152 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନ ଚିତ୍ରରେ କେତୋଟି ବର୍ଗକ୍ଷେତ୍ର ଅଛି ?



Options :

70819146991. 14

70819146992. 13

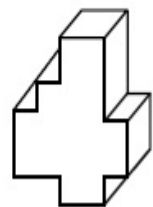
70819146993. 15

70819146994. 18

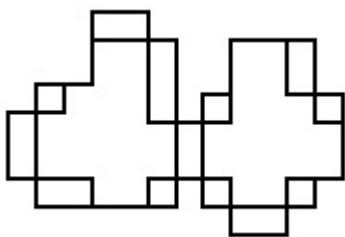
Question Number : 52 Question Id : 70819114153 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

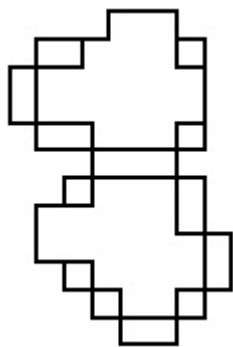
A drawing is provided with all the folds to construct the following three Dimensional object.
Select the correct one.



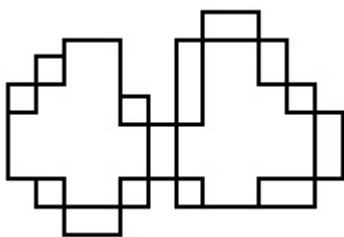
Options :



70819146995.

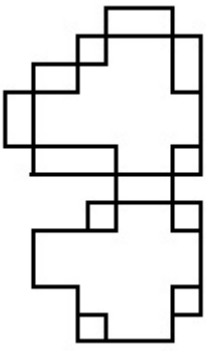


70819146996.



70819146997.

70819146998.



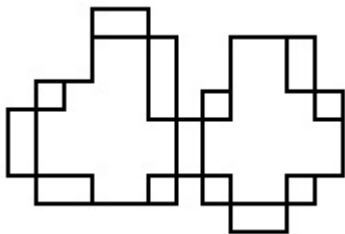
Question Number : 52 Question Id : 70819114153 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

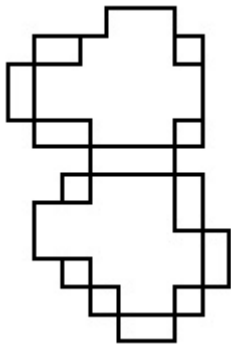
ନିମ୍ନଲିଖିତ 3-ବିମୀୟ ବସ୍ତୁର ଚିତ୍ରଟି ସମସ୍ତ ଭାଙ୍ଗ ସହିତ ଚିଆରି କରି ଯୋଗେଇ ଦିଆଯାଇ ଅଛି । ସଠିକ୍‌ଟିକୁ ବାଛି ।



Options :

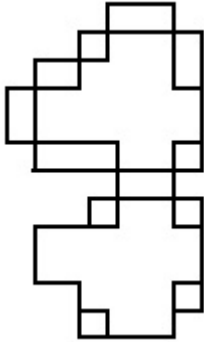
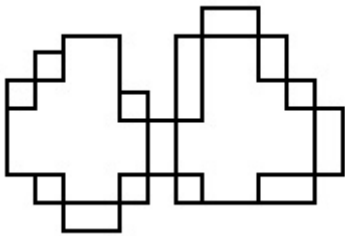


70819146995.



70819146996.

70819146997.



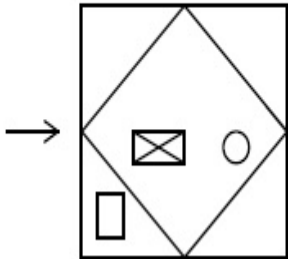
70819146998.

Question Number : 53 Question Id : 70819114154 Question Type : MCQ Option Shuffling : Yes

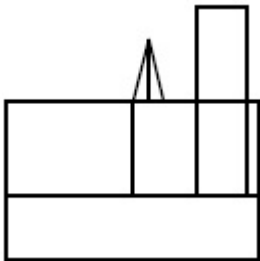
Is Question Mandatory : No

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.

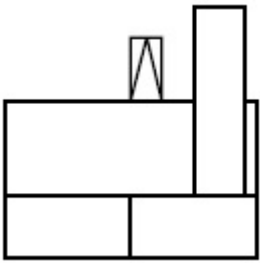


Options :

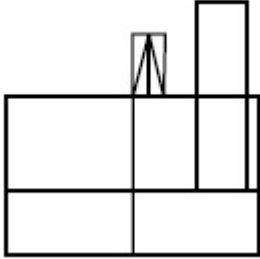


70819146999.

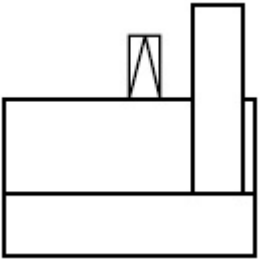
70819147000.



70819147001.



70819147002.

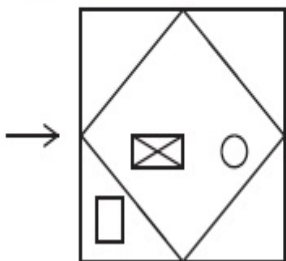


Question Number : 53 Question Id : 70819114154 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

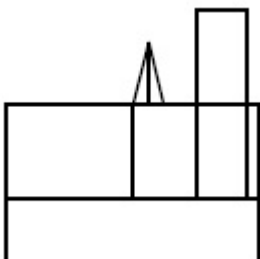
Correct Marks : 4 Wrong Marks : 1

ପ୍ରଶ୍ନରେ ଏକ ବସ୍ତୁର ଉପରି ଭାଗର ଦୃଶ୍ୟକୁ ଦର୍ଶାଯାଇଛି । ତାର ଦିଆଯାଇଥିବା ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଦୃଶ୍ୟଟିକୁ ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରୁ ଚିହ୍ନଟ (ବାଛି) ।

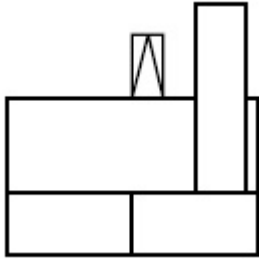


Options :

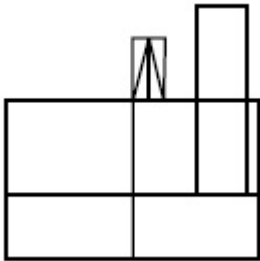
70819146999.



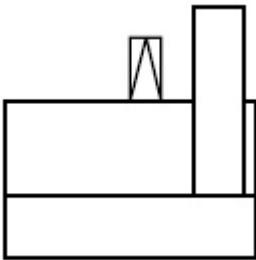
70819147000.



70819147001.



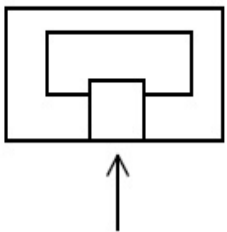
70819147002.



Question Number : 54 Question Id : 70819114155 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

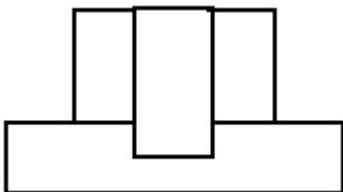
Correct Marks : 4 Wrong Marks : 1

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

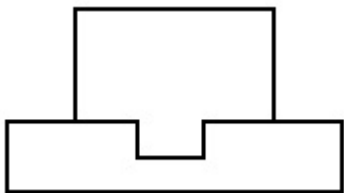


Options :

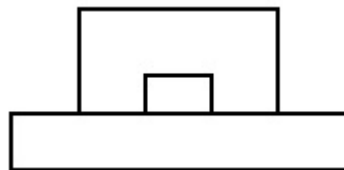
70819147003.



70819147004.



70819147005.



70819147006.

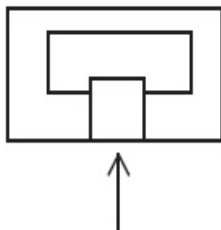


Question Number : 54 Question Id : 70819114155 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

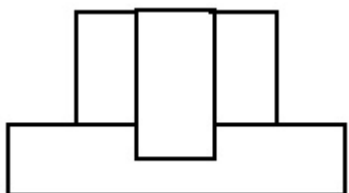
Correct Marks : 4 Wrong Marks : 1

ପ୍ରଶ୍ନଚିତ୍ର ବସ୍ତୁର ଉପରି ଭାଗର ଦୃଶ୍ୟଟିକୁ ଦର୍ଶାଉଛି । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ତୀର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଏଲିଭେସନ୍‌ଟି ଚିହ୍ନଟ (ବାଛି) ।

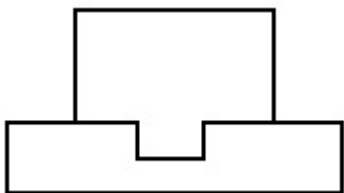


Options :

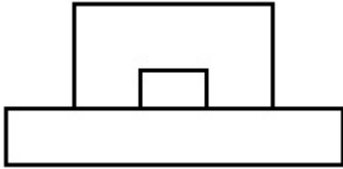
70819147003.



70819147004.



70819147005.



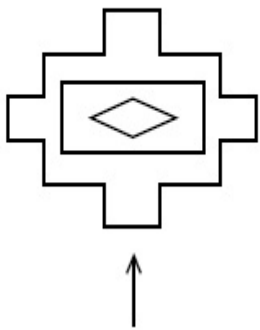
70819147006.



Question Number : 55 Question Id : 70819114156 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

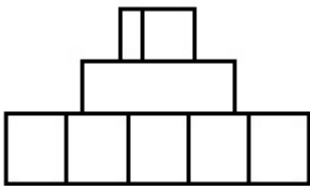
Correct Marks : 4 Wrong Marks : 1

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

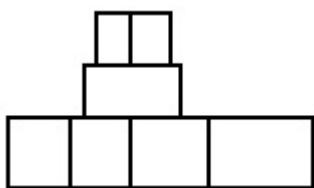


Options :

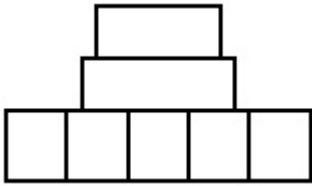
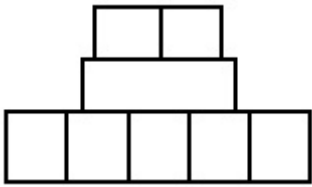
70819147007.



70819147008.



70819147009.



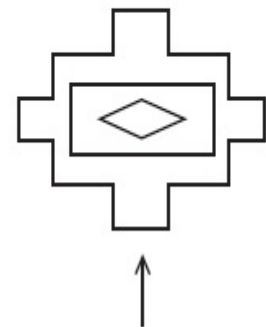
70819147010.

Question Number : 55 Question Id : 70819114156 Question Type : MCQ Option Shuffling : Yes

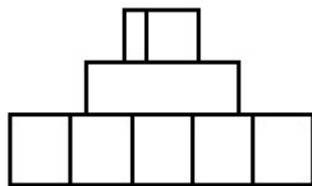
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

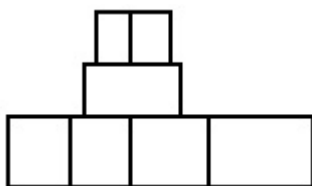
ପ୍ରଶ୍ନଟିର ବସ୍ତୁର ଉପରି ଭାଗର ଦୃଶ୍ୟଟିକୁ ଦର୍ଶାଉଛି । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ତାର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଏଲିଭେସନ୍ ଟି ବାଛି ।



Options :

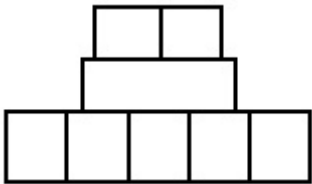


70819147007.

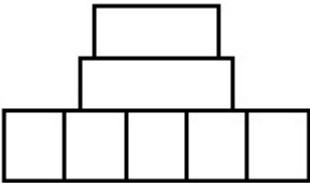


70819147008.

70819147009.



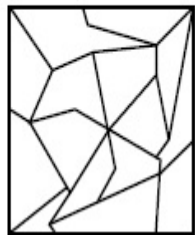
70819147010.



Question Number : 56 Question Id : 70819114157 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 :

70819147011.



70819147012.



70819147013.



70819147014.



Question Number : 56 Question Id : 70819114157 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନ ପ୍ରଶ୍ନଚିତ୍ର ମଧ୍ୟରେ ଗୋଟିଏ ସମାନ ଆକାର ଓ ଦିଗ ବିଶିଷ୍ଟ ଉତ୍ତର ଚିତ୍ର ଲୁଚି ରହିଛି । ସଠିକ୍‌ଟିକୁ ବାଛି ।



Options :

70819147011.

70819147012.

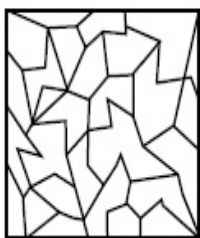
70819147013.

70819147014.

Question Number : 57 Question Id : 70819114158 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 :

70819147015.



70819147016.



70819147017.



70819147018.



Question Number : 57 Question Id : 70819114158 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନ ପ୍ରଶ୍ନଚିତ୍ର ମଧ୍ୟରେ ଗୋଟିଏ ସମାନ ଆକାର ଓ ଦିଗ ବିଶିଷ୍ଟ ଉତ୍ତର ଚିତ୍ର ଲୁଚି ରହିଛି । ସଠିକ୍‌ଟିକୁ ବାଛି ।



Options :

70819147015.



70819147016.



70819147017.



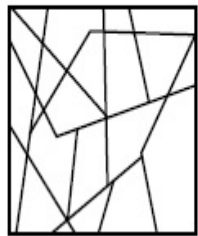
70819147018.



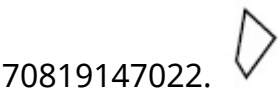
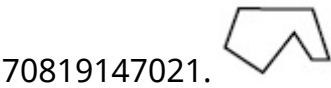
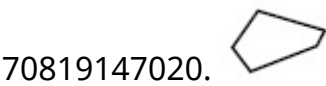
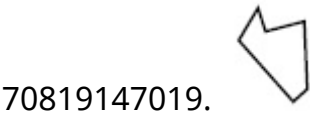
Question Number : 58 Question Id : 70819114159 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



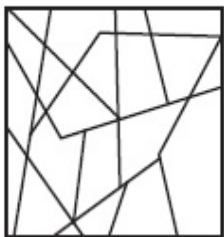
Options :



Question Number : 58 Question Id : 70819114159 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନ ପ୍ରଶ୍ନଚିତ୍ର ମଧ୍ୟରେ ଗୋଟିଏ ସମାନ ଆକାର ଓ ଦିଗ ବିଶିଷ୍ଟ ଉତ୍ତର ଚିତ୍ର ଲୁଚି ରହିଛି । ସଠିକ୍‌ଟିକୁ ବାଛ ।



Options :

70819147019.



70819147020.



70819147021.



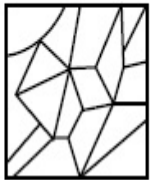
70819147022.



Question Number : 59 Question Id : 70819114160 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 :

70819147023.



70819147024.



70819147025.



70819147026.



Question Number : 59 Question Id : 70819114160 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନ ପ୍ରଶ୍ନଚିତ୍ର ମଧ୍ୟରେ ଗୋଟିଏ ସମାନ ଆକାର ଓ ଦିଗ ବିଶିଷ୍ଟ ଉତ୍ତର ଚିତ୍ର ଲୁଚି ରହିଛି । ସଠିକ୍‌ଟିକୁ ବାଛି ।



Options :

70819147023.

70819147024.

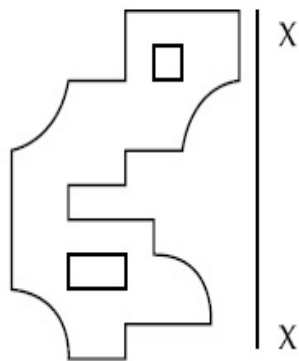
70819147025.

70819147026.

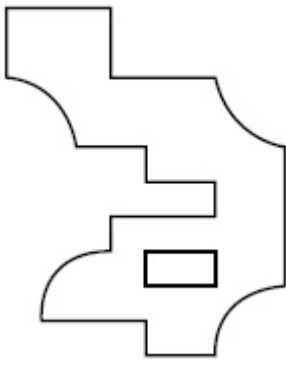
Question Number : 60 Question Id : 70819114161 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

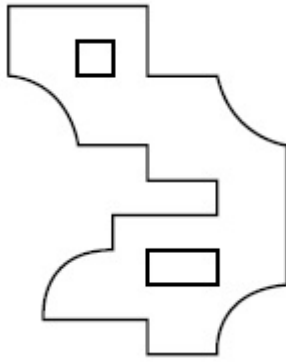
Which one of the answer figures is correct mirror image of problem figure with respect to X-X ?



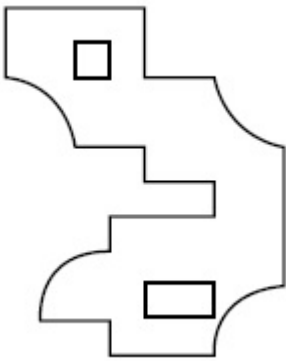
Options :



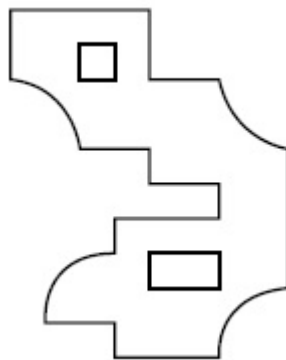
70819147027.



70819147028.



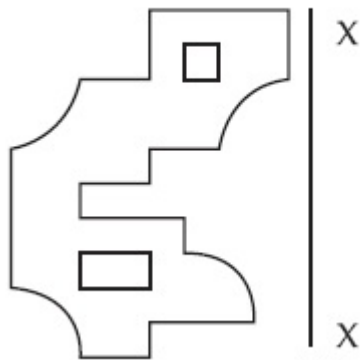
70819147029.



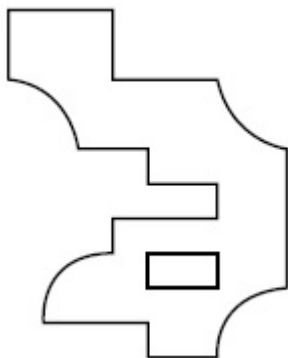
70819147030.

Question Number : 60 Question Id : 70819114161 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

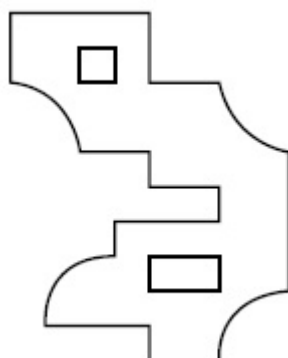
X-X ଅନୁଯାୟୀ କେଉଁ ଉତ୍ତର ଚିତ୍ରଟି ପ୍ରଶ୍ନଚିତ୍ରର ସଠିକ୍ ଦର୍ପଣ ପ୍ରତିବିମ୍ବ ଅଟେ ?



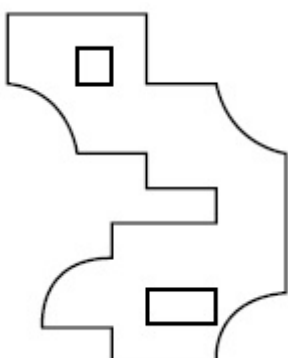
Options :



70819147027.

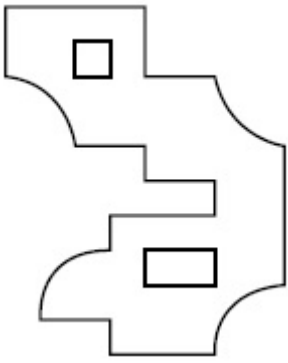


70819147028.



70819147029.

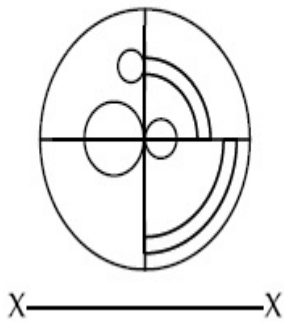
70819147030.



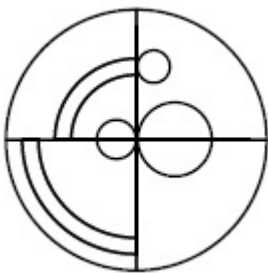
Question Number : 61 Question Id : 70819114162 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

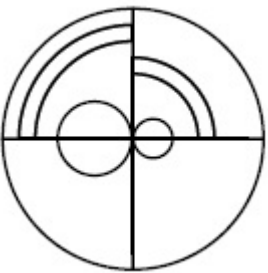
Which one of the answer figures is the correct mirror image of the problem figure with respect to X-X ?



Options :

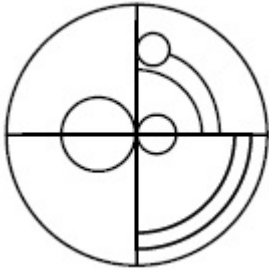
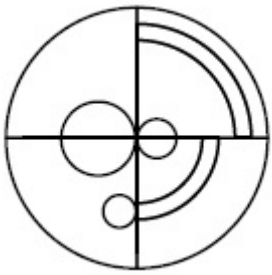


70819147031.



70819147032.

70819147033.

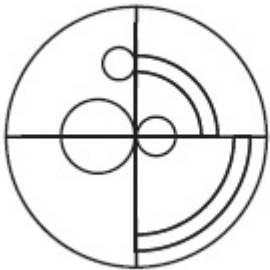


70819147034.

Question Number : 61 Question Id : 70819114162 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

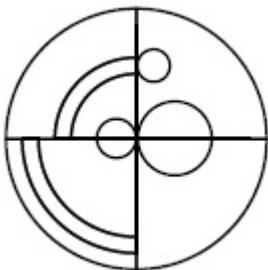
Correct Marks : 4 Wrong Marks : 1

X-X ଅନୁଯାୟୀ କେଉଁ ଉତ୍ତର ଚିତ୍ରଟି ପ୍ରଶ୍ନଚିତ୍ରର ସଠିକ୍ ଦର୍ପଣ ପ୍ରତିବିମ୍ବ ଅଟେ ?



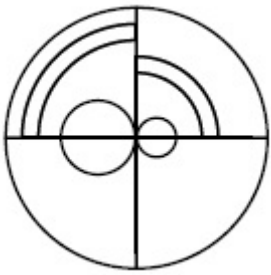
X ————— X

Options :

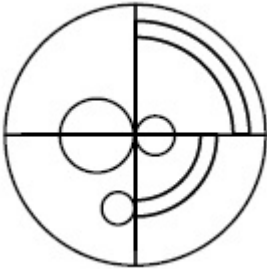


70819147031.

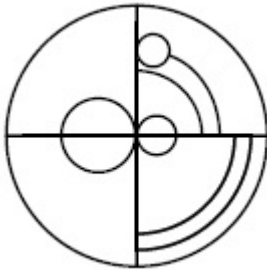
70819147032.



70819147033.



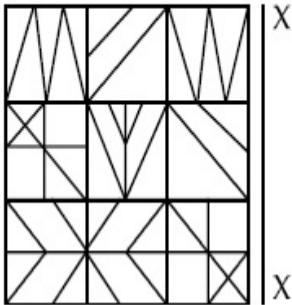
70819147034.



Question Number : 62 Question Id : 70819114163 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

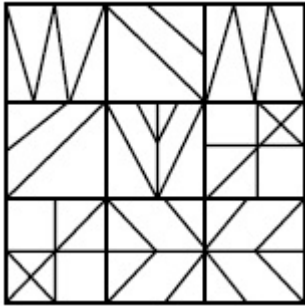
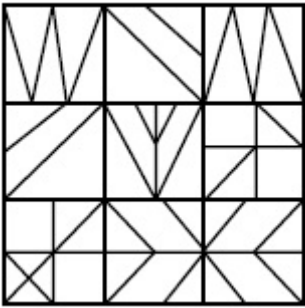
Correct Marks : 4 Wrong Marks : 1

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

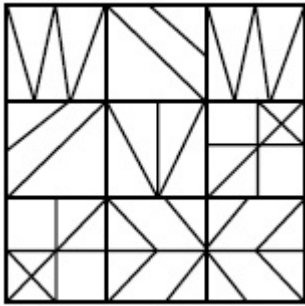


Options :

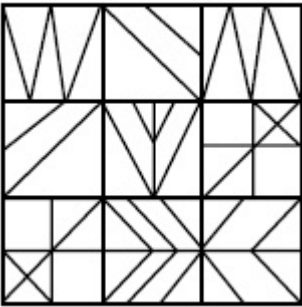
70819147035.



70819147036.



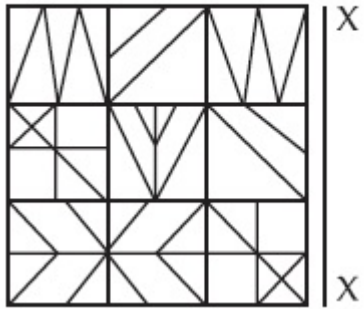
70819147037.



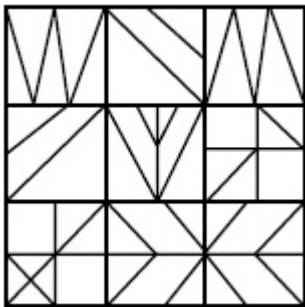
70819147038.

Question Number : 62 Question Id : 70819114163 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

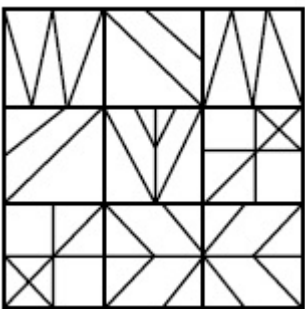
X-X ଅନୁଯାୟୀ କେଉଁ ଉତ୍ତର ଚିତ୍ରଟି ପ୍ରଶ୍ନଚିତ୍ରର ସଠିକ୍ ଦର୍ପଣ ପ୍ରତିବିମ୍ବ ଅଟେ ?



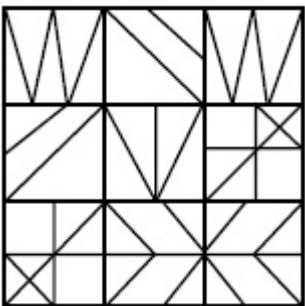
Options :



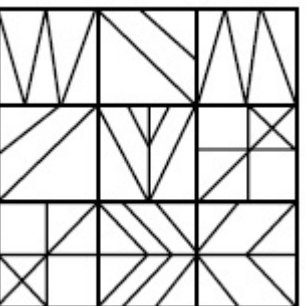
70819147035.



70819147036.



70819147037.

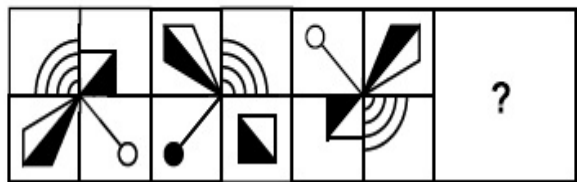


70819147038.

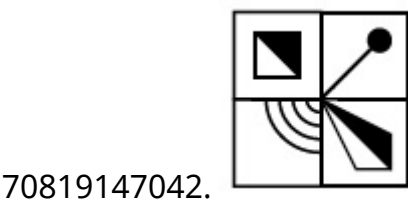
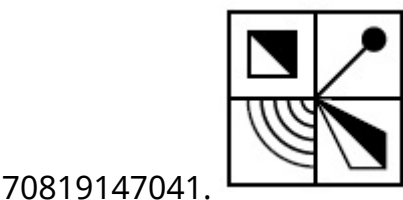
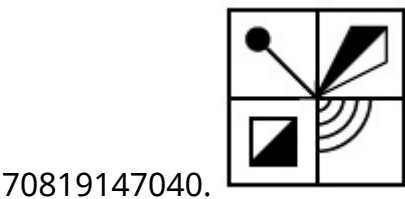
Question Number : 63 Question Id : 70819114164 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



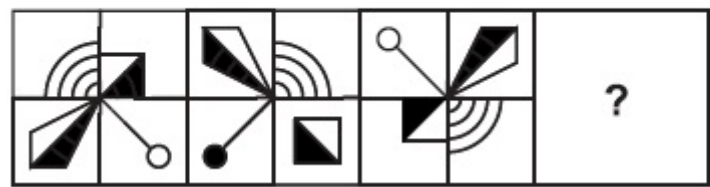
Options :



Question Number : 63 Question Id : 70819114164 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

କେଉଁ ଉତ୍ତର ଚିତ୍ରଟି ଅନୁକ୍ରମ ଅନୁଯାୟୀ ପ୍ରଶ୍ନଚିତ୍ର ଗୁଡ଼ିକୁ ସଂପୂର୍ଣ୍ଣ କରୁଅଛି ?



Options :

70819147039.



70819147040.



70819147041.



70819147042.

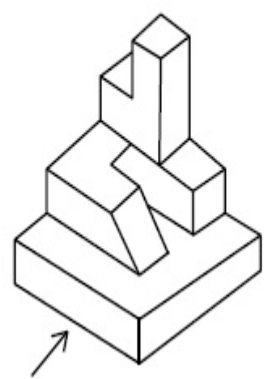


Question Number : 64 Question Id : 70819114165 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

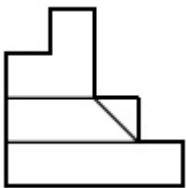
Correct Marks : 4 Wrong Marks : 1

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

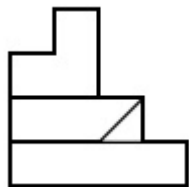


Options :

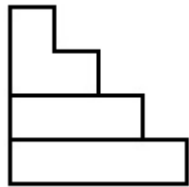
70819147043.



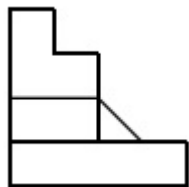
70819147044.



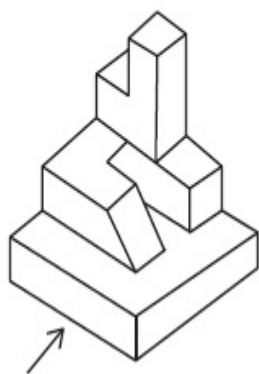
70819147045.



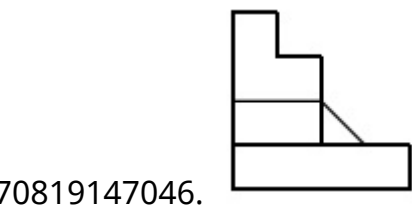
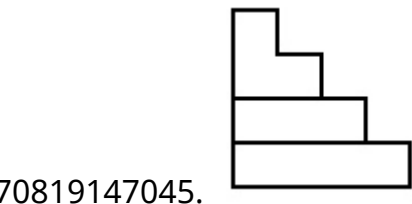
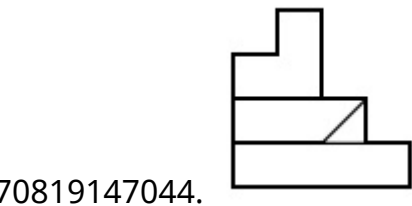
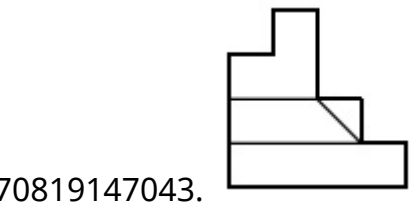
70819147046.



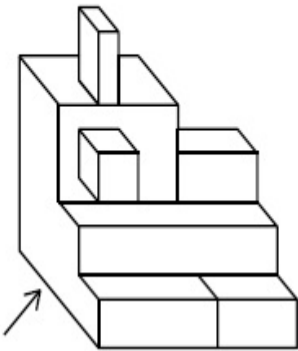
3-ବିମାନ୍ନ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟଟିକୁ ଦର୍ଶାଉଛି । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ତୀର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଦୃଶ୍ୟଟିକୁ ବାଛି ।



Options :

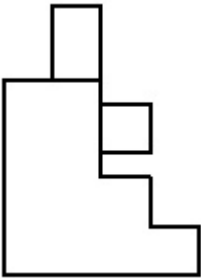


The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

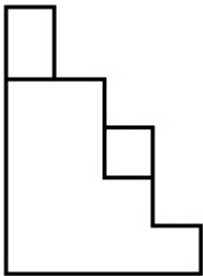


Options :

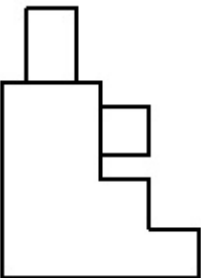
70819147047.



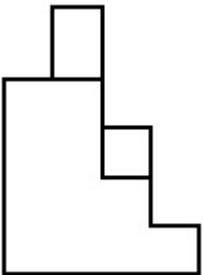
70819147048.



70819147049.

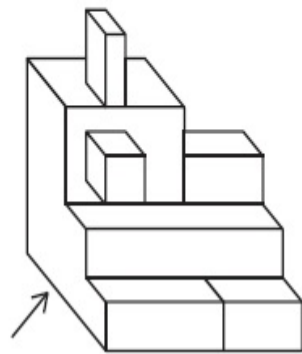


70819147050.



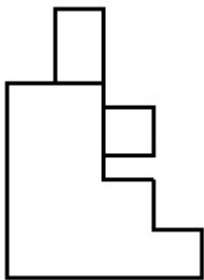
Question Number : 65 Question Id : 70819114166 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

3-ବିମାନ୍ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟଟିକୁ ଦର୍ଶାଉଛି । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ତାର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଦୃଶ୍ୟଟିକୁ ବାଛି ।

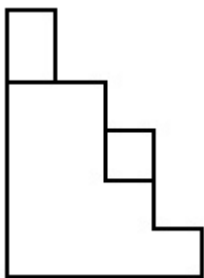


Options :

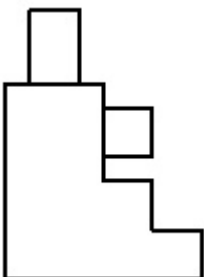
70819147047.



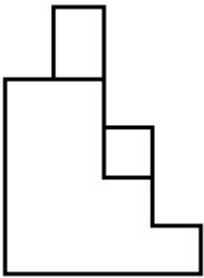
70819147048.



70819147049.



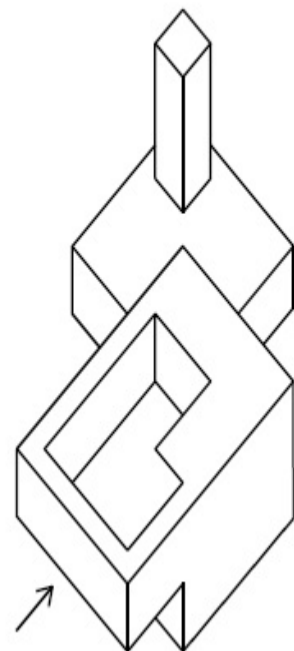
70819147050.



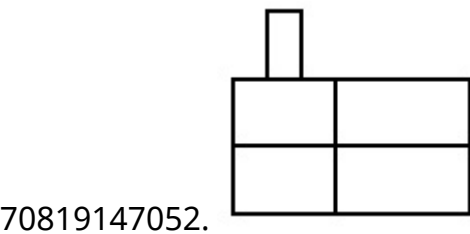
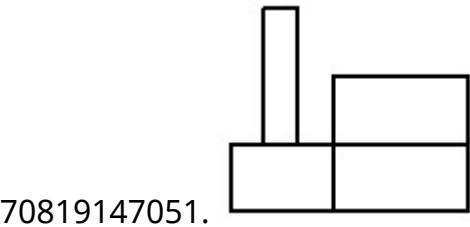
Question Number : 66 Question Id : 70819114167 Question Type : MCQ Option Shuffling : Yes
 Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

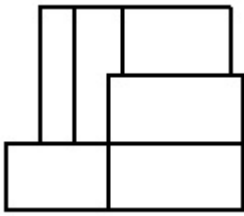
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



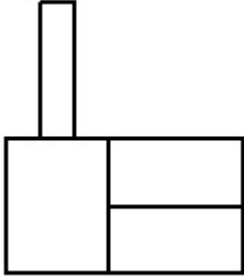
Options :



70819147053.



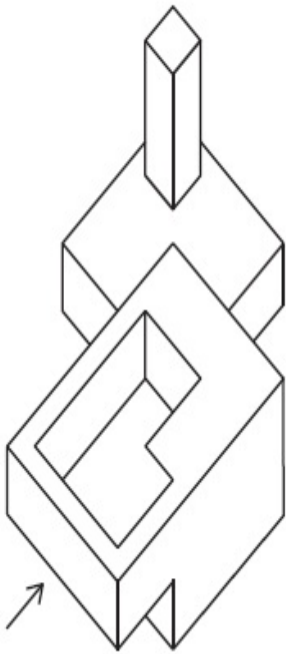
70819147054.



Question Number : 66 Question Id : 70819114167 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

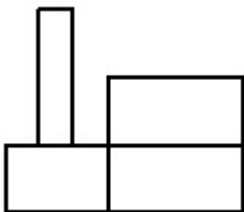
Correct Marks : 4 Wrong Marks : 1

3-ବିମାୟ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ଚାରୋଟିର ଅନୁଯାୟୀ ସଠିକ୍ ଦୃଶ୍ୟଟି ବାଛି ।

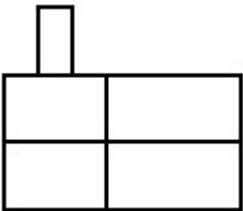


Options :

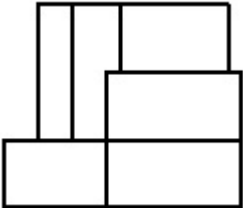
70819147051.



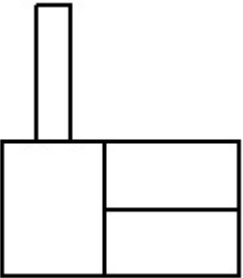
70819147052.



70819147053.



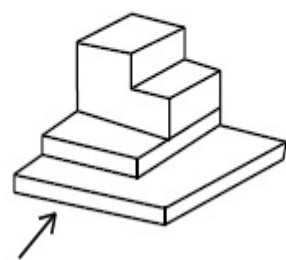
70819147054.



Question Number : 67 Question Id : 70819114168 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

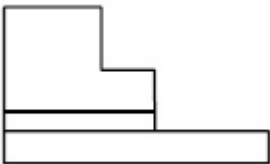
Correct Marks : 4 Wrong Marks : 1

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

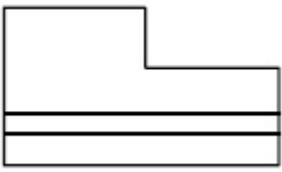


Options :

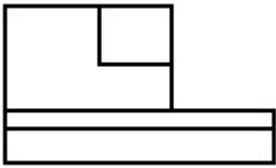
70819147055.



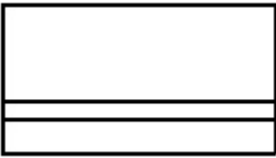
70819147056.



70819147057.



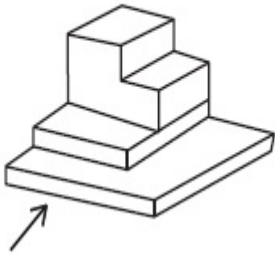
70819147058.



Question Number : 67 Question Id : 70819114168 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

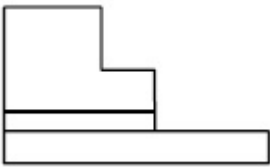
Correct Marks : 4 Wrong Marks : 1

3-ବିମାନ୍ ତିନୁଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ତିନୁ ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ତୀର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଦୃଶ୍ୟଟି ବାଛି ।

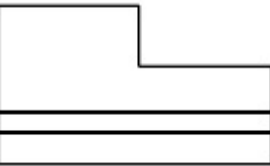


Options :

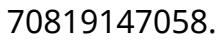
70819147055.



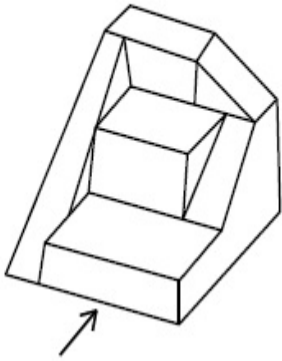
70819147056.



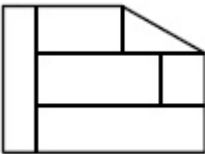
70819147057.



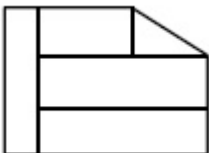
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



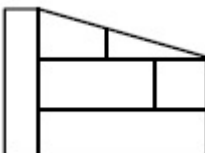
Options :



70819147059.

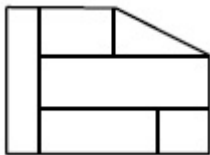


70819147060.



70819147061.

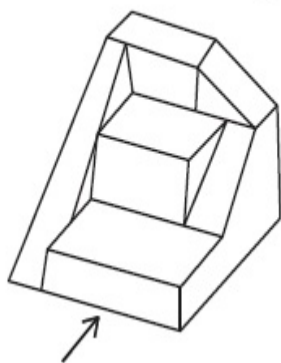
70819147062.



Question Number : 68 Question Id : 70819114169 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

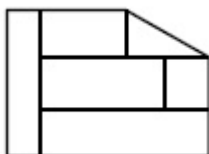
Correct Marks : 4 Wrong Marks : 1

3-ବିମାନ୍ନ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ତାର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଦୃଶ୍ୟଟି ବାଛି ।

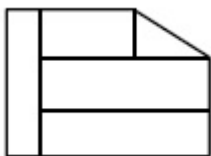


Options :

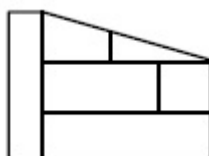
70819147059.



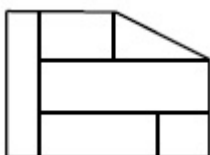
70819147060.



70819147061.



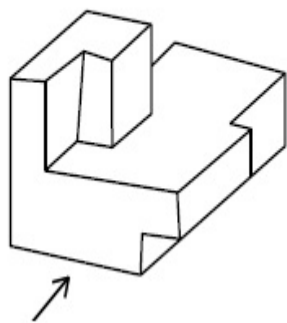
70819147062.



Question Number : 69 Question Id : 70819114170 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

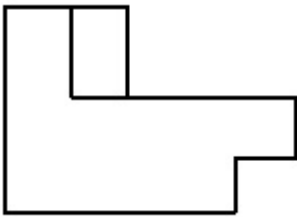
Correct Marks : 4 Wrong Marks : 1

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

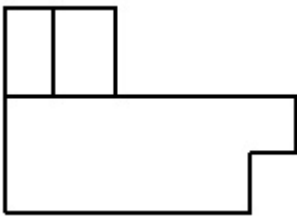


Options :

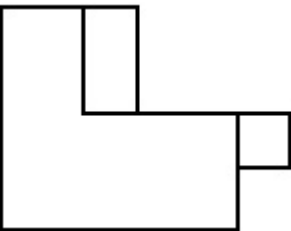
70819147063.



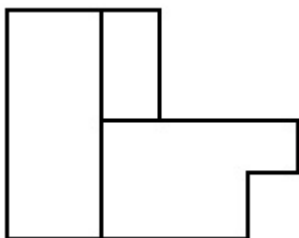
70819147064.



70819147065.



70819147066.

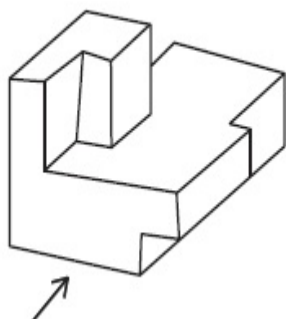


Question Number : 69 Question Id : 70819114170 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

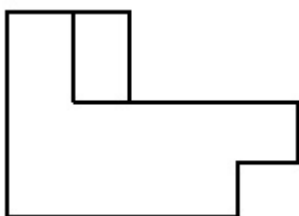
Correct Marks : 4 Wrong Marks : 1

3-ବିମାନ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ତୀର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଦୃଶ୍ୟଟି ବାଛି ।

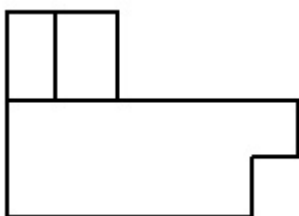


Options :

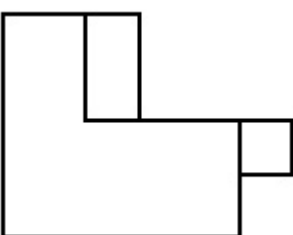
70819147063.



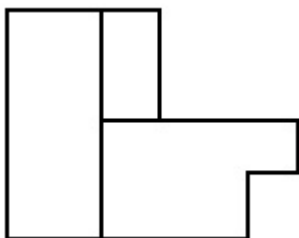
70819147064.



70819147065.



70819147066.

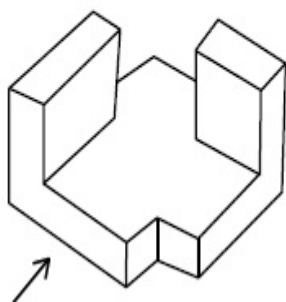


Question Number : 70 Question Id : 70819114171 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

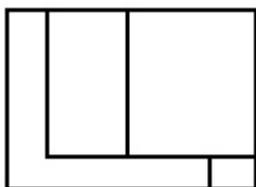
Correct Marks : 4 Wrong Marks : 1

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

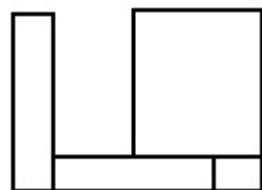


Options :

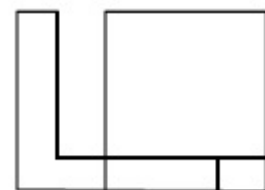
70819147067.



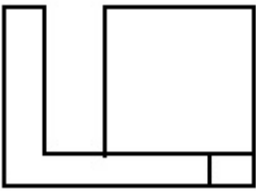
70819147068.



70819147069.



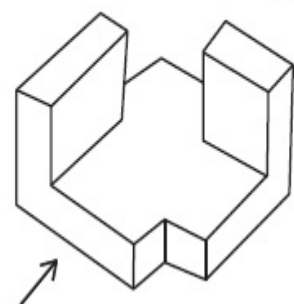
70819147070.



Question Number : 70 Question Id : 70819114171 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

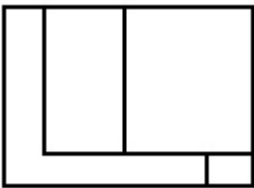
Correct Marks : 4 Wrong Marks : 1

3-ବିମାନ୍ ତିନୁଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ତିନୁ ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ତାର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଦୃଶ୍ୟଟି ବାଛି ।

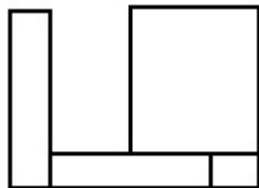


Options :

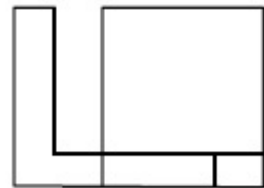
70819147067.



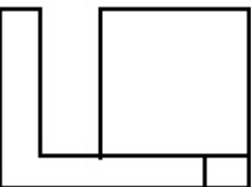
70819147068.



70819147069.



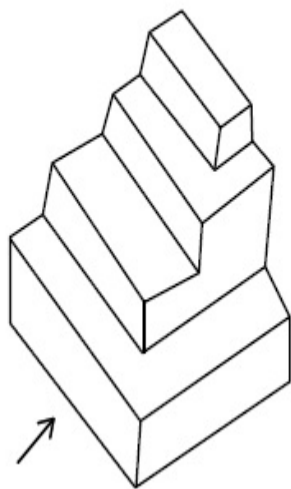
70819147070.



Question Number : 71 Question Id : 70819114172 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

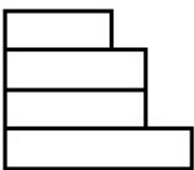
Correct Marks : 4 Wrong Marks : 1

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

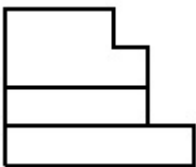


Options :

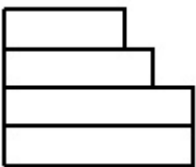
70819147071.



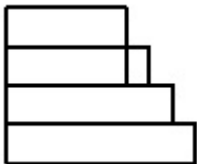
70819147072.



70819147073.

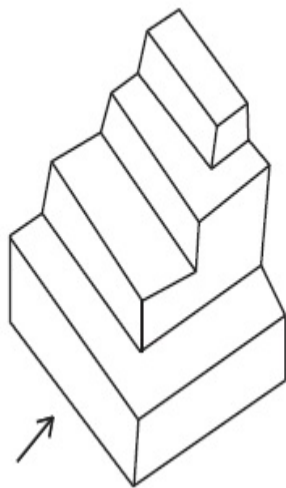


70819147074.

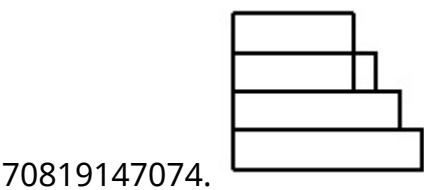
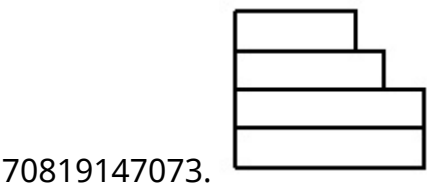
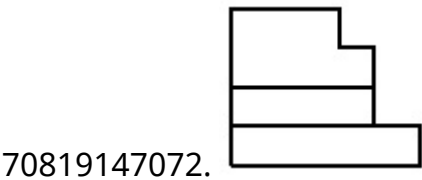
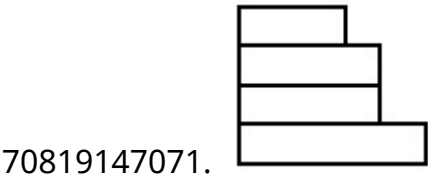


Question Number : 71 Question Id : 70819114172 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

3-ବିମାନ୍ନ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ଚାର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଦୃଶ୍ୟଟି ବାଛି ।



Options :

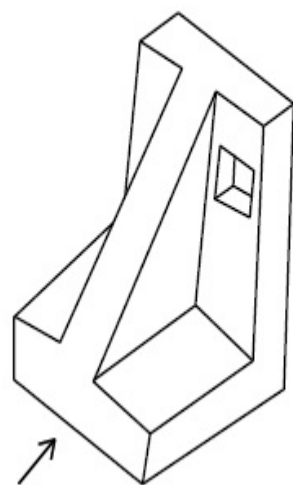


Question Number : 72 Question Id : 70819114173 Question Type : MCQ Option Shuffling : Yes

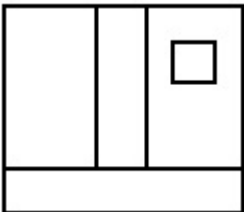
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

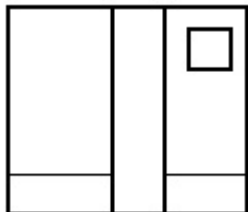
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



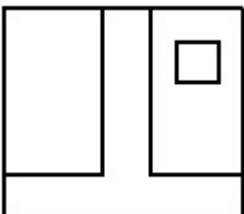
Options :



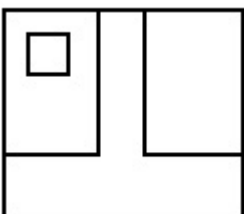
70819147075.



70819147076.



70819147077.

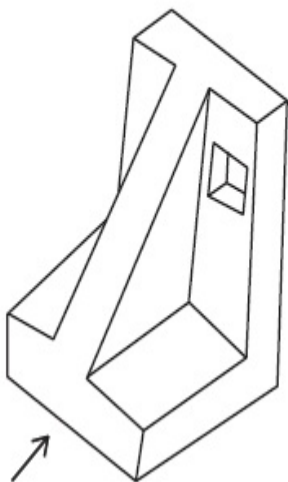


70819147078.

Question Number : 72 Question Id : 70819114173 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

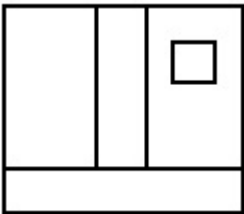
Correct Marks : 4 Wrong Marks : 1

3-ବିମାନ୍ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ତାର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଦୃଶ୍ୟଟି ବାଛି ।

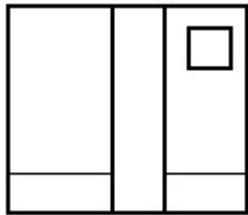


Options :

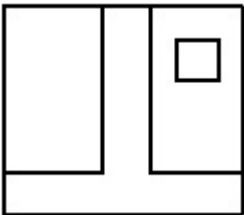
70819147075.



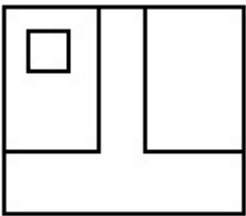
70819147076.



70819147077.

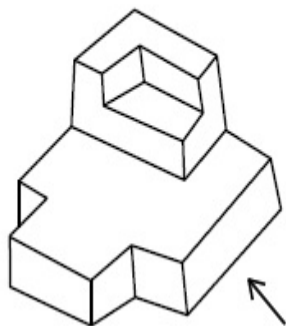


70819147078.



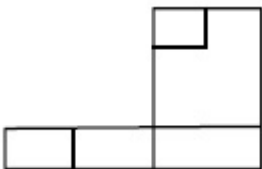
Question Number : 73
Question Id : 70819114174
Question Type : MCQ
Option Shuffling : Yes
Is Question Mandatory : No
Correct Marks : 4
Wrong Marks : 1

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

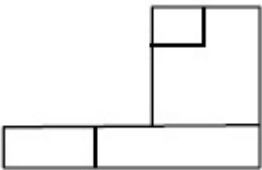


Options :

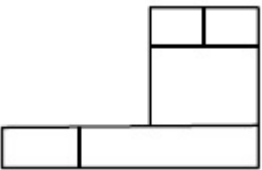
70819147079.



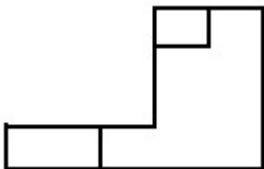
70819147080.



70819147081.



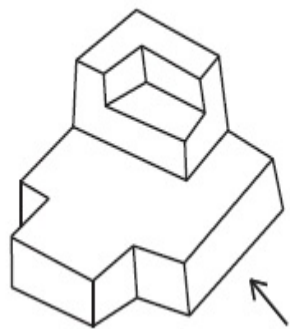
70819147082.



Question Number : 73 Question Id : 70819114174 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

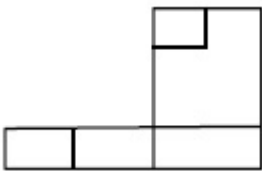
Correct Marks : 4 Wrong Marks : 1

3-ବିମାନ୍ନ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ଚାରୋଟିରୁ ଠିକ୍ ଅନୁଯାୟୀ ସଠିକ୍ ଦୃଶ୍ୟଟି ବାଛି ।

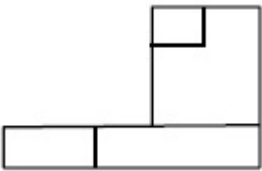


Options :

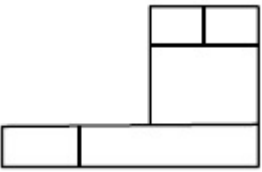
70819147079.



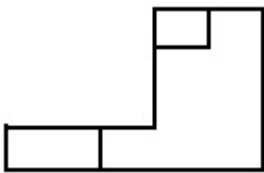
70819147080.



70819147081.



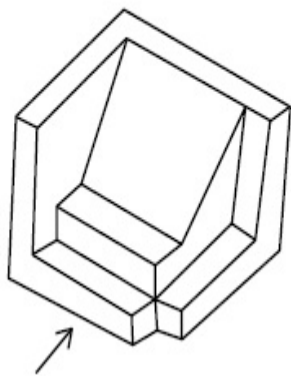
70819147082.



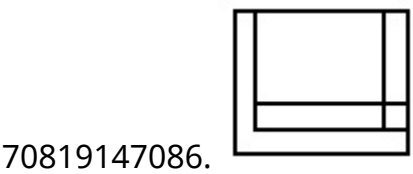
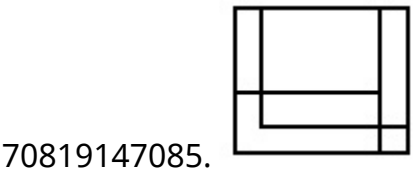
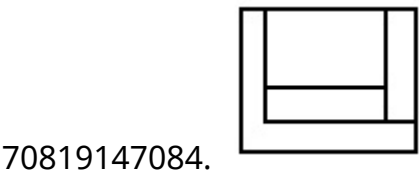
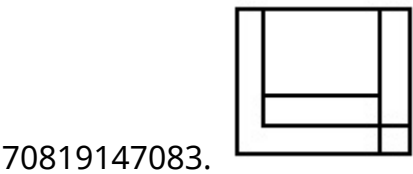
Question Number : 74 Question Id : 70819114175 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



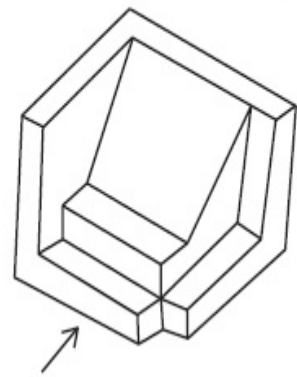
Options :



Question Number : 74 Question Id : 70819114175 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

3-ବିମାନ୍ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ଚାରୁ ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଦୃଶ୍ୟଟି ବାଛି ।

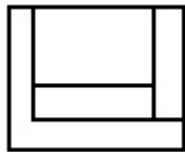


Options :

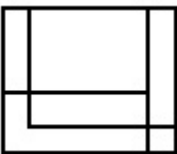
70819147083.



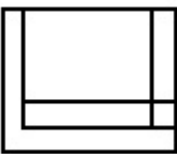
70819147084.



70819147085.

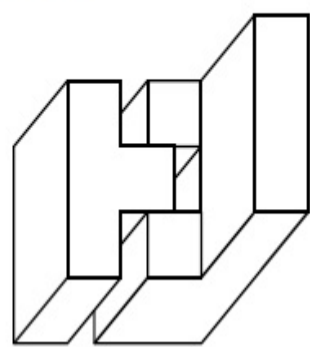


70819147086.

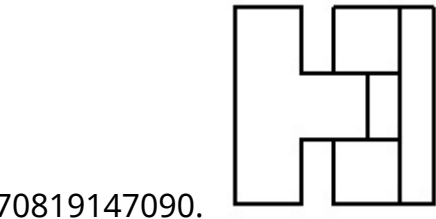
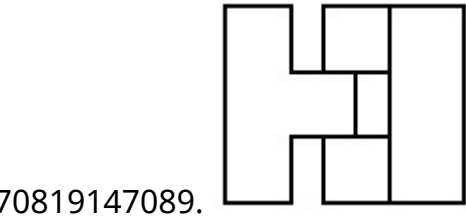
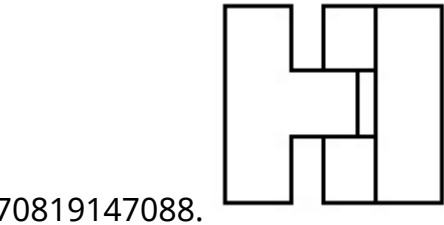
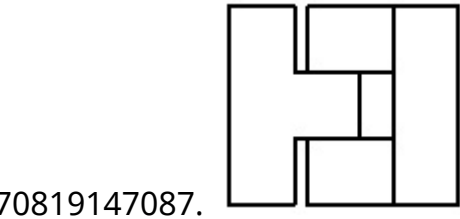


Question Number : 75 Question Id : 70819114176 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

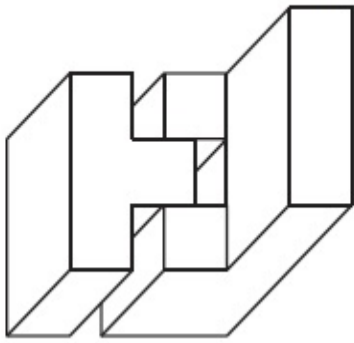
The 3D figure shows the view of an object. Identify the correct top view, amongst the answer figures.



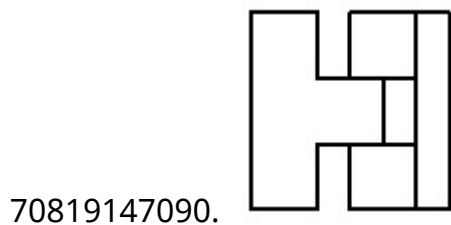
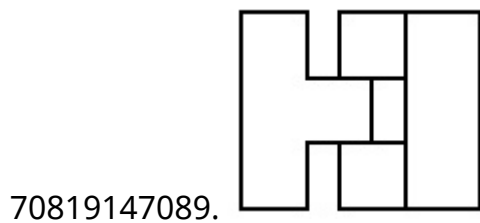
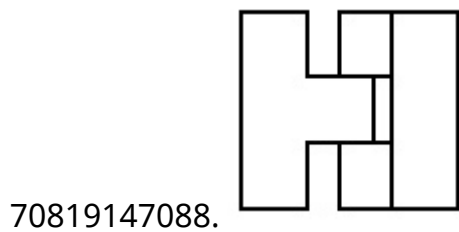
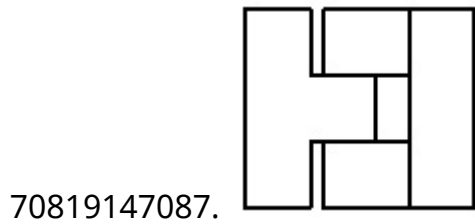
Options :



3-ବିମାୟ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରୁ ସଠିକ୍ ଶୀର୍ଷଦୃଶ୍ୟ ଚିତ୍ରଟି ବାଛି ।



Options :

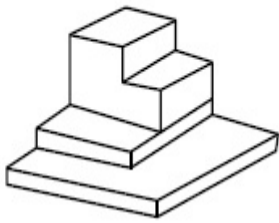


Question Number : 76 Question Id : 70819114177 Question Type : MCQ Option Shuffling : Yes

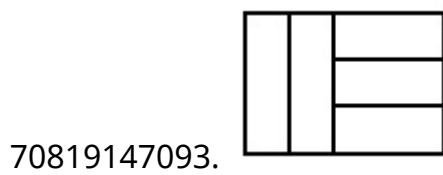
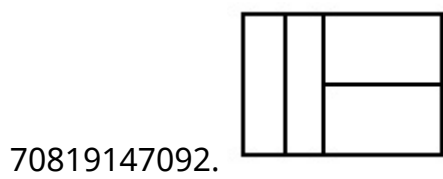
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

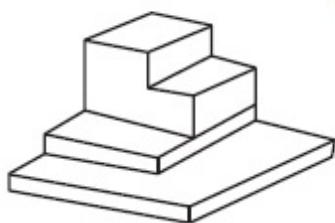


Question Number : 76 Question Id : 70819114177 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

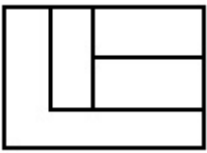
Correct Marks : 4 Wrong Marks : 1

3-ବିମାନ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରୁ ସଠିକ୍ ଶୀର୍ଷଦୃଶ୍ୟ ଚିତ୍ରଟି ବାଛି ।



Options :

70819147091.



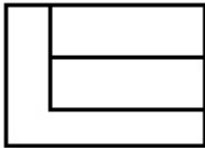
70819147092.



70819147093.



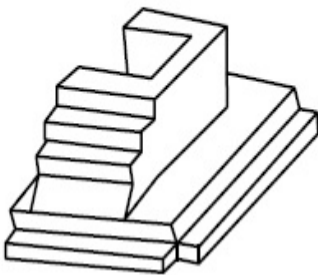
70819147094.



Question Number : 77 Question Id : 70819114178 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

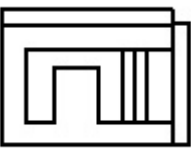
Correct Marks : 4 Wrong Marks : 1

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

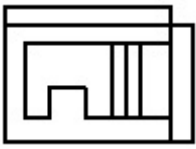


Options :

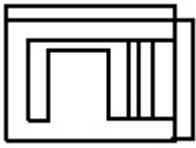
70819147095.



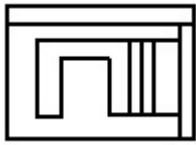
70819147096.



70819147097.



70819147098.

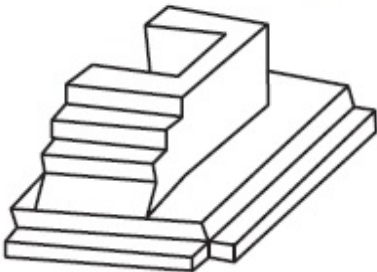


Question Number : 77 Question Id : 70819114178 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

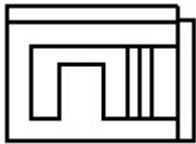
Correct Marks : 4 Wrong Marks : 1

3-ବିମାୟ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରୁ ସଠିକ୍ ଶୀର୍ଷଦୃଶ୍ୟ ଚିତ୍ରଟି ବାଛି ।

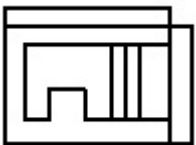


Options :

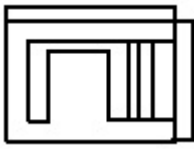
70819147095.



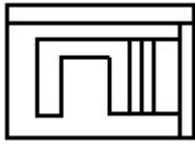
70819147096.



70819147097.



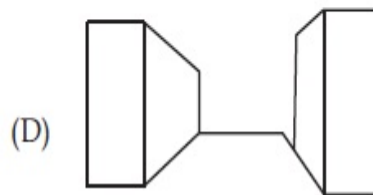
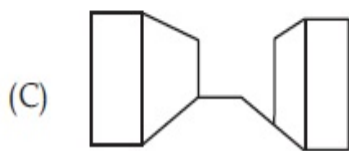
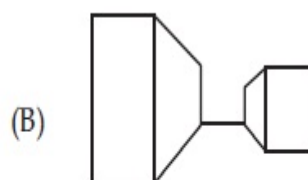
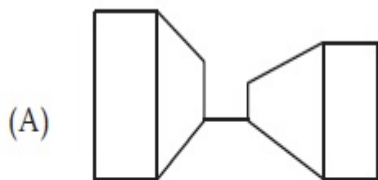
70819147098.



Question Number : 78 Question Id : 70819114179 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 :

70819147099. (A) and (B)

70819147100. (B) and (C)

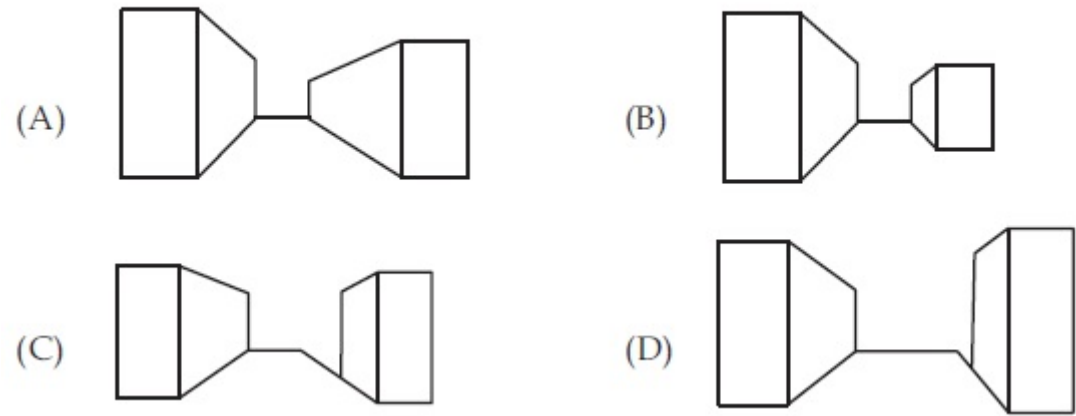
70819147101. (C) and (D)

70819147102. (D) and (A)

Question Number : 78 Question Id : 70819114179 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନଲିଖିତ ଉତ୍ତର ଚିତ୍ର ଗୁଡ଼ିକ ମଧ୍ୟରୁ କମ ଦୃଶ୍ୟମାନ ଚାପ ଥିବା ଅଙ୍କାଳିକା ସମୂହକୁ ଚିହ୍ନଟ କର ।



Options :

70819147099. (A) and (B)

70819147100. (B) and (C)

70819147101. (C) and (D)

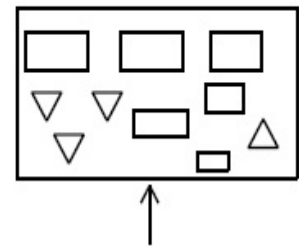
70819147102. (D) and (A)

Question Number : 79 Question Id : 70819114180 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.

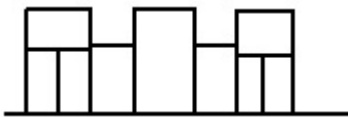


Options :

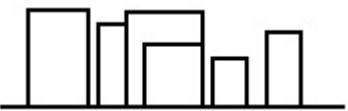


70819147103.

70819147104.



70819147105.



70819147106.

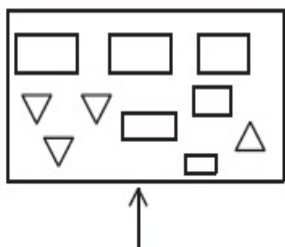


Question Number : 79 Question Id : 70819114180 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ପ୍ରଶ୍ନଚିତ୍ରଟି ବସ୍ତୁର ଶୀର୍ଷଦୃଶ୍ୟକୁ ଦର୍ଶାଉଛି । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ତୀର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଏଲିଭେସନ୍‌ଟିକୁ ଚିହ୍ନଟ କର ।

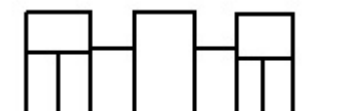


Options :

70819147103.



70819147104.



70819147105.



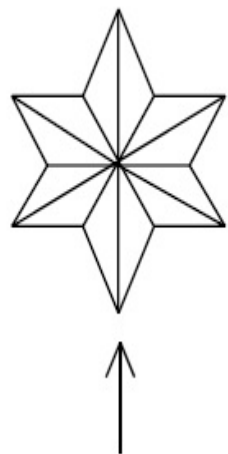
70819147106.



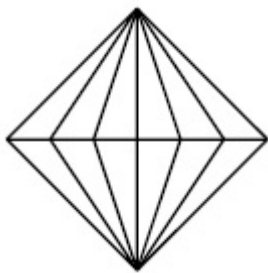
Question Number : 80 Question Id : 70819114181 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

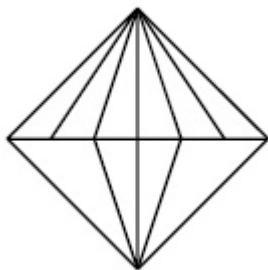
The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



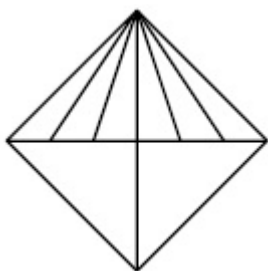
Options :



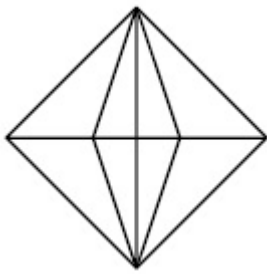
70819147107.



70819147108.



70819147109.



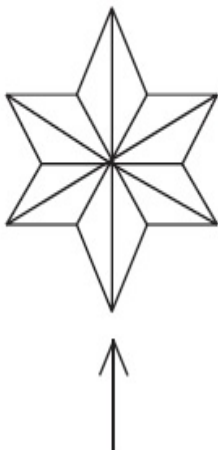
70819147110.

Question Number : 80 Question Id : 70819114181 Question Type : MCQ Option Shuffling : Yes

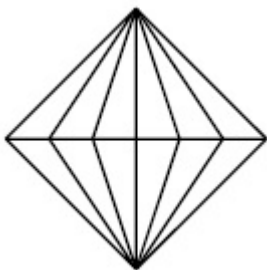
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

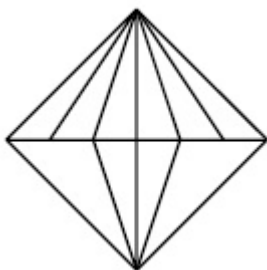
ପ୍ରଶ୍ନଚିତ୍ରଟି ବସ୍ତୁର ଶୀର୍ଷଦୃଶ୍ୟକୁ ଦର୍ଶାଇଛି । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ତୀର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଏଲିଭେସନ୍‌ଟି ଚିହ୍ନଟ କର ।



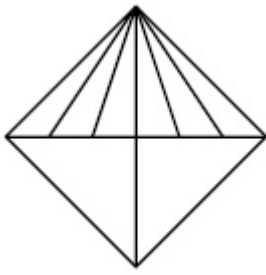
Options :



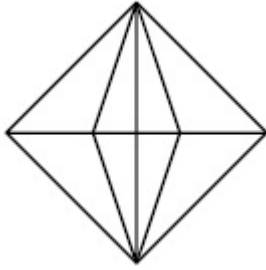
70819147107.



70819147108.



70819147109.



70819147110.

Drawing

Section Id :	708191503
Section Number :	4
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	2
Number of Questions to be attempted :	2
Section Marks :	100
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	708191783
Question Shuffling Allowed :	No

Question Number : 81 Question Id : 70819114182 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 : 70819114182 Question Type : SUBJECTIVE

Correct Marks : 50

ନିଜ ପସନ୍ଦ ଅନୁଯାୟୀ ଯେକୌଣସି କଳା ଏବଂ ଧଳା କରିବାର କୌଶଳ (ଟେକ୍ନିକ୍) ବ୍ୟବହାର କରି ପ୍ରଦତ୍ତ ପ୍ରତିଛବିର ଆନୁପାତିକ ଚିତ୍ର ଅଙ୍କନ କର ।

ଅଥବା

ଯେକୌଣସି କଳା ଏବଂ ଧଳା କରିବାର କୌଶଳ (ଟେକ୍ନିକ୍) ବ୍ୟବହାର କରି ପ୍ରତିଛବିକୁ ବୁଝିକରି ଏବଂ ଅନୁବାଦ କରି ଆପଣଙ୍କ ଫ୍ରେମ୍ ପସନ୍ଦରେ ସନ୍ତୁଳନ ସଂରଚନା ପ୍ରସ୍ତୁତ କର ।



Question Number : 82 Question Id : 70819114183 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 : 70819114183 Question Type : SUBJECTIVE

Correct Marks : 50

ରଙ୍ଗ ବ୍ୟବହାର କରି ଏକ ଗୁଡ଼ି ପର୍ବର ଦୃଶ୍ୟ ଅଙ୍କନ କର ।

ଅଥବା

ନିମ୍ନଲିଖିତ ଦୁଇ ପ୍ରକାରର ବସ୍ତୁକୁ ନେଇ ଗୋଟିଏ ଲୟବଧ 3-ବିମୀୟ ଅଙ୍କନ କର ।

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

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

(କୂଳ କଲର ସ୍କିମ୍ ବ୍ୟବହାର କର)