

<b>Question Paper Name :</b>	B PLANNING AND B ARCH EA 23rd Feb 2021 Shift 2
<b>Subject Name :</b>	B PLANNING AND B ARCH EA
<b>Creation Date :</b>	2021-02-22 14:15:55
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<b>Number of Questions :</b>	107
<b>Total Marks :</b>	500
<b>Display Marks:</b>	Yes

## B PLANNING AND B ARCH EA

<b>Group Number :</b>	1
<b>Group Id :</b>	708191156
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	210
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	500
<b>Is this Group for Examiner? :</b>	No

## Mathematics Section A

<b>Section Id :</b>	708191520
<b>Section Number :</b>	1
<b>Section type :</b>	Online

**Mandatory or Optional :** Mandatory  
**Number of Questions :** 20  
**Number of Questions to be attempted :** 20  
**Section Marks :** 80  
**Mark As Answered Required? :** Yes  
**Sub-Section Number :** 1  
**Sub-Section Id :** 708191800  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 70819114512 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 :**

70819148271.  $\frac{121}{3}$

70819148272.  $\frac{122}{3}$

70819148273.  $\frac{125}{3}$

70819148274.  $\frac{128}{3}$

**Question Number : 1 Question Id : 70819114512 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

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

$\int_{-4}^4 |9-x^2| dx$  অনুকলনটোৰ মান হ'ব :

Options :

70819148271.  $\frac{121}{3}$

70819148272.  $\frac{122}{3}$

70819148273.  $\frac{125}{3}$

70819148274.  $\frac{128}{3}$

Question Number : 2 Question Id : 70819114513 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 :

70819148275.  $\frac{31}{13}$

70819148276.  $\frac{108}{13}$

70819148277.  $\frac{27}{2}$

70819148278.  $\frac{54}{7}$

Question Number : 2 Question Id : 70819114513 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

এটা গুণোত্তৰ প্ৰগতিৰ অসীম সংখ্যক পদৰ যোগফল 3 আৰু ইয়াৰ পদবোৰৰ বৰ্গৰ যোগফল  $\frac{9}{2}$ । তেন্তে, ইয়াৰ পদবোৰৰ ঘনৰ যোগফল হ'ব :

Options :

70819148275.  $\frac{31}{13}$

70819148276.  $\frac{108}{13}$

70819148277.  $\frac{27}{2}$

70819148278.  $\frac{54}{7}$

Question Number : 3 Question Id : 70819114514 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 :

70819148279.  $P \Leftrightarrow P \vee q$

70819148280.  $(P \wedge q) \Leftrightarrow P$

70819148281.  $(P \wedge (\sim P \vee q)) \vee (\sim q)$

70819148282.  $(p \vee \sim p) \wedge (q \vee (\sim q))$

**Question Number : 3 Question Id : 70819114514 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

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

তলৰ কোনটো বুলিন ৰাশি এটা পুনঃৰুক্তি ?

**Options :**

70819148279.  $P \Leftrightarrow P \vee q$

70819148280.  $(P \wedge q) \Leftrightarrow P$

70819148281.  $(P \wedge (\sim P \vee q)) \vee (\sim q)$

70819148282.  $(P \vee \sim P) \wedge (q \vee (\sim q))$

**Question Number : 4 Question Id : 70819114515 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 :**

70819148283. a, b and c are in Arithmetic Progression

70819148284. a, b and c are in Geometric Progression

70819148285. a, 2b and c are in Arithmetic Progression

70819148286. a, b and c satisfy  $2b^2 = ac$

Question Number : 4 Question Id : 70819114515 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ধৰা হ'ল  $|a| < 1$ ,  $|b| < 1$ ,  $|c| < 1$  আৰু  $x = \sum_{n=0}^{\infty} a^n$ ,  $y = \sum_{n=0}^{\infty} b^n$ ,  $z = \sum_{n=0}^{\infty} c^n$ । যদি  $\frac{1}{x}$ ,  $\frac{1}{y}$ ,  $\frac{1}{z}$  সমান্তৰ প্রগতিত থাকে, তেন্তে :

Options :

70819148283. a, b আৰু c সমান্তৰ প্রগতিত থাকিব

70819148284. a, b আৰু c গুণোত্তৰ প্রগতিত থাকিব

70819148285. a, 2b আৰু c সমান্তৰ প্রগতিত থাকিব

70819148286. a, b আৰু c য়ে  $2b^2 = ac$  ক সিদ্ধ কৰে

Question Number : 5 Question Id : 70819114516 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 :

70819148287.  $15e + 5$

70819148288.  $15e - 5$

70819148289.  $16e - 5$

Question Number : 5 Question Id : 70819114516 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$$\sum_{n=1}^{\infty} \frac{2n^2 + 7n + 5}{n!} \text{ সমান হ'ব :}$$

Options :

70819148287.  $15e + 5$

70819148288.  $15e - 5$

70819148289.  $16e - 5$

70819148290.  $16e - 7$

Question Number : 6 Question Id : 70819114517 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819148291. 5

70819148292. 3

70819148293. 7

70819148294. 1

Question Number : 6 Question Id : 70819114517 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$10^{50} + (3 \times (4)^{52}) + \lambda$  বাশিটো 9 বে বিভাজ্য হ'লে  $\lambda$  ৰ নিম্নতম ধনাত্মক অখণ্ড মান হ'ব :

Options :

70819148291. 5

70819148292. 3

70819148293. 7

70819148294. 1

Question Number : 7 Question Id : 70819114518 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 :

70819148295. 455

70819148296. 421

70819148297. 435

70819148298. 441

Question Number : 7 Question Id : 70819114518 Question Type : MCQ Option Shuffling : Yes Is

**Question Mandatory : No**

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

তিনিডাল সমান্তৰাল আৰু একেসমতলীয় ৰেখাৰ ওপৰত ক্ৰমে 4টা, 5টা অৰু 6টা বিন্দু থাকে। যদি চাৰিটা বা অধিক বিন্দু থকা খুপটো চক্ৰীয় নহয় আৰু ভিন্ন ৰেখাত অৱস্থিত তিনিটা বিন্দুৰ খুপটো একেৰেখীয় নহয়, তেন্তে মাত্ৰ তিনিটা বিন্দুৰ মাজেৰে পাৰ হৈ যোৱা বৃত্তৰ সংখ্যা হ'ব :

**Options :**

70819148295. 455

70819148296. 421

70819148297. 435

70819148298. 441

**Question Number : 8 Question Id : 70819114519 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 :**

70819148299.  $a = 1, b = 0$

70819148300.  $a = 0, b = 1$

70819148301.  $a = 0, b = -1$

70819148302.  $a = -1, b = 1$

**Question Number : 8 Question Id : 70819114519 Question Type : MCQ Option Shuffling : Yes Is**

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

যদি  $(2, -1)$  বিন্দুটোত  $y = \frac{ax - b}{(x - 1)(x - 4)}$  ৰ এটা চৰম মান থাকে, তেন্তে  $a$  আৰু  $b$  ৰ মানবোৰ হ'ব :

Options :

70819148299.  $a = 1, b = 0$

70819148300.  $a = 0, b = 1$

70819148301.  $a = 0, b = -1$

70819148302.  $a = -1, b = 1$

Question Number : 9 Question Id : 70819114520 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 :

70819148303.  $\frac{9}{13}$

70819148304.  $\frac{15}{4}$

70819148305.  $\frac{13}{9}$

70819148306.  $\frac{1}{13}$

Question Number : 9 Question Id : 70819114520 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$\vec{r} \cdot (2\hat{i} + \hat{j} - 2\hat{k}) + 5 = 0$  আৰু  $\vec{r} \cdot (6\hat{i} + 3\hat{j} - 6\hat{k}) + 2 = 0$  সমতলদুখনৰ মাজৰ দূৰত্বটো হ'ব :

Options :

70819148303.  $\frac{9}{13}$

70819148304.  $\frac{15}{4}$

70819148305.  $\frac{13}{9}$

70819148306.  $\frac{1}{13}$

Question Number : 10 Question Id : 70819114521 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 :

70819148307.  $\frac{7}{20}$

70819148308.  $\frac{1}{20}$

70819148309.  $\frac{19}{20}$

70819148310.  $\frac{12}{20}$

**Question Number : 10 Question Id : 70819114521 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

দুজন ছাত্র X আৰু Y ৰ এটা গণিতৰ সমস্যা সমাধান কৰাৰ সম্ভাৱিতা ক্ৰমে  $\frac{1}{4}$  আৰু  $\frac{1}{5}$ । যদি তেওঁলোকৰ দুয়োজনে সমস্যাটো স্বতন্ত্ৰভাৱে সমাধান কৰাৰ চেষ্টা কৰে, তেন্তে, সমস্যাটো তেওঁলোকৰ কোনোবা এজনে সমাধান কৰাৰ সম্ভাৱিতাটো হ'ব :

**Options :**

70819148307.  $\frac{7}{20}$

70819148308.  $\frac{1}{20}$

70819148309.  $\frac{19}{20}$

70819148310.  $\frac{12}{20}$

**Question Number : 11 Question Id : 70819114522 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 :**

70819148311.  $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$

70819148312.  $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819148313.  $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

70819148314.  $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$

Question Number : 11 Question Id : 70819114522 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$\frac{1+i}{1-i}$  জটিল সংখ্যাটোৰ প্ৰস্ৰীয় আকাৰটো হ'ব :

Options :

70819148311.  $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$

70819148312.  $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819148313.  $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

70819148314.  $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$

Question Number : 12 Question Id : 70819114523 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 :

70819148315. <sup>2</sup>

70819148316. <sup>3</sup>

70819148317. <sup>4</sup>

70819148318. <sup>1</sup>

Question Number : 12 Question Id : 70819114523 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

যদি  $(1, 0)$  আৰু  $(3, 0)$  বিন্দুকেইটা সংযোগী ৰেখাখণ্ডডালক  $2 : 1$  অনুপাতত দুভাগ কৰা আৰু ৰেখাখণ্ডডালৰ ওপৰত লম্বভাৱে থকা ৰেখাডালৰ সমীকৰণটো  $ax = 7$  হয়, তেন্তে  $a$  ৰ মান হ'ব :

Options :

70819148315. <sup>2</sup>

70819148316. <sup>3</sup>

70819148317. <sup>4</sup>

70819148318. <sup>1</sup>

Question Number : 13 Question Id : 70819114524 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 :**

70819148319.  $x^2 + y^2 - 2x + 4y + 3 = 0$

70819148320.  $x^2 + y^2 - 4x - 2y + 4 = 0$

70819148321.  $2(x^2 + y^2) - x + y + 1 = 0$

70819148322.  $x^2 + y^2 - 2x - 4y + 3 = 0$

**Question Number : 13 Question Id : 70819114524 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

$x + y = 2$  রেখাটো সাপেক্ষে  $x^2 + y^2 - 2x = 0$  বৃত্তটোৰ দাপোন প্ৰতিবিন্দু হৈ থকা বৃত্তটোৰ সমীকৰণটো হ'ব :

**Options :**

70819148319.  $x^2 + y^2 - 2x + 4y + 3 = 0$

70819148320.  $x^2 + y^2 - 4x - 2y + 4 = 0$

70819148321.  $2(x^2 + y^2) - x + y + 1 = 0$

70819148322.  $x^2 + y^2 - 2x - 4y + 3 = 0$

**Question Number : 14 Question Id : 70819114525 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 :**

70819148323.  $y+3=0$  and  $x-1=0$

70819148324.  $x-3=0$  and  $y+1=0$

70819148325.  $x+3=0$  and  $x-1=0$

70819148326.  $y+3=0$  and  $y-1=0$

**Question Number : 14 Question Id : 70819114525 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

$\frac{(x+1)^2}{2^2} + \frac{(y-1)^2}{3^2} = 1$  উপবৃত্ত আৰু  $(x+1)^2 + (y-1)^2 = 4$  বৃত্তৰ উমৈহতীয়া (common) স্পৰ্শকবোৰৰ

সমীকৰণবোৰ হ'ব :

**Options :**

70819148323.  $y+3=0$  আৰু  $x-1=0$

70819148324.  $x-3=0$  আৰু  $y+1=0$

70819148325.  $x+3=0$  আৰু  $x-1=0$

70819148326.  $y+3=0$  আৰু  $y-1=0$

**Question Number : 15 Question Id : 70819114526 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 :

70819148327.  $\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$

70819148328.  $\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$

70819148329.  $\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$

70819148330.  $\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$

Question Number : 15 Question Id : 70819114526 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

যদি  $A = \begin{bmatrix} 1 & a \\ 0 & 1 \end{bmatrix}$  হয়, তবে  $A^k$  ( $k \in \mathbb{N}$ ) হ'বে :

Options :

70819148327.  $\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$

70819148328.  $\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$

70819148329.  $\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$

70819148330.  $\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$

Question Number : 16 Question Id : 70819114527 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 :

70819148331.  $s=5, t=13$

70819148332.  $s \neq 5$

70819148333.  $s=5, t \neq 13$

70819148334.  $t \neq 13$

Question Number : 16 Question Id : 70819114527 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

যদি,  $x_1 + x_2 + x_3 = 5$

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

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

সমীকরণ প্রণালীটোৰ কোনো সমাধান নাথাকে, তেন্তে s আৰু t ৰ মানবোৰ হ'ব :

Options :

70819148331.  $s=5, t=13$

70819148332.  $s \neq 5$

70819148333.  $s=5, t \neq 13$

70819148334.  $t \neq 13$

Question Number : 17 Question Id : 70819114528 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 :

70819148335. 1

70819148336. -1

70819148337. 0

70819148338. 2

Question Number : 17 Question Id : 70819114528 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$(1, \infty)$  অন্তর্ভুক্ত  $\sin^{-1}\left(\frac{2x}{1+x^2}\right)$  সাপেক্ষে  $\tan^{-1}\left(\frac{2x}{1-x^2}\right)$  ৰ অৱকলনজটো হ'ব :

Options :

70819148335. 1

70819148336. <sup>-1</sup>

70819148337. <sup>0</sup>

70819148338. <sup>2</sup>

Question Number : 18 Question Id : 70819114529 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 :

70819148339.  $\frac{\pi}{6}$

70819148340.  $\frac{\pi}{4}$

70819148341.  $\frac{\pi}{3}$

70819148342.  $\frac{5\pi}{12}$

Question Number : 18 Question Id : 70819114529 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ধরা হ'ল,  $\vec{a}$ ,  $\vec{b}$  আৰু  $\vec{c}$  তিনিটা ভেক্টৰ যাতে  $|\vec{a}| = |\vec{b}| = \frac{|\vec{c}|}{2} = 1$ । যদি  $\vec{a} \times (\vec{a} \times \vec{c}) + \vec{b} = 0$  হয়, তেন্তে

$\vec{a}$  আৰু  $\vec{c}$  ৰ মাজৰ সূক্ষ্মকোণটো হ'ব :

**Options :**

70819148339.  $\frac{\pi}{6}$

70819148340.  $\frac{\pi}{4}$

70819148341.  $\frac{\pi}{3}$

70819148342.  $\frac{5\pi}{12}$

**Question Number : 19 Question Id : 70819114530 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 :**

70819148343.  $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819148344.  $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819148345.  $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819148346.  $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

Question Number : 19 Question Id : 70819114530 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$(1 + y^2)dx = (\tan^{-1}y - x)dy$  অৱকলন সমীকৰণটোৰ সমাধানটো হ'ব :

(য'ত  $c$  এটা স্বেচ্ছ প্ৰসংগ)

Options :

70819148343.  $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819148344.  $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819148345.  $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819148346.  $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

Question Number : 20 Question Id : 70819114531 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 :

70819148347.  $[-5, -4] \cup [4, 5]$

70819148348.  $[-5, 4) \cup (-4, 5]$

70819148349.  $(-5, -4) \cup (4, 5)$

70819148350.  $(-5, 4) \cup (-4, 5)$

Question Number : 20 Question Id : 70819114531 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

যদি  $\vec{a} = (x^2 - 16)\hat{i} + 4\hat{j} - (x^2 - 25)\hat{k}$  ভেক্টৰটোৱে (ধনাত্মক দিশৰ) স্থানাংক অক্ষবোৰৰ লগত সূক্ষ্মকোণ উৎপন্ন কৰে, তেন্তে  $x$  ৰ মানবোৰ থকা অন্তৰালটো হ'ব :

Options :

70819148347.  $[-5, -4] \cup [4, 5]$

70819148348.  $[-5, 4) \cup (-4, 5]$

70819148349.  $(-5, -4) \cup (4, 5)$

70819148350.  $(-5, 4) \cup (-4, 5)$

## Mathematics Section B

Section Id :	708191521
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 :	708191801
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 70819114532 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 : 70819114532 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

$$\int_0^{\pi} \sqrt{\frac{1 + \cos 2x}{2}} dx \text{ হ'ল } \underline{\hspace{2cm}}।$$

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 22 Question Id : 70819114533 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 : 70819114533 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

$9\tan^2\theta + 4\cot^2\theta$  ৰ সৰ্বনিম্ন মান হ'ব \_\_\_\_\_।

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 : 70819114534 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 : 70819114534 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

(1, 2, 3) বিন্দুটোৰ পৰা  $\frac{-x+6}{-3} = \frac{y-7}{2} = \frac{z-7}{-2}$  ৰেখাডাললৈ টনা লম্বডালৰ দৈৰ্ঘ্য হ'ব \_\_\_\_\_।

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 : 70819114535 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 : 70819114535 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

যদি  $\log_3 2, \log_3(2^x - 5)$  আৰু  $\log_3\left(2^x - \frac{7}{2}\right)$  সমান্তৰ প্ৰগতিত থাকে, তেন্তে  $x$  ৰ মান হ'ব \_\_\_\_\_।

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 : 70819114536 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 : 70819114536 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

যদি  $x^2 + x + 1 = 0$ , তেন্তে  $-\left\{\left(x - \frac{1}{x}\right)^2 + \left(x^2 - \frac{1}{x^2}\right)^2 + \left(x^3 - \frac{1}{x^3}\right)^2\right\}$  হ'ব \_\_\_\_\_।

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 : 70819114537 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 : 70819114537 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

(4, 5) বিন্দুটোৰ পৰা  $x^2 + y^2 - 4x - 2y - 11 = 0$  বৃত্তটোলৈ অঁকা স্পর্শকবোৰে এযোৰ ব্যাসাৰ্ধৰ লগত এটা চতুৰ্ভুজ গঠন কৰে। এই চতুৰ্ভুজটোৰ কালি বৰ্গএককত হ'ব \_\_\_\_\_।

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 : 70819114538 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 : 70819114538 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

যদি এটা দ্বিপদ বস্তুৰ মাধ্য আৰু প্ৰসৰণৰ যোগফল 15 হয়, আৰু সিহঁতৰ বৰ্গৰ যোগফল 117 হয়, তেন্তে, স্বতন্ত্ৰ প্ৰচেষ্টাৰ সংখ্যা হ'ব \_\_\_\_\_।

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 : 70819114539 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 : 70819114539 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

ধৰা হ'ল,  $(1, 2, 6), (2, 5, 7)$  বিন্দুকেইটাৰ মাজেৰে পাৰ হৈ যোৱা আৰু  $4x - y + z = 15$  সমতলখনৰ ওপৰত লম্ব হোৱা সমতলখনৰ সমীকৰণটো হ'ল  $ax + by + cz + d = 0$ । যদি  $a, b, c, d \in \mathbb{Z}$  আৰু  $g = \sqrt{a^2 + b^2 + c^2} = 1$  হয়, তেন্তে,  $|a + b + c + d|$  সমান হ'ব \_\_\_\_\_।

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 : 70819114540 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 : 70819114540 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

$\left[-\frac{3\pi}{2}, \frac{7\pi}{2}\right]$  অন্তৰালত  $4\sin^2 x - 8\sin x + 3 = 0$  সমীকৰণটোৰ বাস্তৱ সমাধানৰ সংখ্যা হ'ব \_\_\_\_\_।

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 :** 70819114541 **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 :** 70819114541 **Question Type :** SA

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

ধৰা হ'ল,  $A_1, A_2, A_3, \dots$  এটা বৰ্ধমান গুণোত্তৰ প্ৰগতি। যদি  $\frac{1}{A_4} + \frac{1}{A_8} = \frac{10}{63}$  আৰু  $A_5 A_7 = 441$  হয়, তেন্তে  $3(A_2 + A_4)$  সমান হ'ব \_\_\_\_\_।

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

## Aptitude Test

<b>Section Id :</b>	708191522
<b>Section Number :</b>	3
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	708191802
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 31 Question Id : 70819114542 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 :**

70819148361. United Nations Educational, Scientific & Cultural Organization.

70819148362. United Nations Educational Security Cultural Organization.

70819148363. United Nations Entrance Site Calling Organization.

70819148364. United Nations Educational, Sustainable & Cultural Organization.

Question Number : 31 Question Id : 70819114542 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

তলৰ কোনটো সম্পূৰ্ণ বাক্য হ'ব UNESCO ৰ ?

Options :

70819148361. ইউনাইটেড নেচন্স এডুকেচনেল, চাইণ্টিফিক & কালচাৰেল অৰ্গেনাইজেচন

70819148362. ইউনাইটেড নেচন্স এডুকেচনেল চিকুৰিটি কালচাৰেল অৰ্গেনাইজেচন

70819148363. ইউনাইটেড নেচন্স এনট্ৰেন্চ চাইট কলিং অৰ্গেনাইজেচন

70819148364. ইউনাইটেড নেচন্স এডুকেচনেল, চাৰ্ভেইনেবল & কালচাৰেল অৰ্গেনাইজেচন

Question Number : 32 Question Id : 70819114543 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

List - I

List - II

(I) Hall of Nation

(a)



(II) Falling Water, Pennsylvania

(b)



(III) Petronas Tower

(c)



(IV) Secretariat

(d)



Options :

70819148365. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819148366. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819148367. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

Question Number : 32 Question Id : 70819114543 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

তালিকা-I ৰ লগত তালিকা-II মিলাওক।

তালিকা-I

তালিকা-II

(I) হল অফ নেচন

(a)



(II) ফলিং ব্ৰাটাৰ, পেনচিলভেনিয়া

(b)



(III) পেট্ৰ'নাছ টাৱাৰ

(c)



(IV) চেফ্ৰেটেৰিয়েট

(d)



Options :

70819148365. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819148366. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819148367. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819148368. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

**Question Number : 33 Question Id : 70819114544 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 :**

70819148369. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819148370. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819148371. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819148372. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

**Question Number : 33 Question Id : 70819114544 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

তালিকা-I ৰ লগত তালিকা-II মিলাওক।

তালিকা-I	তালিকা-II
(I) কামৰূপ	(a) ভিক্ট'ৰিয়া মেম'ৰিয়েল হ'ল
(II) দিল্লী	(b) বদ্রীনাথ মন্দিৰ
(III) ফটেহপুৰ চিহ্নী	(c) খিড়কী মছজিদ
(IV) কোলকাতা	(d) বুলন্দ দৰ্জা

**Options :**

70819148369. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819148370. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819148371. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819148372. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

**Question Number : 34 Question Id : 70819114545 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

List - I

List - II

(I) Agra fort

(a)



(II) Atala Masjid

(b)



(III) Nalanda University

(c)



(IV) Jagannatha Temple

(d)



Options :

70819148373. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819148374. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819148375. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819148376. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

Question Number : 34 Question Id : 70819114545 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

তালিকা-I ব লগত তালিকা-II মিলাওক।

তালিকা-I

তালিকা-II

(I) আগ্রা দুৰ্গ

(a)



(II) অটলা মছজিদ

(b)



(III) নালন্দা বিশ্ববিদ্যালয়

(c)



(IV) জগন্নাথ মন্দিৰ

(d)



Options :

70819148373. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819148374. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819148375. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819148376. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

**Question Number : 35 Question Id : 70819114546 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 :**

70819148377. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819148378. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819148379. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819148380. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

**Question Number : 35 Question Id : 70819114546 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

তালিকা-I ৰ লগত তালিকা-II মিলাওক।

তালিকা-I	তালিকা-II
(I) যাডবেন্দ্র উদ্যান	(a) মনালী
(II) বিষ্ণু মন্দিৰ	(b) অমৃতসৰ
(III) হিড়িন্মা মন্দিৰ	(c) পিঞ্জোৰ
(IV) হৰি মন্দিৰ	(d) বুনিয়াৰ

**Options :**

70819148377. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819148378. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819148379. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819148380. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

**Question Number : 36 Question Id : 70819114547 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 :**

70819148381. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819148382. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819148383. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819148384. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

**Question Number : 36 Question Id : 70819114547 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

তালিকা-I ৰ সৈতে তালিকা-II মিলাওক।

তালিকা-I	তালিকা-II
(I) মেহৰাণগড় দুৰ্গ	(a) হাইদৰাবাদ
(II) ছিৰি দুৰ্গ	(b) কোলকাটা
(III) গোলকণ্ডা দুৰ্গ	(c) দিল্লী
(IV) উইলিয়াম দুৰ্গ	(d) যোধপুৰ

তলৰ বিকল্পৰ পৰা শুদ্ধ উত্তৰ চয়ন কৰা।

**Options :**

70819148381. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819148382. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819148383. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819148384. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

**Question Number : 37 Question Id : 70819114548 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 :**

70819148385. B.V. Doshi

70819148386. Arundhati Roy

70819148387. Revati Kamat

70819148388. Bimal Patel

**Question Number : 37 Question Id : 70819114548 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

‘গড অফ স্মল থিংছ’ কিতাপখন কোনজন ভাৰতীয় ছাপতাবিদে লিখা ?

**Options :**

70819148385. বি.ভি. ডোশী

70819148386. অৰুন্ধতী বয়

70819148387. বেরাটি কামাট

70819148388. বিমল পেটেল

**Question Number : 38 Question Id : 70819114549 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 :**

70819148389. Gujarat

70819148390. West Bengal

70819148391. Tamil Nadu

70819148392. Rajasthan

**Question Number : 38 Question Id : 70819114549 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

‘ঝৰোখা’ প্ৰকাৰৰ খিড়কীখন সাধাৰণতে ক’ত পোৱা যায় ?

**Options :**

70819148389. গুজৰাট

70819148390. পশ্চিম বংগ

70819148391. তামিল নাড়ু

70819148392. ৰাজস্থান

**Question Number : 39 Question Id : 70819114550 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 :**

70819148393. North-West side

70819148394. South-East side

70819148395. North side

70819148396. South-West side

**Question Number : 39 Question Id : 70819114550 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

কোন দিশৰ পৰা মৌচুমী বায়ু ভাৰতীয় উপকূলত প্ৰবেশ কৰে ?

**Options :**

70819148393. উত্তৰ পশ্চিম দিশ

70819148394. দক্ষিণ-পূৱ দিশ

70819148395. উত্তৰ দিশ

70819148396. দক্ষিণ-পশ্চিম দিশ

**Question Number : 40 Question Id : 70819114551 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 :**

70819148397. Bharat Bhavan in Bhopal

70819148398. LIC Building in Delhi

70819148399. Charminar in Hyderabad

70819148400. Victoria Memorial in Kolkata

Question Number : 40 Question Id : 70819114551 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

নিম্নলিখিত কোনটো অট্টালিকাত, উপনিবেশিক বচনা শৈলীর উমান পোরা যায় ?

Options :

70819148397. ভাৰত ভৱন, ভোপাল

70819148398. এল.আই.চি. বিল্ডিং, দিল্লী

70819148399. চাৰমিনাৰ, হাইদৰাবাদ

70819148400. ভিক্ট'ৰিয়া মেম'ৰিয়েল, কোলকাতা

Question Number : 41 Question Id : 70819114552 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 :

70819148401.  $420 \times 590$  (mm  $\times$  mm)

70819148402.  $420 \times 594$  (mm  $\times$  mm)

70819148403.  $297 \times 420$  (mm  $\times$  mm)

70819148404.  $420 \times 592$  (mm  $\times$  mm)

Question Number : 41 Question Id : 70819114552 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'A2' ছবি অকা কাগজৰ মাপ কি হয় ?

Options :

70819148401.  $420 \times 590$  (মি.মি.  $\times$  মি.মি.)

70819148402.  $420 \times 594$  (মি.মি.  $\times$  মি.মি.)

70819148403.  $297 \times 420$  (মি.মি.  $\times$  মি.মি.)

70819148404.  $420 \times 592$  (মি.মি.  $\times$  মি.মি.)

Question Number : 42 Question Id : 70819114553 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 :

70819148405. Chittor fort

70819148406. Jaigarh fort

70819148407. Bhangarh fort

70819148408. Amer fort

Question Number : 42 Question Id : 70819114553 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ভিক্ট'ৰি টাৱাৰ নিম্নলিখিত কোনটো দুৰ্গৰ অন্তৰ্গত ?

**Options :**

70819148405. চিত্তোৰ দুৰ্গ

70819148406. জয়গড় দুৰ্গ

70819148407. ভানগড় দুৰ্গ

70819148408. আমেৰ দুৰ্গ

**Question Number : 43 Question Id : 70819114554 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 :**

70819148409. Sanjay Puri

70819148410. Vikram Lall

70819148411. Ashok Lall

70819148412. C. Sompura

**Question Number : 43 Question Id : 70819114554 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

নিম্নলিখিত কোনজন স্থাপত্যবিদে 'অক্ষৰধাম মন্দিৰ' ৰ সংৰচনা কৰিছে ?

**Options :**

70819148409. সঞ্জয় পূৰী

70819148410. বিক্রম লাল

70819148411. অশোক লাল

70819148412. চি. সোমপুৰা

**Question Number : 44 Question Id : 70819114555 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

'Volume Zero' Documentary is on which Architect ?

**Options :**

70819148413. Charles Correa

70819148414. Richard Mier

70819148415. Jasbir Sachdev

70819148416. Ranjit Sabliki

**Question Number : 44 Question Id : 70819114555 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

'ভলিয়ুম জিৰ' তথ্যচিত্ৰখন কোনজন স্থাপত্যবিদৰ ওপৰত নিৰ্মিত ?

**Options :**

70819148413. চাৰ্লস কোৰিয়া

70819148414. ৰিচাৰ্ড মিয়াৰ

70819148415. জচবিৰ ছচডেব

70819148416. বঞ্জিত সবলিকি

Question Number : 45 Question Id : 70819114556 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'Agenda 21' is declaration related with :

Options :

70819148417. Climate change

70819148418. Global warming

70819148419. Sustainable development

70819148420. Smart city

Question Number : 45 Question Id : 70819114556 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'এজেণ্ডা 21' ঘোষণাটি কাৰ লগত সম্পৰ্কিত ?

Options :

70819148417. জলবায়ু পৰিবৰ্তন

70819148418. বিশ্ব উষ্ণতা বৃদ্ধি

70819148419. প্ৰাকৃতিক ভাৰসাম্যতা উন্নয়ন

70819148420. স্মাৰ্ট চহৰ

**Question Number : 46 Question Id : 70819114557 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 :**

70819148421. Karnataka

70819148422. Orissa

70819148423. Maharashtra

70819148424. Uttar Pradesh

**Question Number : 46 Question Id : 70819114557 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

সোণৰ খনি ভাৰতৰ কোনখন ৰাজ্যত অৱস্থিত ?

**Options :**

70819148421. কৰ্ণাটক

70819148422. উৰিষ্যা

70819148423. মহাৰাষ্ট্ৰ

70819148424. উত্তৰ প্ৰদেশ

Question Number : 47 Question Id : 70819114558 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 :

70819148425. North

70819148426. South

70819148427. East

70819148428. West

Question Number : 47 Question Id : 70819114558 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

দক্ষিণ গোলার্ধৰ ছায়াবিহীন পোহৰ কোন দিশৰ পৰা আহে ?

Options :

70819148425. উত্তৰ

70819148426. দক্ষিণ

70819148427. পূৰ্ব

70819148428. পশ্চিম

Question Number : 48 Question Id : 70819114559 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 :

70819148429. B.V. Doshi

70819148430. Laurie Baker

70819148431. Raj Rewal

70819148432. Achyut Kanvinde

Question Number : 48 Question Id : 70819114559 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

প্রথম ভারতীয় স্থাপত্যবিদ যিয়ে 2018 প্ৰিট্জকাৰ পুৰস্কাৰ জয় কৰিছে :

Options :

70819148429. বি.ভি. দেশী

70819148430. লৰি বেকাৰ

70819148431. ৰাজ ৰিৱাল

70819148432. অচ্যুত কানবিন্দে

Question Number : 49 Question Id : 70819114560 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Word "Bungalow" has originated from :

Options :

70819148433. Bengalurm

70819148434. Banaras

70819148435. Bengal

70819148436. Bari

Question Number : 49 Question Id : 70819114560 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'বাংলো' (Bungalow) শব্দটি ক'র পৰা লোৱা হৈছে ?

Options :

70819148433. বেংগালুৰু

70819148434. বেনাৰস

70819148435. বেংগল

70819148436. বাৰী

Question Number : 50 Question Id : 70819114561 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 :

70819148437. Laurie Baker

70819148438. Louis Kahn

70819148439. Lutyen

70819148440. Le Corbusier

Question Number : 50 Question Id : 70819114561 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

আই.আই.এম.-আহমেডাবাদ তলৰ কোনজন স্থাপত্যবিদে পৰিকল্পনা কৰিছে ?

Options :

70819148437. লৰি বেকাৰ

70819148438. লুই কাহন

70819148439. লুটিয়েন

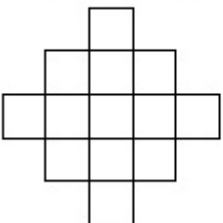
70819148440. লি কাৰবুছিয়াৰ

Question Number : 51 Question Id : 70819114562 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 :

70819148441. 14

70819148442. 13

70819148443. 15

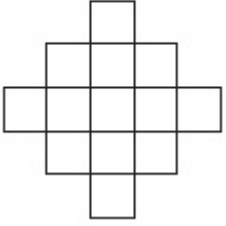
70819148444. 18

Question Number : 51 Question Id : 70819114562 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

নিম্নলিখিত চিত্রত কেইটা চতুর্ভুজ আছে ?



Options :

70819148441. 14

70819148442. 13

70819148443. 15

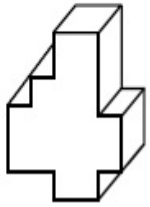
70819148444. 18

Question Number : 52 Question Id : 70819114563 Question Type : MCQ Option Shuffling : Yes

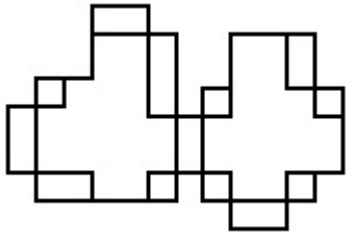
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

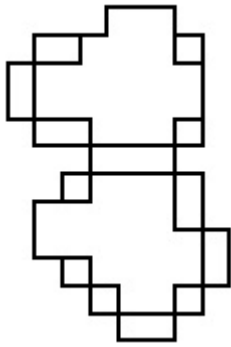
A drawing is provided with all the folds to construct the following three Dimensional object.  
Select the correct one.



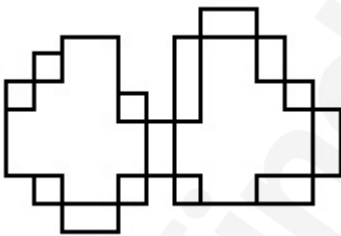
Options :



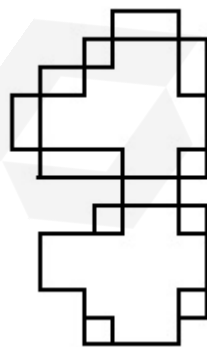
70819148445.



70819148446.



70819148447.



70819148448.

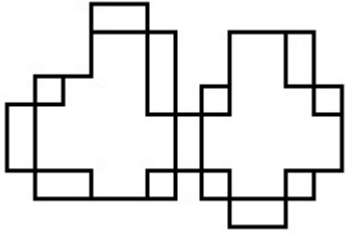
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

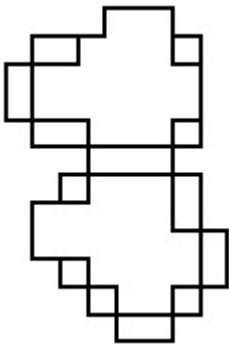
এটা চিত্র বহু ভাঁজ কৰি তলত দিয়া 3D আকৃতি গঢ়ি তোলা হৈছে। সঠিক চিত্ৰটো বাছি উলিওৱা।



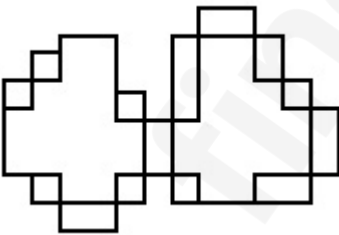
Options :



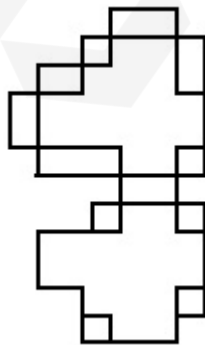
70819148445.



70819148446.



70819148447.



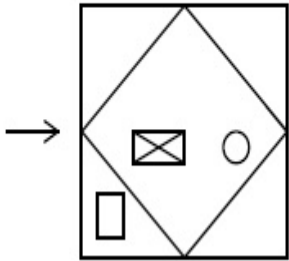
70819148448.

Question Number : 53 Question Id : 70819114564 Question Type : MCQ Option Shuffling : Yes

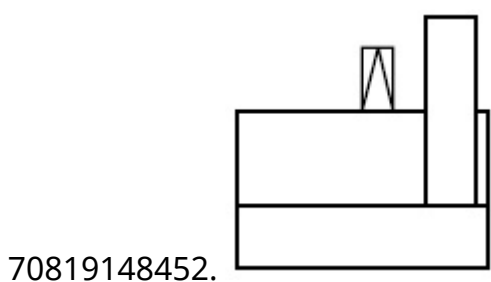
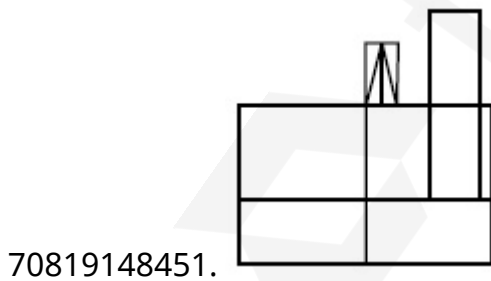
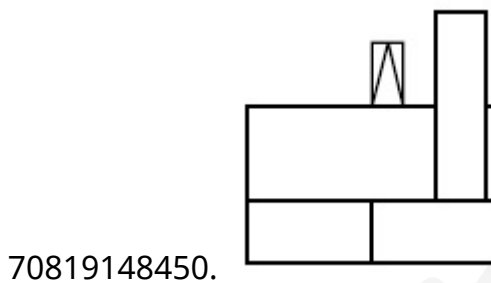
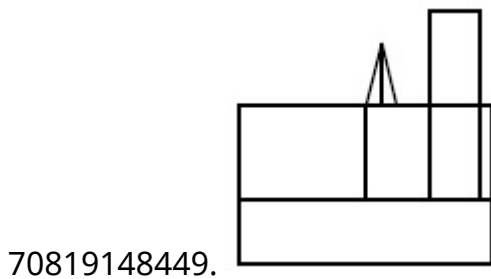
Is Question Mandatory : No

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.



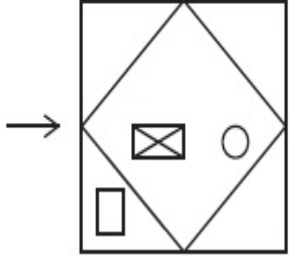
Options :



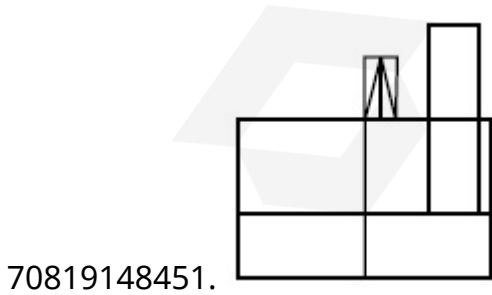
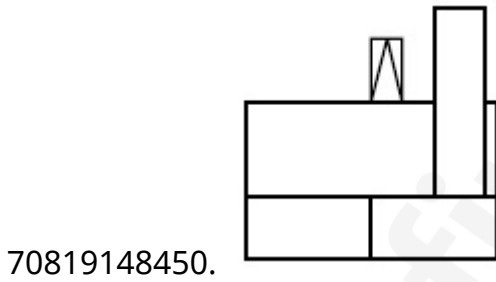
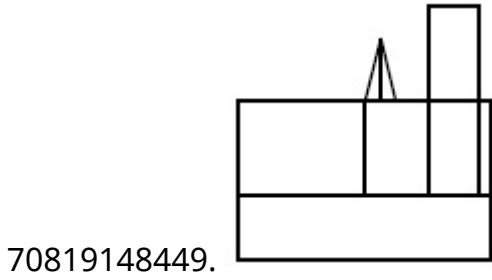
Question Number : 53 Question Id : 70819114564 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

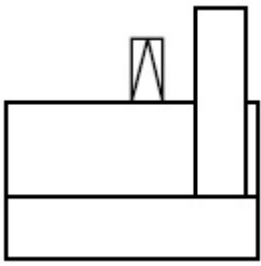
প্ৰশ্ন চিত্ৰটো এটা আকৃতিৰ উপৰ দিশৰ পৰা লোৱা হৈছে। তলৰ উত্তৰ চিত্ৰসমূহৰ, কাঁড় চিহ্নৰ দিশৰ পৰা সঠিক চিত্ৰটো চিনাক্ত কৰা।



Options :



70819148452.

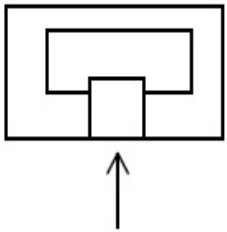


Question Number : 54 Question Id : 70819114565 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

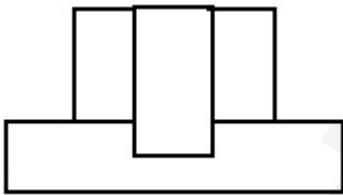
Correct Marks : 4 Wrong Marks : 1

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

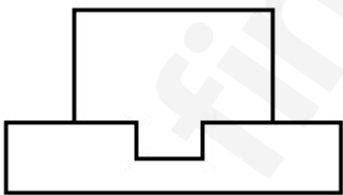


Options :

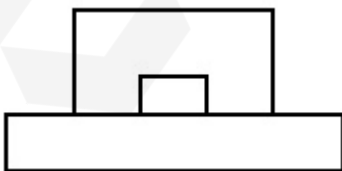
70819148453.



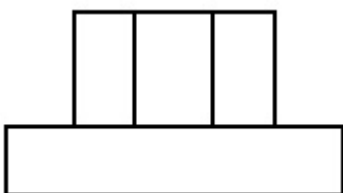
70819148454.



70819148455.



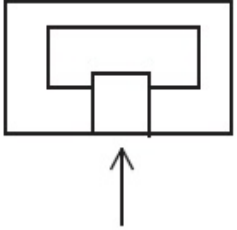
70819148456.



Question Number : 54 Question Id : 70819114565 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

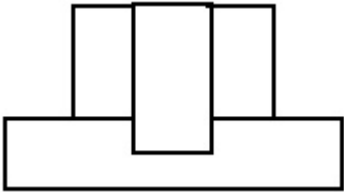
Correct Marks : 4 Wrong Marks : 1

এই প্রশ্নচিত্রটো এটা আকৃতিৰ ওপৰৰ পৰা লোৱা চিত্ৰ। কাঁড় চিহ্নৰ দিশৰ পৰা, শুদ্ধ উত্তৰ চিত্ৰটো বাছি উলিওৱা।

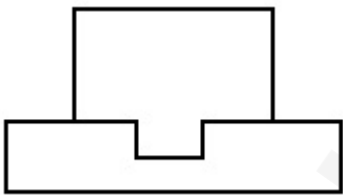


Options :

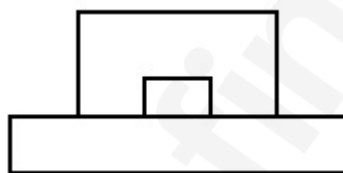
70819148453.



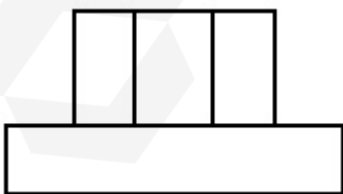
70819148454.



70819148455.



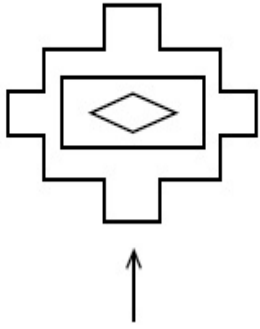
70819148456.



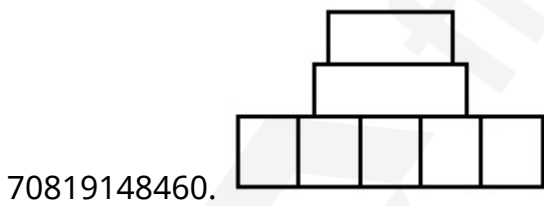
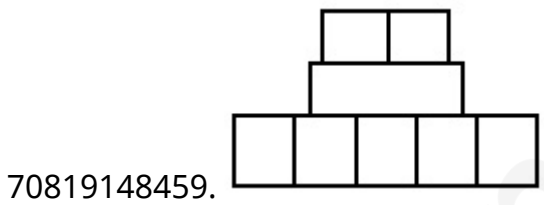
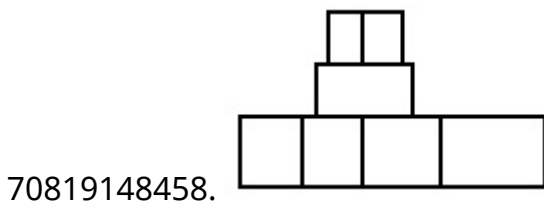
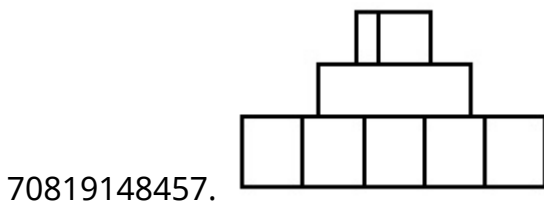
Question Number : 55 Question Id : 70819114566 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

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

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



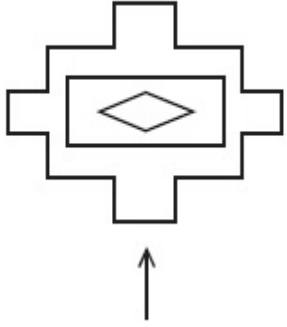
**Options :**



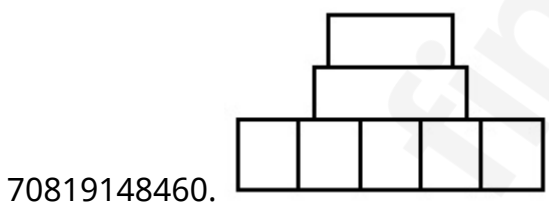
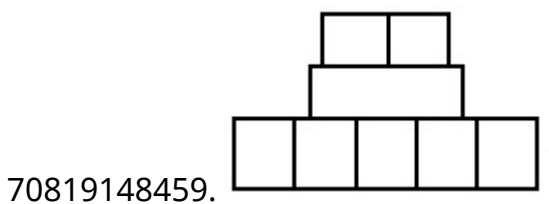
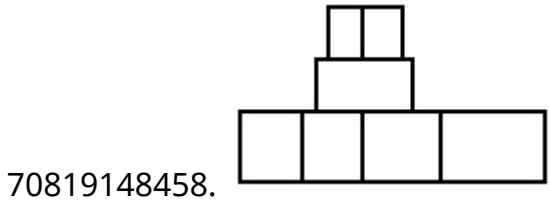
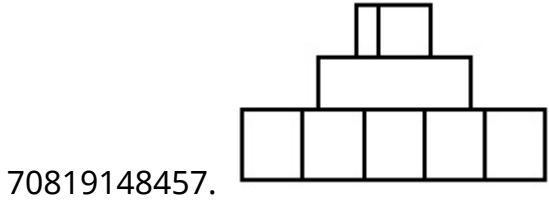
**Question Number : 55 Question Id : 70819114566 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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



Options :

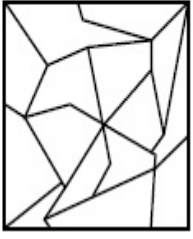


Question Number : 56 Question Id : 70819114567 Question Type : MCQ Option Shuffling : Yes

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 :

70819148461.

70819148462.

70819148463.

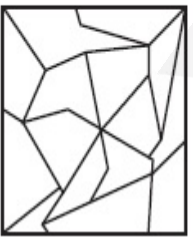
70819148464.

Question Number : 56 Question Id : 70819114567 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

নিম্নলিখিত উত্তৰ চিত্ৰৰ যিকোনো এটা চিত্ৰ প্ৰশ্ন চিত্ৰত লুকাই আছে যাৰ একে সমান মাপ আৰু দিশ আছে। সঠিক চিত্ৰটো চিনাক্ত কৰা।



Options :

70819148461.

70819148462.



70819148463.



70819148464.

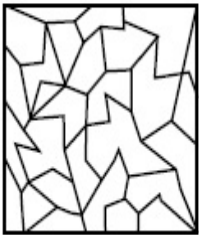


**Question Number : 57 Question Id : 70819114568 Question Type : MCQ Option Shuffling : Yes**

**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 :**

70819148465.



70819148466.



70819148467.



70819148468.

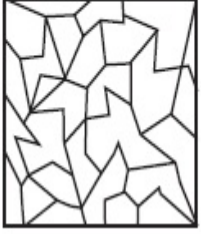


Question Number : 57 Question Id : 70819114568 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

নিম্নলিখিত চিত্রৰ যিকোনো এটা চিত্ৰ প্ৰশ্ন চিত্ৰত লুকাই আছে যাৰ একে মাপ আৰু একে দিশ আছে। সঠিক চিত্ৰটো চিনাক্ত কৰা।



Options :

70819148465.

70819148466.

70819148467.

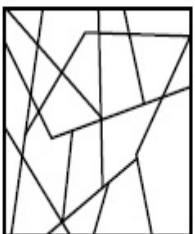
70819148468.

Question Number : 58 Question Id : 70819114569 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 :

70819148469.



70819148470.



70819148471.



70819148472.

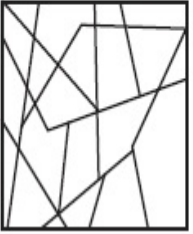


**Question Number : 58 Question Id : 70819114569 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

নিম্নলিখিত চিত্রের যিকোনো এটা চিত্র প্রশ্ন চিত্রত লুকাই আছে, যার একে মাপ আৰু একে দিশ আছে। সঠিক চিত্রটো চিনাক্ত কৰা।



**Options :**

70819148469.



70819148470.



70819148471.



70819148472.

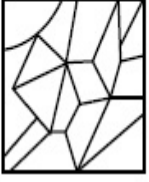


Question Number : 59 Question Id : 70819114570 Question Type : MCQ Option Shuffling : Yes


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 :

70819148473. 

70819148474. 

70819148475. 

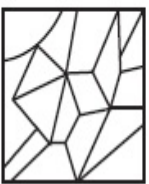
70819148476. 

Question Number : 59 Question Id : 70819114570 Question Type : MCQ Option Shuffling : Yes


Is Question Mandatory : No


Correct Marks : 4 Wrong Marks : 1


নিম্নলিখিত চিত্রৰ যিকোনো এটা চিত্ৰ প্ৰশ্ন চিত্ৰত লুকাই আছে, যাৰ একে মাপ আৰু একে দিশ আছে। সঠিক চিত্ৰটো চিনাক্ত  
কৰা।




Options :

70819148473. 

70819148474. 

70819148475. 

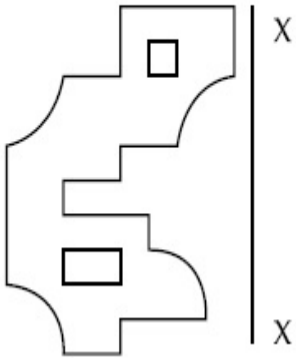
70819148476. 

**Question Number : 60 Question Id : 70819114571 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 ?

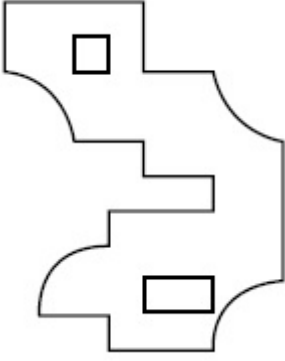
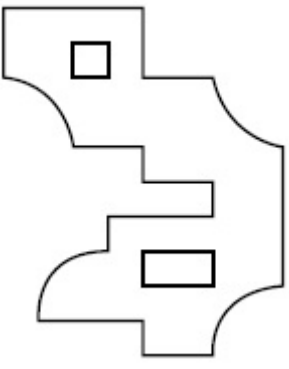


**Options :**

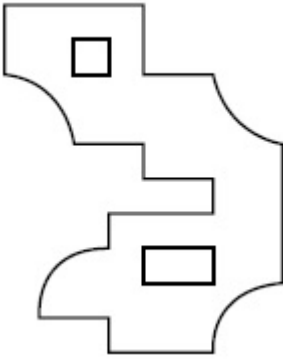


70819148477.

70819148478.



70819148479.



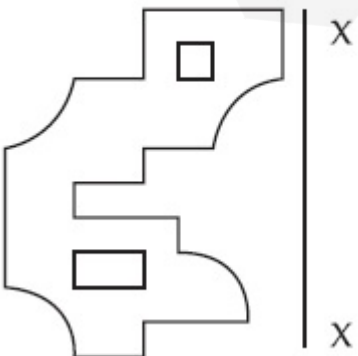
70819148480.

Question Number : 60 Question Id : 70819114571 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

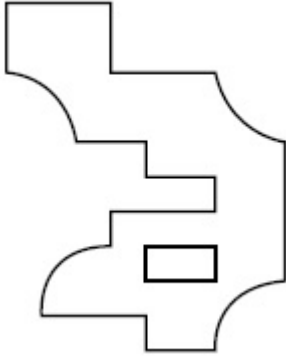
Correct Marks : 4 Wrong Marks : 1

তলৰ কোনটো প্রতিকৃতি প্রশ্নত দিয়া চিত্রৰ X-X ৰেখাৰ সাপেক্ষে শুদ্ধ প্রতিবিন্দ ?

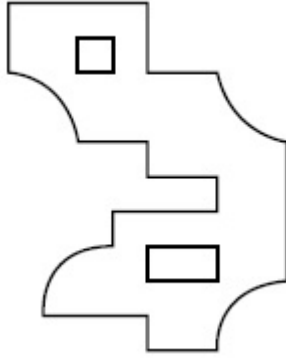


Options :

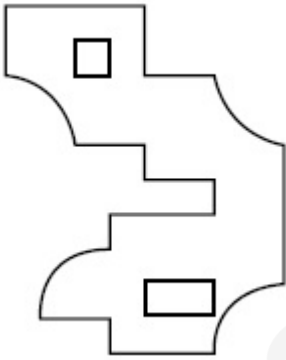
70819148477.



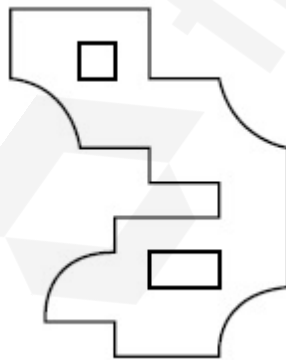
70819148478.



70819148479.

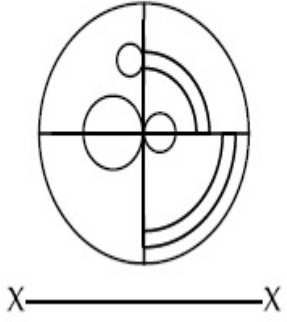


70819148480.

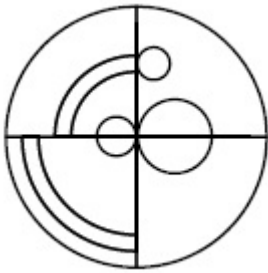


Correct Marks : 4 Wrong Marks : 1

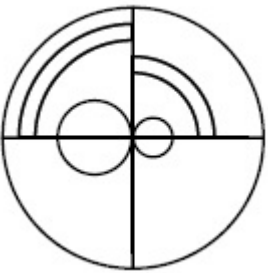
Which one of the answer figures is the correct mirror image of the problem figure with respect to X-X ?



Options :



70819148481.



70819148482.



70819148483.



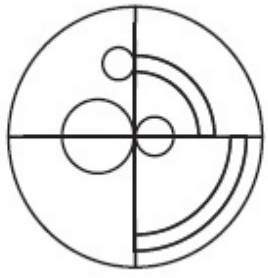
70819148484.

Question Number : 61 Question Id : 70819114572 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

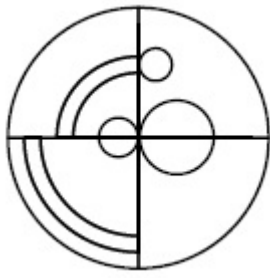
Correct Marks : 4 Wrong Marks : 1

নিম্ন অঙ্কিত চিত্রৰ মাজৰ কোনটো চিত্ৰ প্ৰশ্নত দিয়া চিত্ৰৰ X-X বেখাৰ পৰিপ্ৰেক্ষিতত শুদ্ধ প্ৰতিবিন্দু ?

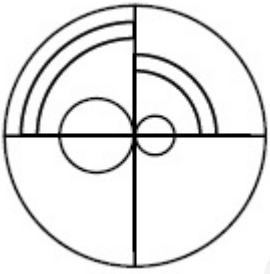


X-----X

Options :



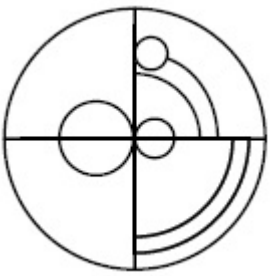
70819148481.



70819148482.



70819148483.

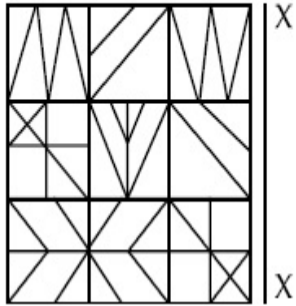


70819148484.

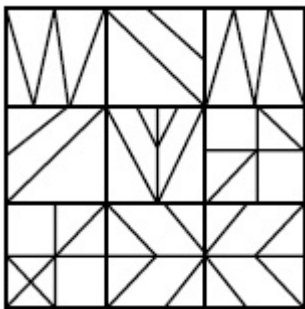
Question Number : 62 Question Id : 70819114573 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

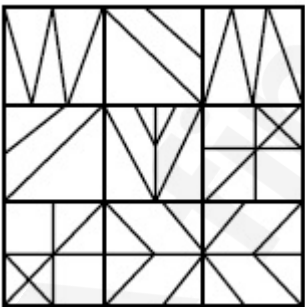
Which one of the answer figures is the correct mirror image of the problem figure with respect to X-X ?



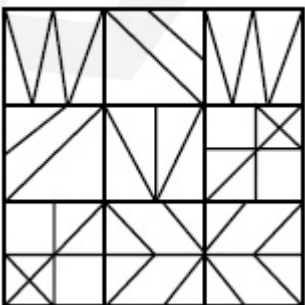
Options :



70819148485.

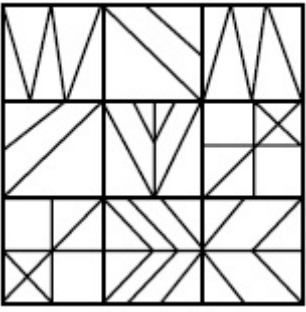


70819148486.



70819148487.

70819148488.

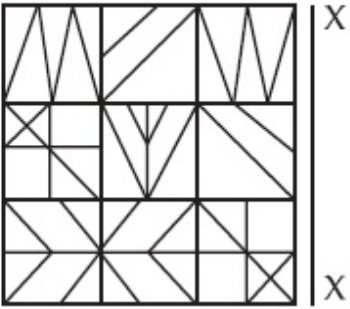


Question Number : 62 Question Id : 70819114573 Question Type : MCQ Option Shuffling : Yes

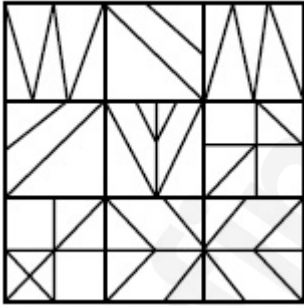
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

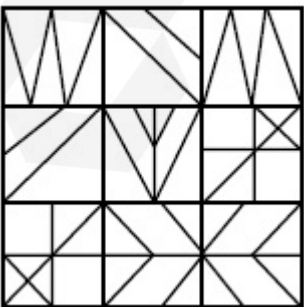
নিম্ন অঙ্কিত চিত্রৰ মাজৰ কোনটো চিত্ৰ প্ৰশ্নত দিয়া চিত্ৰৰ X-X ৰেখাৰ পৰিপ্ৰেক্ষিতত শুদ্ধ প্ৰতিবিন্দু ?



Options :

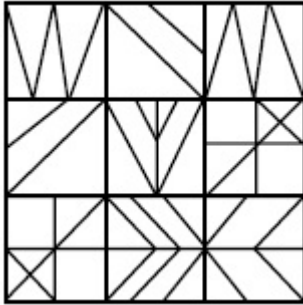
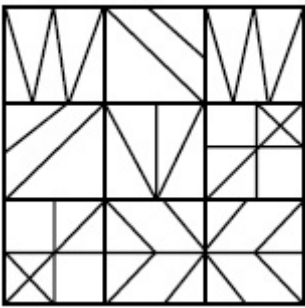


70819148485.



70819148486.

70819148487.



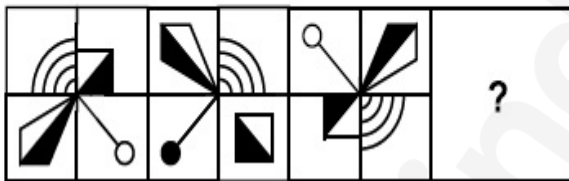
70819148488.

Question Number : 63 Question Id : 70819114574 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 :



70819148489.



70819148490.

70819148491.



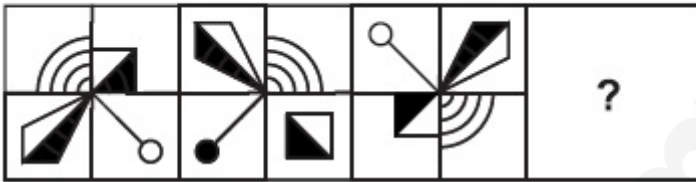
70819148492.

Question Number : 63 Question Id : 70819114574 Question Type : MCQ Option Shuffling : Yes

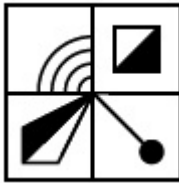
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

চিনাক্ত কৰা তলৰ কোনটো চিত্ৰই প্ৰশ্নত দিয়া চিত্ৰৰ অনুক্ৰম সম্পূৰ্ণ কৰিব ?



Options :



70819148489.



70819148490.



70819148491.

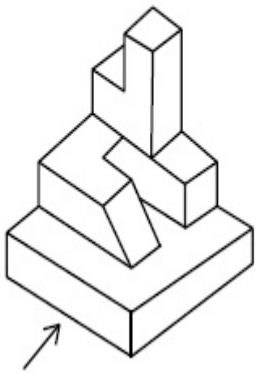
70819148492.



Question Number : 64 Question Id : 70819114575 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

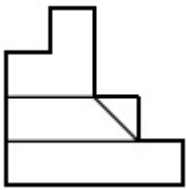
Correct Marks : 4 Wrong Marks : 1

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

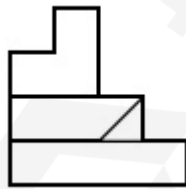


Options :

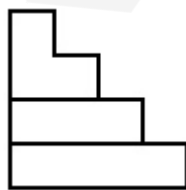
70819148493.



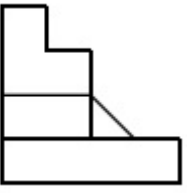
70819148494.



70819148495.



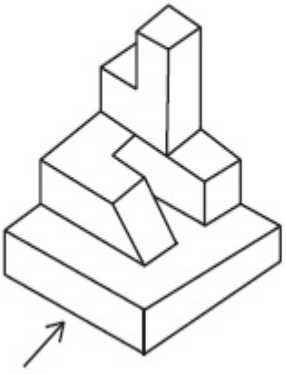
70819148496.



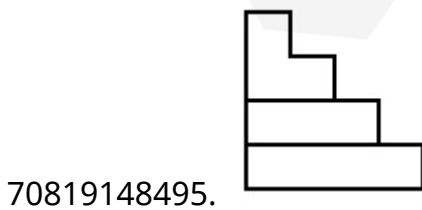
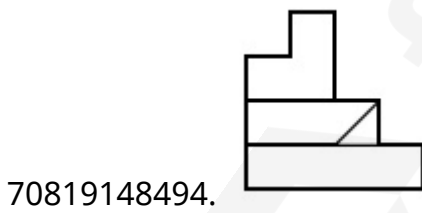
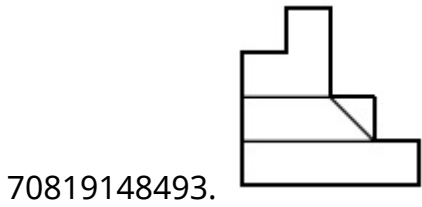
Question Number : 64 Question Id : 70819114575 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

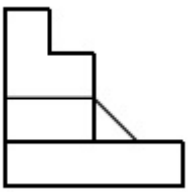
প্রশ্নত দিয়া ছবিটো এটা 3D আকৃতি। কাঁড় চিহ্নৰ দিশৰ পৰা তলৰ কোনটো চিত্ৰ শুদ্ধ হ'ব, বাছি উলিওৱা।



Options :



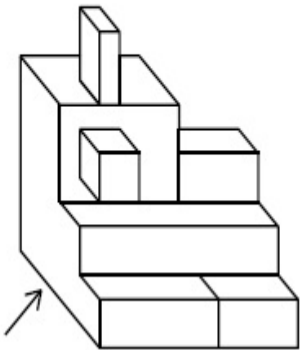
70819148496.



Question Number : 65 Question Id : 70819114576 Question Type : MCQ Option Shuffling : Yes  
 Is Question Mandatory : No

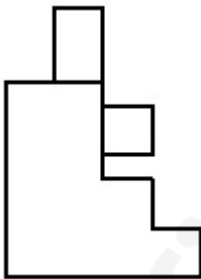
Correct Marks : 4 Wrong Marks : 1

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

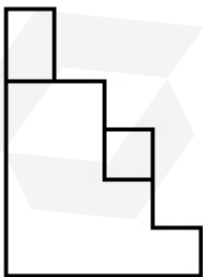


Options :

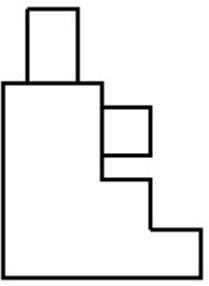
70819148497.



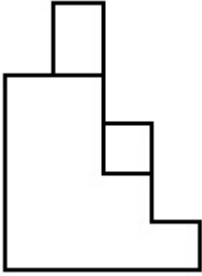
70819148498.



70819148499.



70819148500.

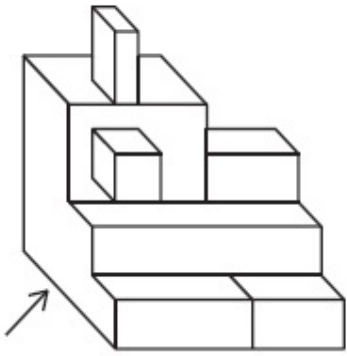


Question Number : 65 Question Id : 70819114576 Question Type : MCQ Option Shuffling : Yes

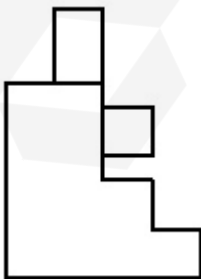
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

তলত দিয়া চিত্ৰটো 3D চিত্ৰ হয়। কাঁড় চিহ্নৰ দিশৰ পৰা তলৰ কোনটো চিত্ৰ শুদ্ধ হ'ব, বাছি উলিওৱা।

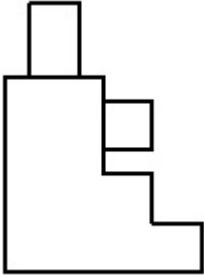
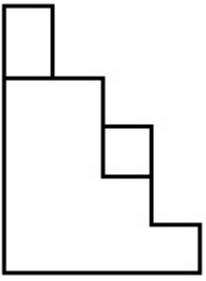


Options :

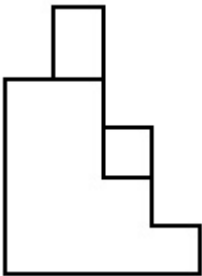


70819148497.

70819148498.



70819148499.

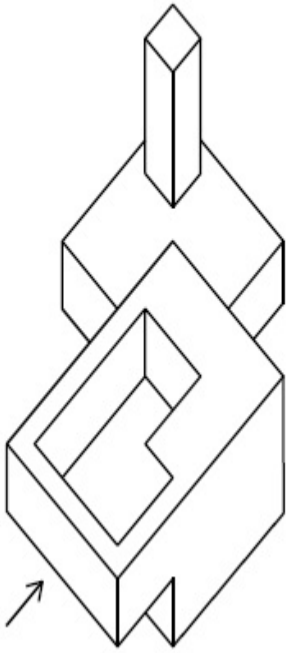


70819148500.

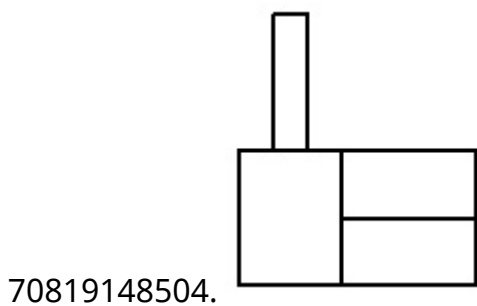
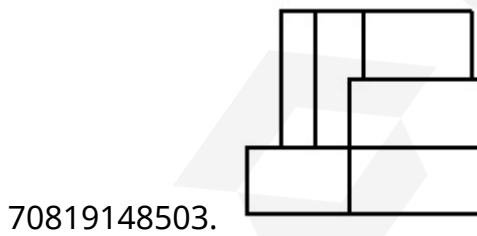
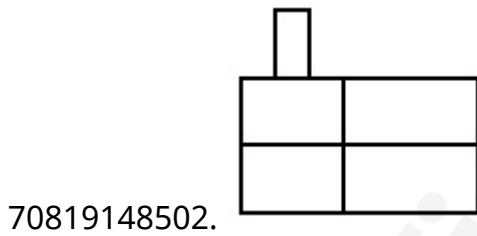
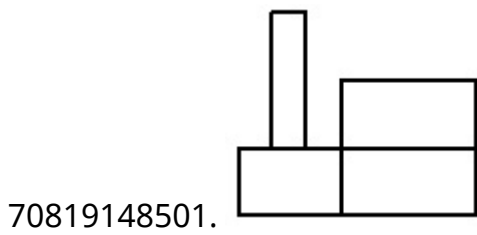
**Question Number : 66 Question Id : 70819114577 Question Type : MCQ Option Shuffling : Yes**  
**Is Question Mandatory : No**  
**Correct Marks : 4 Wrong Marks : 1**



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



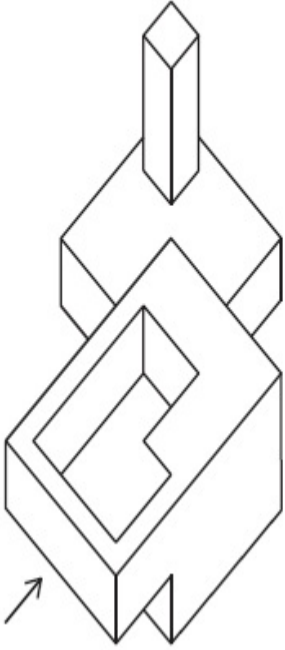
Options :



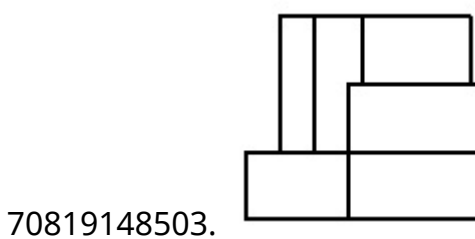
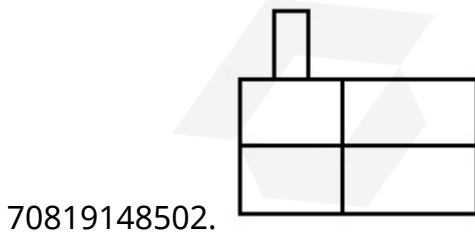
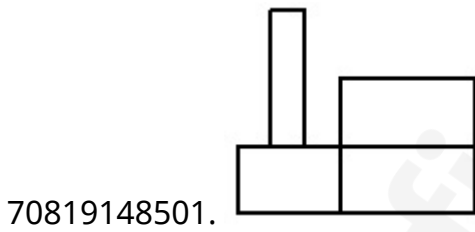
Question Number : 66 Question Id : 70819114577 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

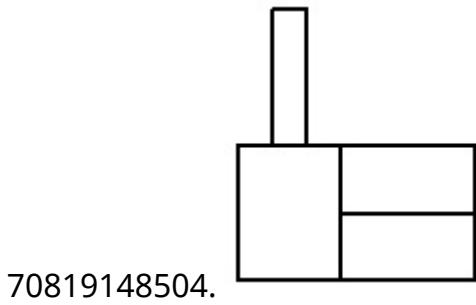
Correct Marks : 4 Wrong Marks : 1

প্রশ্নত দিয়া ছবিটো এটা 3D আকৃতিৰ ছবি। কাঁড় চিহ্নৰ দিশৰ পৰা সেই দিশত তলত দিয়া চিত্ৰৰ মাজৰ শুদ্ধ চিত্ৰটো বাছি উলিওৱা।



Options :



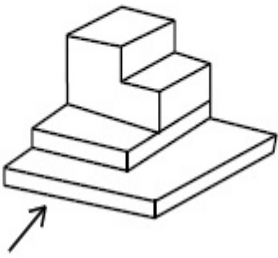


Question Number : 67 Question Id : 70819114578 Question Type : MCQ Option Shuffling : Yes

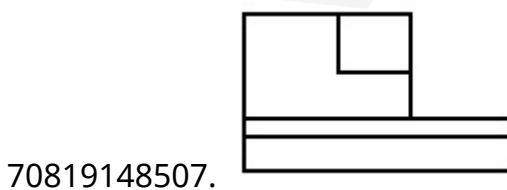
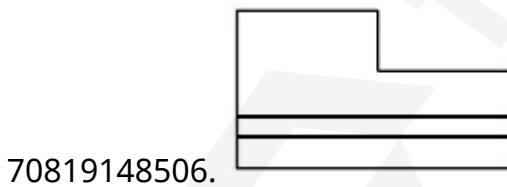
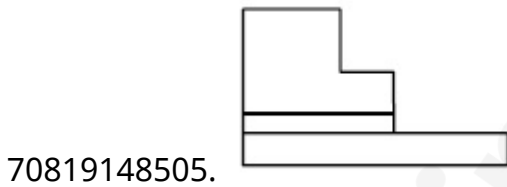
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

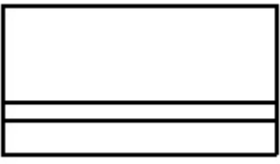
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



Options :



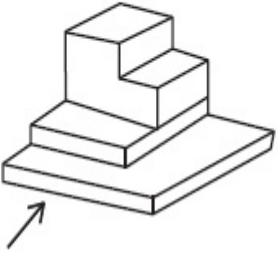
70819148508.



Question Number : 67 Question Id : 70819114578 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

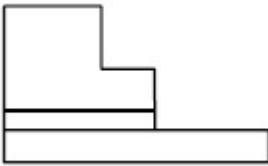
Correct Marks : 4 Wrong Marks : 1

তলৰ চিত্ৰটো এটা 3D আকৃতিৰ চিত্ৰ। কাঁড় চিহ্নৰ দিশৰ পৰা সেই দিশত তলত দিয়া চিত্ৰৰ মাজৰ পৰা শুদ্ধ চিত্ৰটো বাছি উলিওৱা।



Options :

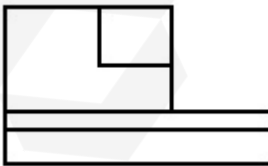
70819148505.



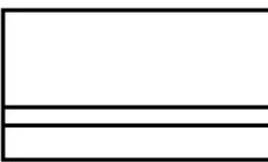
70819148506.



70819148507.



70819148508.

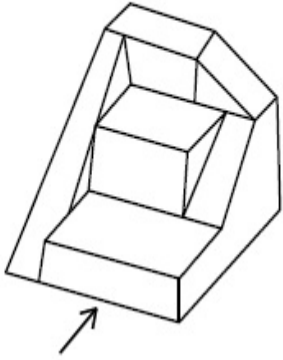


Question Number : 68 Question Id : 70819114579 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

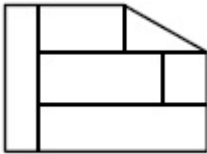
Correct Marks : 4 Wrong Marks : 1

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

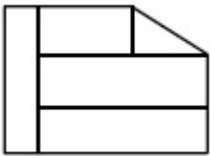


Options :

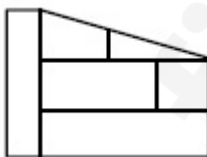
70819148509.



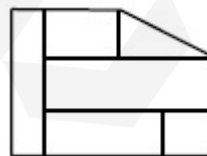
70819148510.



70819148511.



70819148512.

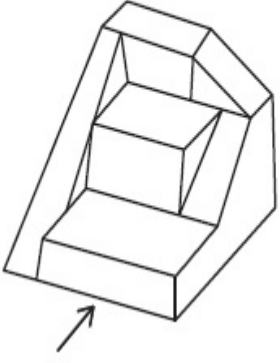


Question Number : 68 Question Id : 70819114579 Question Type : MCQ Option Shuffling : Yes

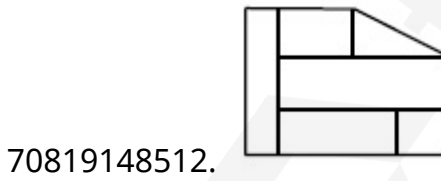
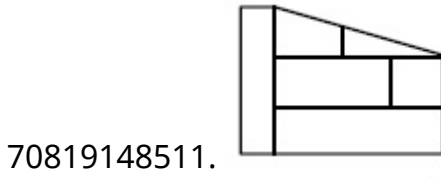
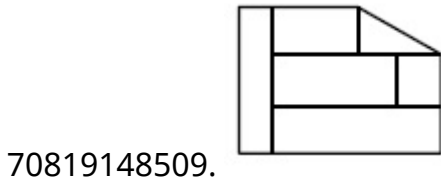
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

তলৰ চিত্ৰটো এটা 3D আকৃতিৰ চিত্ৰ। কাঁড় চিহ্নৰ দিশৰ পৰা সেই দিশত তলত দিয়া চিত্ৰৰ মাজৰ পৰা শুদ্ধ চিত্ৰটো বাছি উলিওৱা।



Options :

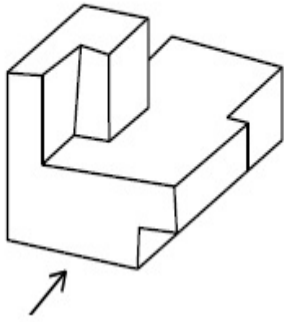


Question Number : 69 Question Id : 70819114580 Question Type : MCQ Option Shuffling : Yes

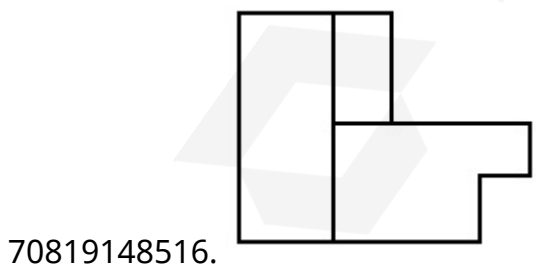
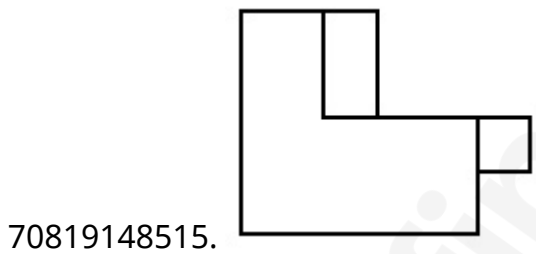
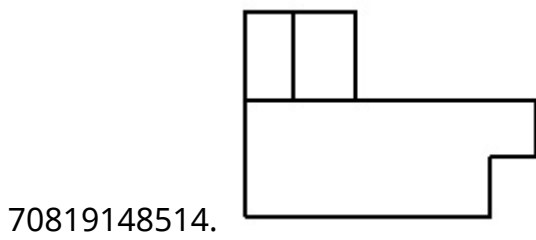
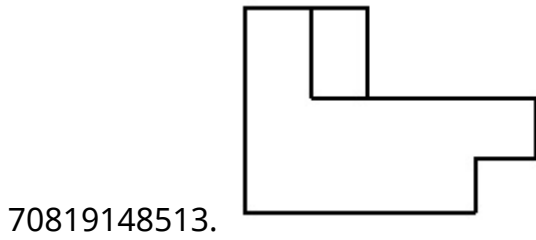
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



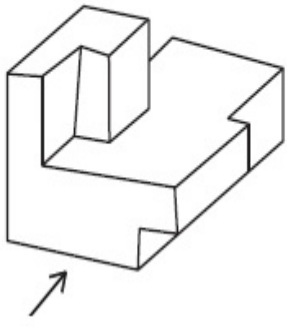
Options :



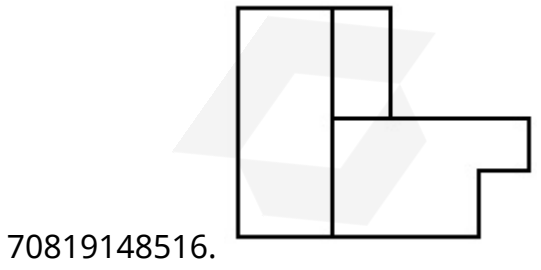
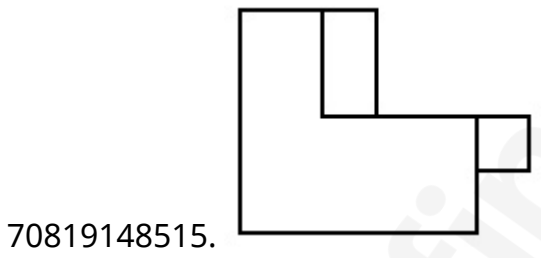
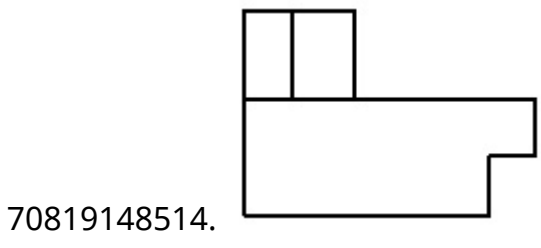
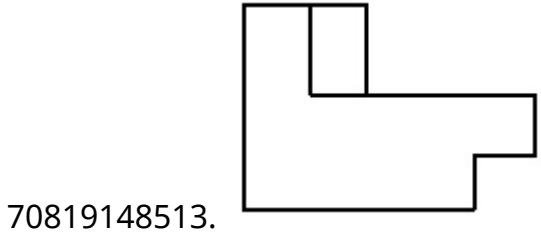
Question Number : 69 Question Id : 70819114580 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

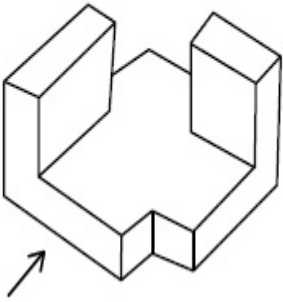


Options :

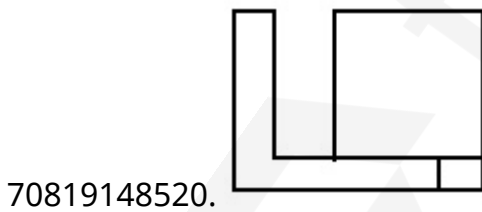
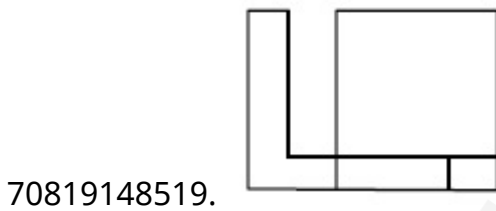
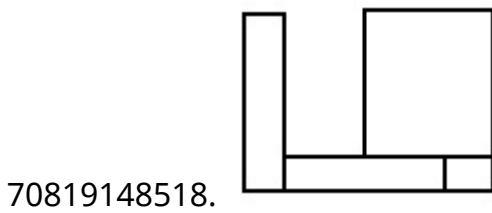
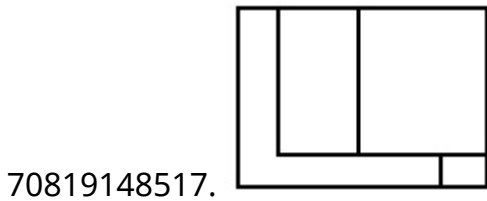


Correct Marks : 4 Wrong Marks : 1

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



Options :

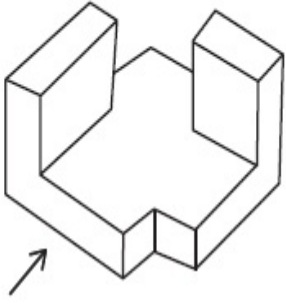


Question Number : 70 Question Id : 70819114581 Question Type : MCQ Option Shuffling : Yes

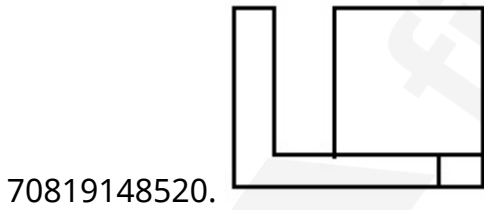
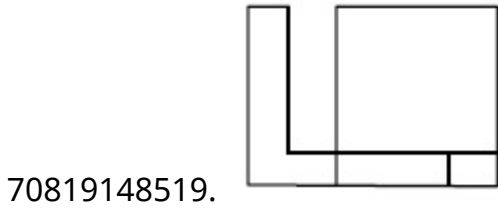
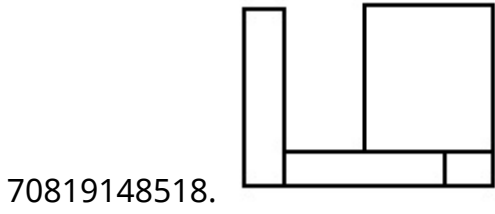
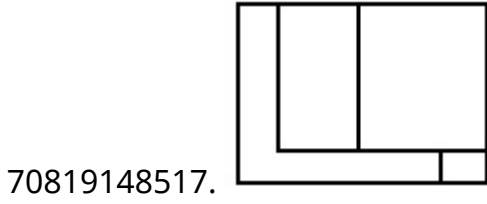
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

তলৰ চিত্ৰটো এটা 3D আকৃতিৰ চিত্ৰ। কাঁড় চিহ্নৰ দিশৰ পৰা সেই দিশত তলত দিয়া চিত্ৰৰ মাজৰ পৰা চিত্ৰটোৰ মাজেৰে উলিওৱা।



Options :

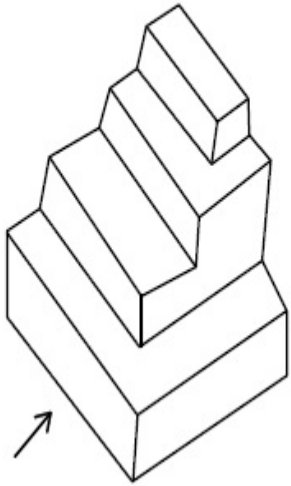


Question Number : 71 Question Id : 70819114582 Question Type : MCQ Option Shuffling : Yes

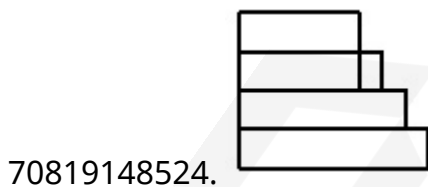
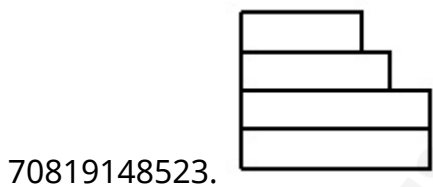
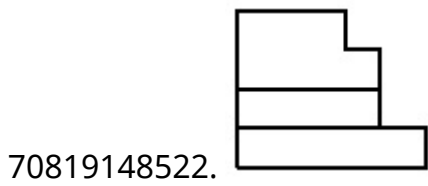
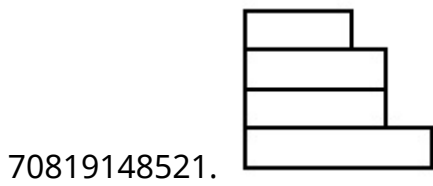
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

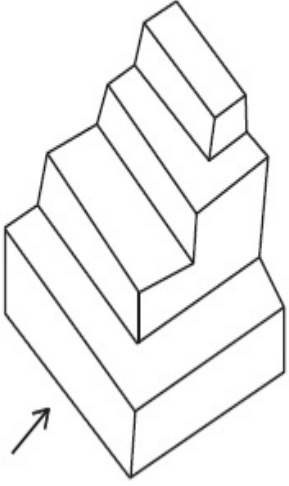


Question Number : 71 Question Id : 70819114582 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

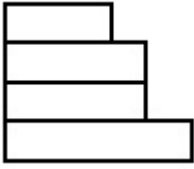
Correct Marks : 4 Wrong Marks : 1

তলত দিয়া চিত্ৰটো এটা 3D আকৃতিৰ চিত্ৰ। কাঁড় চিহ্নৰ দিশৰ পৰা সেই দিশত তলত দিয়া চিত্ৰৰ মাজৰ পৰা শুদ্ধ চিত্ৰটো বাছি উলিওৱা।

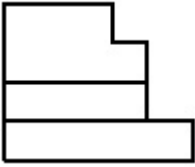


Options :

70819148521.



70819148522.



70819148523.



70819148524.

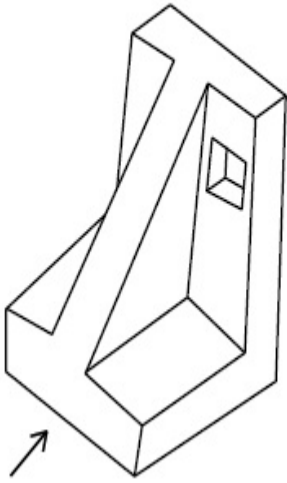


Question Number : 72 Question Id : 70819114583 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

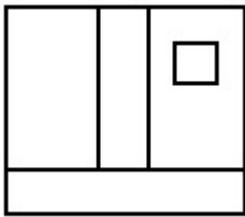
Correct Marks : 4 Wrong Marks : 1

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

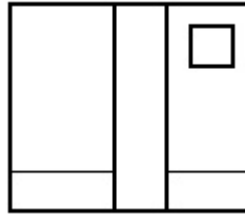


Options :

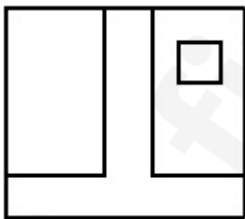
70819148525.



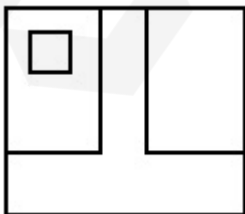
70819148526.



70819148527.



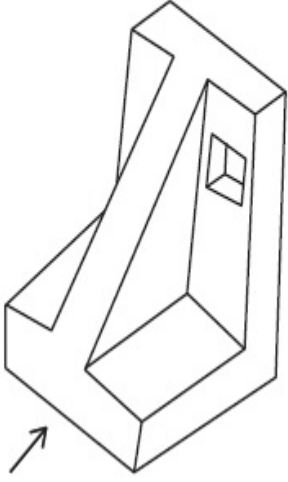
70819148528.



Is Question Mandatory : No

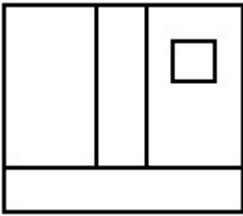
Correct Marks : 4 Wrong Marks : 1

তলত দিয়া চিত্ৰটো এটা 3D আকৃতিৰ চিত্ৰ। কাঁড় চিহ্নৰ দিশৰ পৰা সেই দিশত তলত দিয়া চিত্ৰৰ মাজৰ পৰা শুদ্ধ চিত্ৰটো বাছি উলিওৱা।

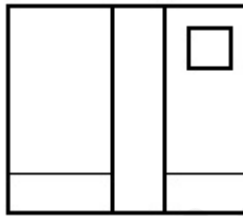


Options :

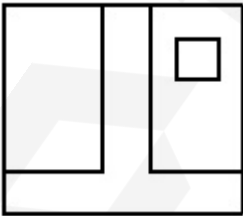
70819148525.



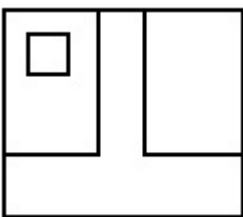
70819148526.



70819148527.



70819148528.

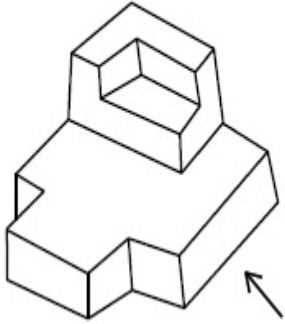


Question Number : 73 Question Id : 70819114584 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

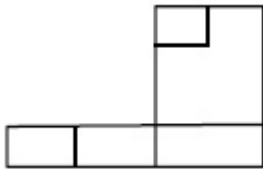
Correct Marks : 4 Wrong Marks : 1

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

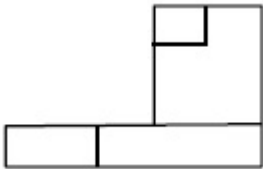


Options :

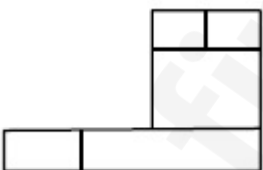
70819148529.



70819148530.



70819148531.



70819148532.

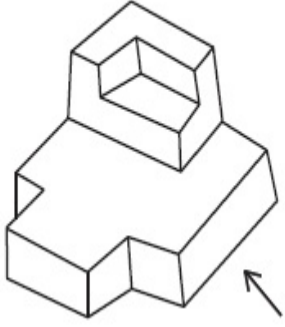


Question Number : 73 Question Id : 70819114584 Question Type : MCQ Option Shuffling : Yes

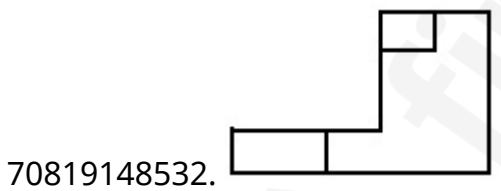
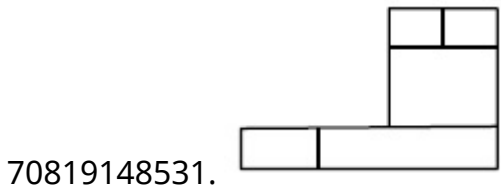
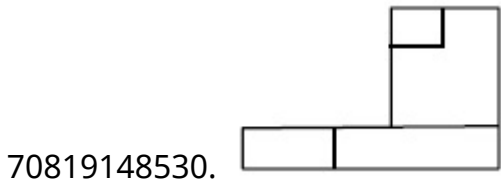
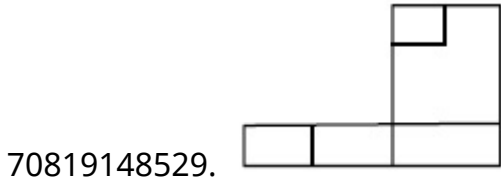
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

তলত দিয়া চিত্ৰটো এটা 3D আকৃতিৰ চিত্ৰ। কাঁড় চিহ্নৰ দিশত তলত দিয়া চিত্ৰৰ মাজৰ পৰা শুদ্ধ চিত্ৰটো বাছি উলিওৱা।



Options :

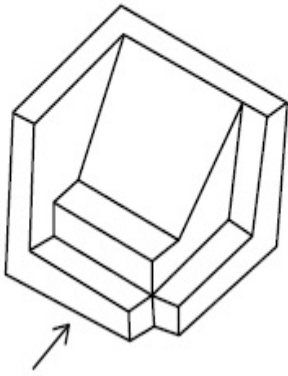


Question Number : 74 Question Id : 70819114585 Question Type : MCQ Option Shuffling : Yes

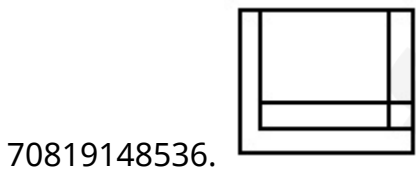
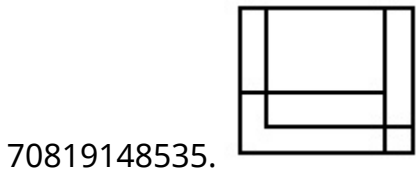
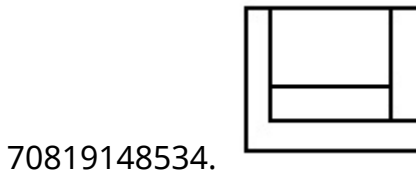
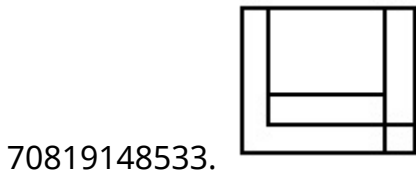
Is Question Mandatory : No

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.



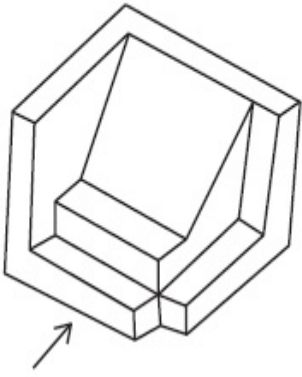
Options :



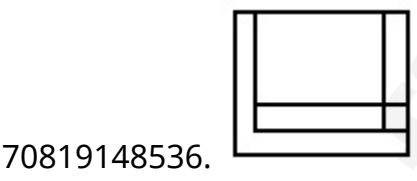
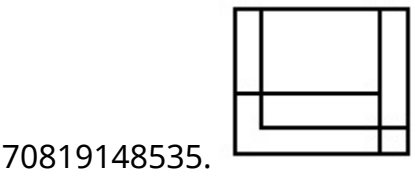
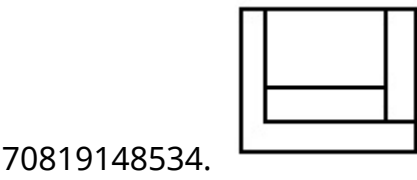
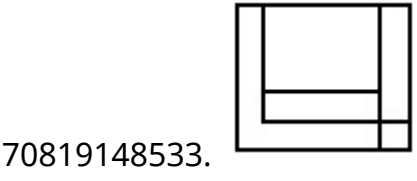
Question Number : 74 Question Id : 70819114585 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

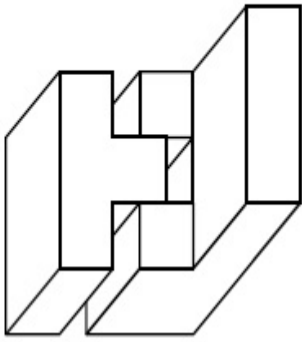


Options :

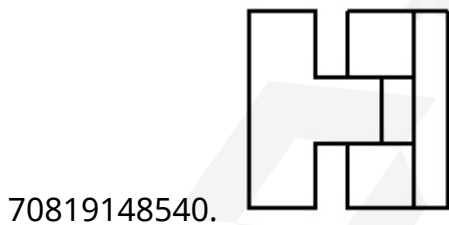
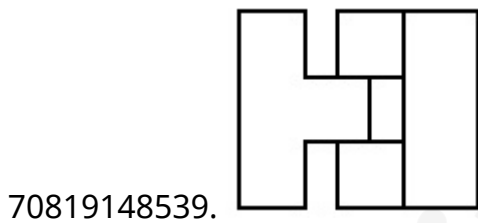
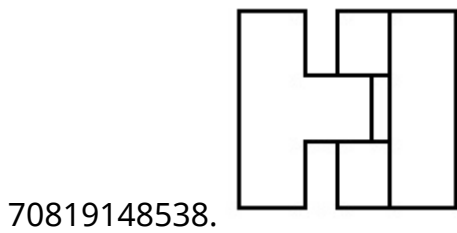
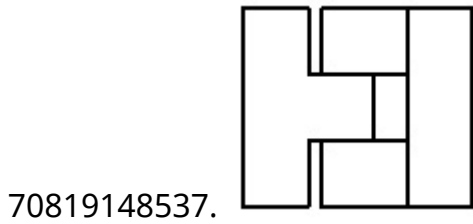


Question Number : 75 Question Id : 70819114586 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No  
Correct Marks : 4 Wrong Marks : 1

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



Options :

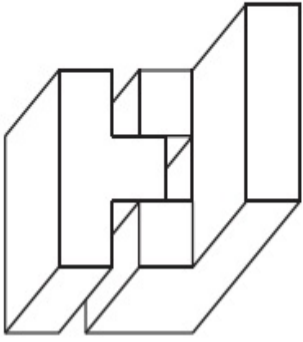


Question Number : 75 Question Id : 70819114586 Question Type : MCQ Option Shuffling : Yes

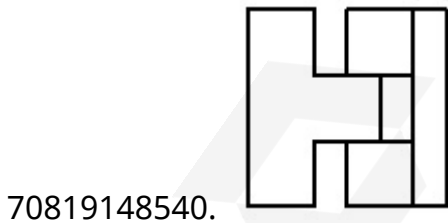
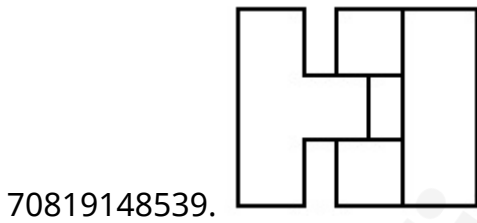
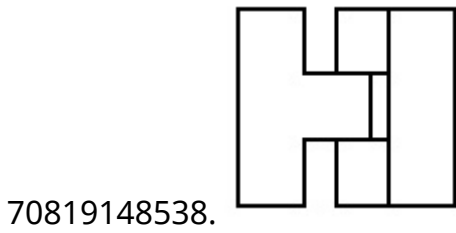
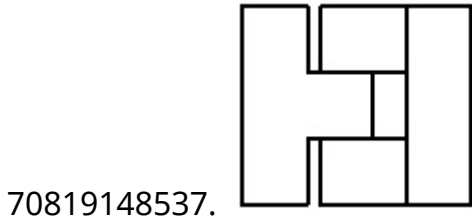
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

তলৰ চিত্ৰটো এটা 3D আকৃতিৰ চিত্ৰ। তলত দিয়া চিত্ৰৰ মাজৰ পৰা, ওপৰৰ পৰা লোৱা দিশত চিত্ৰটো বাহিৰে উলিওৱা।



Options :

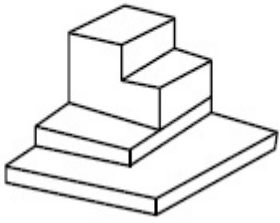


Question Number : 76 Question Id : 70819114587 Question Type : MCQ Option Shuffling : Yes

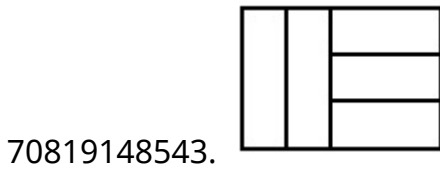
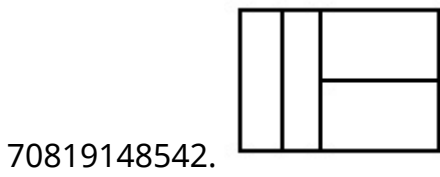
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

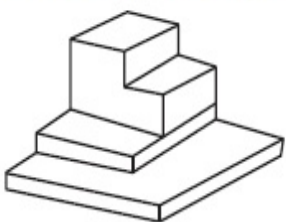


Question Number : 76 Question Id : 70819114587 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

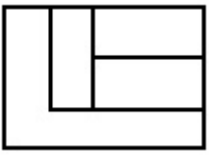
Correct Marks : 4 Wrong Marks : 1

তলৰ চিত্ৰটো এটা 3D আকৃতিৰ চিত্ৰ। তলত দিয়া চিত্ৰৰ মাজৰ পৰা, ওপৰৰ পৰা লোৱা দিশত শুদ্ধ চিত্ৰটো বাছি উলিওৱা।



Options :

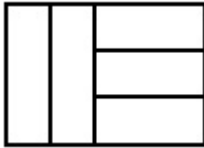
70819148541.



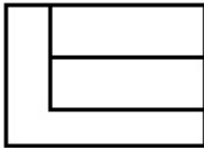
70819148542.



70819148543.



70819148544.

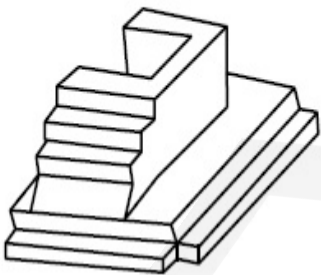


**Question Number : 77 Question Id : 70819114588 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

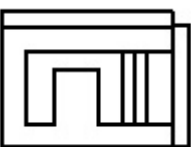
**Correct Marks : 4 Wrong Marks : 1**

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

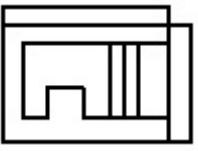


**Options :**

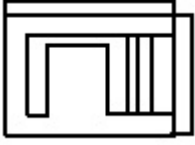
70819148545.



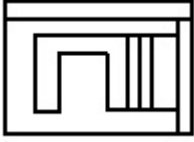
70819148546.



70819148547.



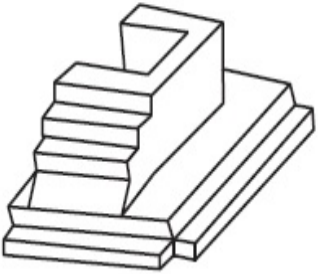
70819148548.



**Question Number : 77 Question Id : 70819114588 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

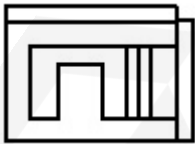
**Correct Marks : 4 Wrong Marks : 1**

তলৰ চিত্ৰটো এটা 3D আকৃতিৰ চিত্ৰ। উপৰৰ পৰা লোৱা দিশত তলত দিয়া চিত্ৰৰ মাজৰ পৰা শুদ্ধ চিত্ৰটি বাছি উলিওৱা।

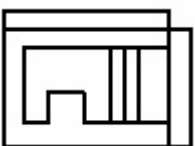


**Options :**

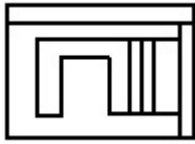
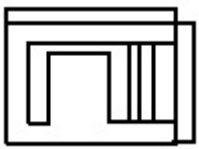
70819148545.



70819148546.



70819148547.



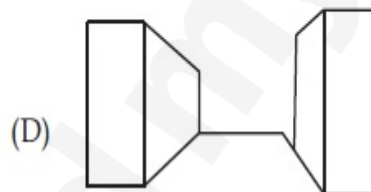
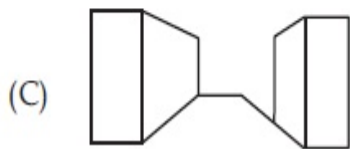
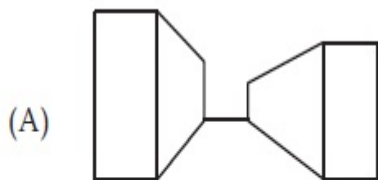
70819148548.

Question Number : 78 Question Id : 70819114589 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 :

70819148549. (A) and (B)

70819148550. (B) and (C)

70819148551. (C) and (D)

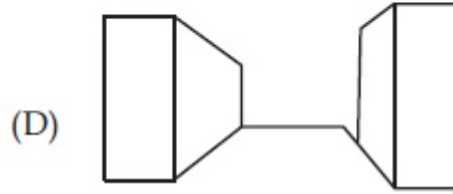
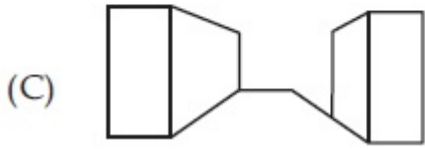
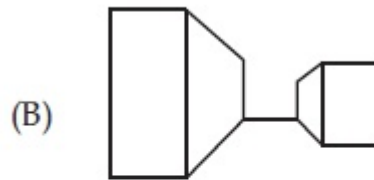
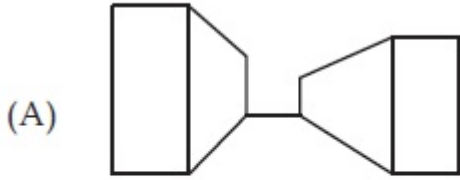
70819148552. (D) and (A)

Question Number : 78 Question Id : 70819114589 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

নিম্ন অঙ্কিত বিন্দিং বচনার কোনটোরে সকলোতকৈ কম দৃশ্যমানভাৱে উদ্বেগ সৃষ্টি কৰিছে ?



Options :

70819148549. (A) আৰু (B)

70819148550. (B) আৰু (C)

70819148551. (C) আৰু (D)

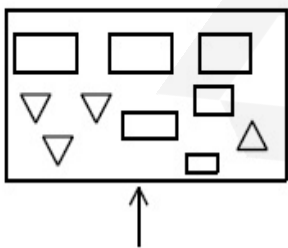
70819148552. (D) আৰু (A)

Question Number : 79 Question Id : 70819114590 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

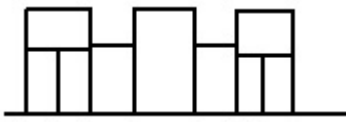
Correct Marks : 4 Wrong Marks : 1

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

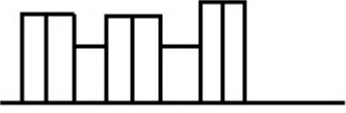


Options :



70819148554. 

70819148555. 

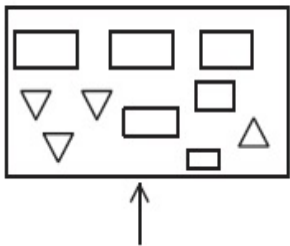
70819148556. 

**Question Number : 79 Question Id : 70819114590 Question Type : MCQ Option Shuffling : Yes**


**Is Question Mandatory : No**

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

তলৰ চিত্ৰটো এটা উপৰৰ পৰা তোলা চিত্ৰ। কাঁড় চিহ্নৰ দিশত তলত দিয়া চিত্ৰৰ মাজৰ পৰা শুদ্ধ চিত্ৰটি বাছি উলিওৱা।




**Options :**

70819148553. 

70819148554. 

70819148555. 

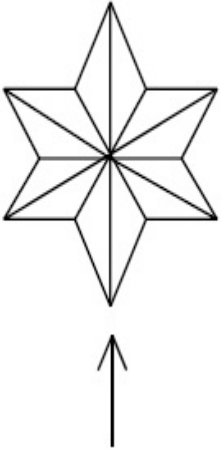
70819148556. 

Question Number : 80 Question Id : 70819114591 Question Type : MCQ Option Shuffling : Yes

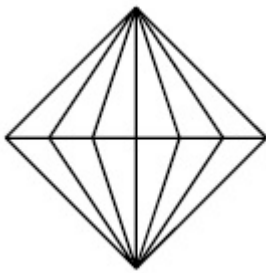
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

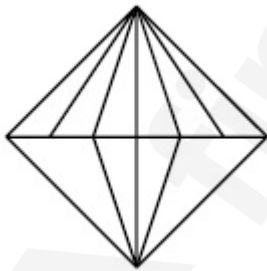
The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



Options :



70819148557.

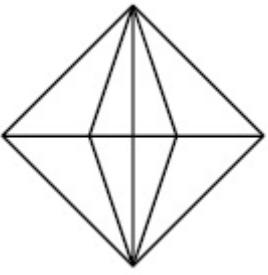


70819148558.



70819148559.

70819148560.

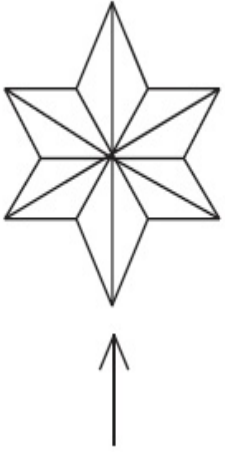


Question Number : 80 Question Id : 70819114591 Question Type : MCQ Option Shuffling : Yes

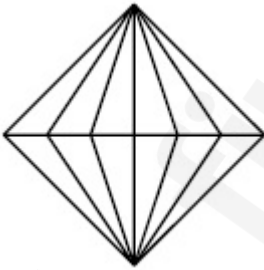
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

তলৰ চিত্ৰটো এটা উপৰৰ পৰা তোলা চিত্ৰ। কাঁড় চিহ্নৰ দিশত তলত দিয়া চিত্ৰৰ মাজৰ পৰা শুদ্ধ চিত্ৰটি বাছি উলিওৱা।



Options :

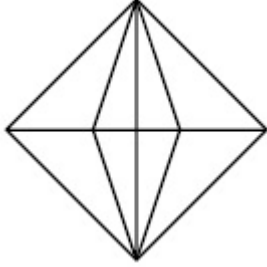
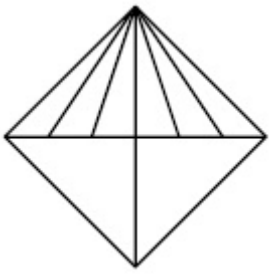


70819148557.



70819148558.

70819148559.



70819148560.

## Planning

<b>Section Id :</b>	708191523
<b>Section Number :</b>	4
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	25
<b>Number of Questions to be attempted :</b>	25
<b>Section Marks :</b>	100
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	708191803
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 81 Question Id : 70819114592 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

**Options :**

70819148561. Automobile

70819148562. Clothing and Textile

70819148563. Printing

70819148564. Iron and Steel

**Question Number : 81 Question Id : 70819114592 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

তলৰ কোনটো উদ্যোগ লগুনত প্ৰথম বিশ্ব যুদ্ধৰ আগত নাছিল ?

**Options :**

70819148561. অট'ম'বাইল

70819148562. বস্ত্ৰ আৰু টেক্সটাইল

70819148563. প্ৰিন্টিং

70819148564. লো আৰু ষ্টীল

**Question Number : 82 Question Id : 70819114593 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

**Options :**

70819148565. Nitrogen

70819148566. Greenhouse gas

70819148567. Ozone

70819148568. Suspended Particulate Matter (SPM)

Question Number : 82 Question Id : 70819114593 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

কার্বন ফুটপ্রিন্ট (footprint) হ'ল বায়ুমণ্ডলে এৰি দিয়া \_\_\_\_\_ ৰ পৰিমাণ।

Options :

70819148565. নাইট্ৰ'জেন

70819148566. সেউজগৃহ গেছ

70819148567. অ'জন

70819148568. প্রলম্বিত পদার্থ কণা (SPM)

Question Number : 83 Question Id : 70819114594 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A. KodaiKanal

B. Kullu

C. Mount Abu

D. Panchgani

E. Pahalgam

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

Choose the correct answer from the options given below :

Options :

70819148569.  $E \rightarrow D \rightarrow B \rightarrow A \rightarrow C$

70819148570.  $E \rightarrow B \rightarrow C \rightarrow D \rightarrow A$

70819148571.  $C \rightarrow A \rightarrow B \rightarrow D \rightarrow E$

70819148572.  $A \rightarrow D \rightarrow C \rightarrow B \rightarrow E$

Question Number : 83 Question Id : 70819114594 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

- A. কড়াইকানাল
- B. কুল্লু
- C. মাউন্ট আবু
- D. পঞ্চগণী
- E. পেহেলগাম

ওপৰৰ পৰ্বতীয়া স্থানসমূহ ভাৰতবৰ্ষত দক্ষিণৰ পৰা উত্তৰলৈ শুদ্ধ ক্ৰমত সজোৱা।

তলত দিয়া বিকল্পসমূহৰ পৰা শুদ্ধ উত্তৰটো চয়ন কৰা :

Options :

70819148569.  $E \rightarrow D \rightarrow B \rightarrow A \rightarrow C$

70819148570.  $E \rightarrow B \rightarrow C \rightarrow D \rightarrow A$

70819148571.  $C \rightarrow A \rightarrow B \rightarrow D \rightarrow E$

70819148572.  $A \rightarrow D \rightarrow C \rightarrow B \rightarrow E$

Question Number : 84 Question Id : 70819114595 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

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

Planning Commission in India has been replaced by :

**Options :**

70819148573. Mo HUA

70819148574. NITI Aayog

70819148575. NIUA

70819148576. PFI

**Question Number : 84 Question Id : 70819114595 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ভাৰতত পৰিকল্পনা আয়োগৰ স্থান কোনে লৈছে ?

**Options :**

70819148573. Mo HUA

70819148574. NITI Aayog

70819148575. NIUA

70819148576. PFI

**Question Number : 85 Question Id : 70819114596 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

**Options :**

70819148577. 2005

70819148578. 2007

70819148579. 2009

70819148580. 2011

**Question Number : 85 Question Id : 70819114596 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ভাৰতবৰ্ষত 'বিশেষ অৰ্থনৈতিক মণ্ডল' (special Economic Zone) আইন কেতিয়া গৃহীত কৰা হৈছিল ?

**Options :**

70819148577. 2005

70819148578. 2007

70819148579. 2009

70819148580. 2011

**Question Number : 86 Question Id : 70819114597 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

**Options :**

70819148581. National Horticulture Association of India.

70819148582. National Heritage Authority of India.

70819148583. National Hydroelectric Power Authority of India.

70819148584. National Highway Authority of India.

**Question Number : 86 Question Id : 70819114597 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

NHAI ৰ সম্পূৰ্ণ ৰূপটো কি ? শুদ্ধ উত্তৰ চয়ন কৰা।

**Options :**

70819148581. National Horticulture Association of India.

70819148582. National Heritage Authority of India.

70819148583. National Hydroelectric Power Authority of India.

70819148584. National Highway Authority of India.

**Question Number : 87 Question Id : 70819114598 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

**Options :**

70819148585. 15

70819148586. 16

70819148587. 17

**Question Number : 87 Question Id : 70819114598 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ৰাষ্ট্ৰসংঘই কিমানটা বহনক্ষম (Sustainable) উন্নয়নৰ লক্ষ্য গ্ৰহণ কৰিছে ?

**Options :**

70819148585. 15

70819148586. 16

70819148587. 17

70819148588. 18

**Question Number : 88 Question Id : 70819114599 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

**Options :**

70819148589. 1947

70819148590. 1948

70819148591. 1950

70819148592. 1949

Question Number : 88 Question Id : 70819114599 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

কোনটো বছৰত, ভাৰত চৰকাৰৰ দ্বাৰা প্ৰথম ঔদ্যোগিক নীতি ঘোষণা হৈছিল ?

Options :

70819148589. 1947

70819148590. 1948

70819148591. 1950

70819148592. 1949

Question Number : 89 Question Id : 70819114600 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Planning of Barcelona city in Spain is known for its :

Options :

70819148593. superblocks

70819148594. radial pattern

70819148595. high rise development

70819148596. waterbased transport

Question Number : 89 Question Id : 70819114600 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

স্পেইনৰ বাৰ্চিল'না চহৰৰ পৰিকল্পনাক জনা যায় :

**Options :**

70819148593. চুপাৰব্লক্স (superblocks)

70819148594. ব্যাসাধীয়া সাজোন

70819148595. আকাশলঙ্ঘী (high rise) উত্থান

70819148596. জলভিত্তিক পৰিবহণ

**Question Number : 90 Question Id : 70819114601 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

Which of these is not an industrial city ?

**Options :**

70819148597. Durgapur

70819148598. Vishakhapatnam

70819148599. Bhubaneswar

70819148600. Bhilai

**Question Number : 90 Question Id : 70819114601 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

এইবোৰৰ কোনখন ঔদ্যোগিক চহৰ নহয় ?

**Options :**

70819148597. দুৰ্গাপুৰ

70819148598. বিশাখাপটনম

70819148599. ভূৰনেশ্বৰ

70819148600. ভিলাই

**Question Number : 91 Question Id : 70819114602 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

**Options :**

70819148601. AMRUT

70819148602. Make in India

70819148603. HRIDAY

70819148604. UDAY

**Question Number : 91 Question Id : 70819114602 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ভাৰত চৰকাৰৰ কোনখন আঁচনি/কাৰ্য্যক্রম ঐতিহ্য চহৰৰ লগত সংযুক্ত ?

**Options :**

70819148601. AMRUT

70819148602. Make in India

70819148603. HRIDAY

70819148604. UDAY

Question Number : 92 Question Id : 70819114603 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819148605. Tamil Nadu

70819148606. Karnataka

70819148607. Andhra Pradesh

70819148608. Kerala

Question Number : 92 Question Id : 70819114603 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

তলৰ দক্ষিণ ভাৰতীয় ৰাজ্যসমূহৰ কোনখনৰ মুঠ ভূজল সম্ভাৰৰ সৰ্বোচ্চ (শতাংশত) পৰিমাণ ব্যৱহৃত হৈছে ?

Options :

70819148605. তামিল নাডু

70819148606. কৰ্ণাটক

70819148607. অন্ধ্ৰপ্ৰদেশ

70819148608. কেবেলা

**Question Number : 93 Question Id : 70819114604 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

Survey of India was established in :

**Options :**

70819148609. 1886

70819148610. 1876

70819148611. 1866

70819148612. 1896

**Question Number : 93 Question Id : 70819114604 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ভাৰতীয় জৰীপ বিভাগৰ (Survey of India) স্থাপন হৈছিল :

**Options :**

70819148609. 1886

70819148610. 1876

70819148611. 1866

70819148612. 1896

Question Number : 94 Question Id : 70819114605 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819148613. Lok Sabha

70819148614. State Legislative Assembly

70819148615. Cabinets

70819148616. Panchayati Raj bodies

Question Number : 94 Question Id : 70819114605 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

73 তম সংবিধান শুধৰণি আইন (73<sup>rd</sup> CAA), 1992 অনুসৰি প্ৰথমবাৰ মহিলাৰ বাবে এক তৃতীয়াংশ (1/3) আসন ক'ত সংৰক্ষিত কৰা হৈছিল ?

Options :

70819148613. লোকসভা

70819148614. ৰাজ্যিক বিধানসভা

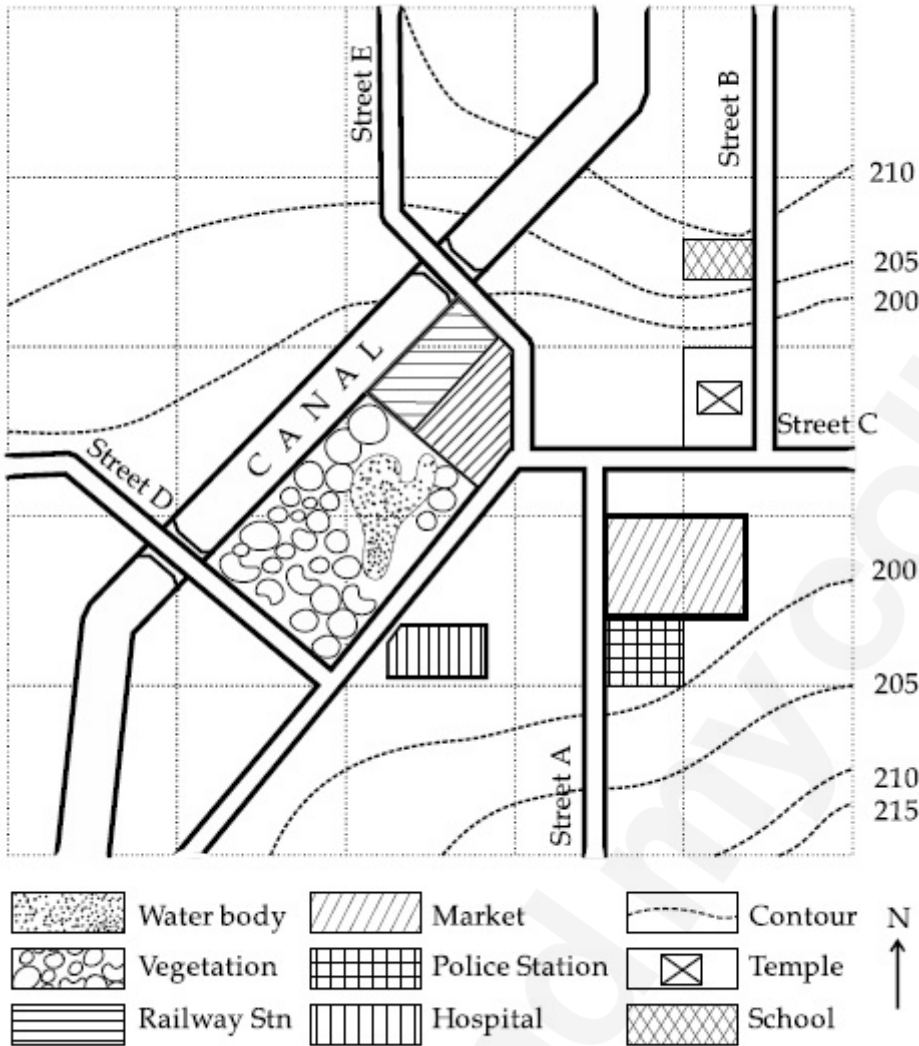
70819148615. কেবিনেট

70819148616. পঞ্চায়তী ৰাজ গোট

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading.



With reference to the diagram, choose the correct statement.

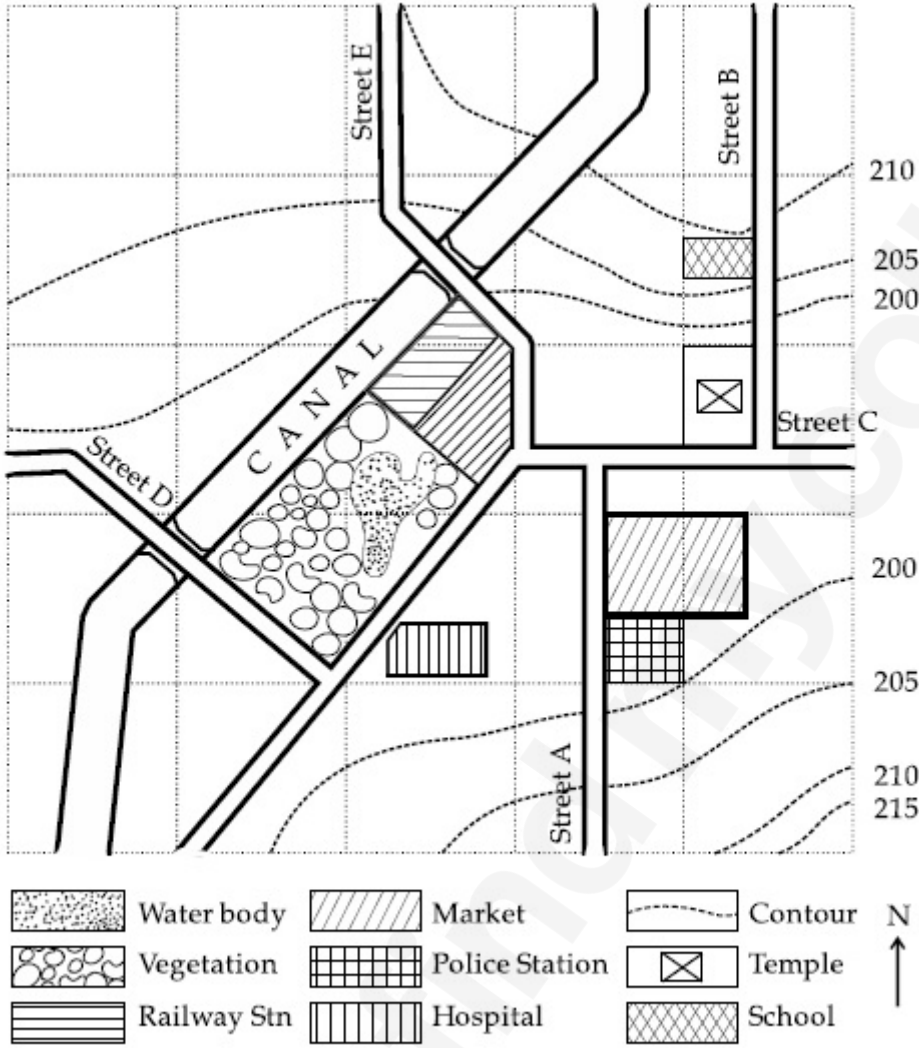
Options :

- 70819148617. Slope of land on which school is located is flatter than the slope of land on which hospital is located.
- 70819148618. Slope of land on which police station is located is steeper than the slope of land on which school is located.
- 70819148619. Slope of land on which school is located is steeper than the slope of land on which temple is located.
- 70819148620. Slope of land on which school is located is the same as the slope of land on which temple is located.

Question Number : 95 Question Id : 70819114606 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

মেপ অধ্যয়ন :



চিত্রটোৰ প্ৰসঙ্গত, শুদ্ধ উক্তিটো চয়ন কৰা :

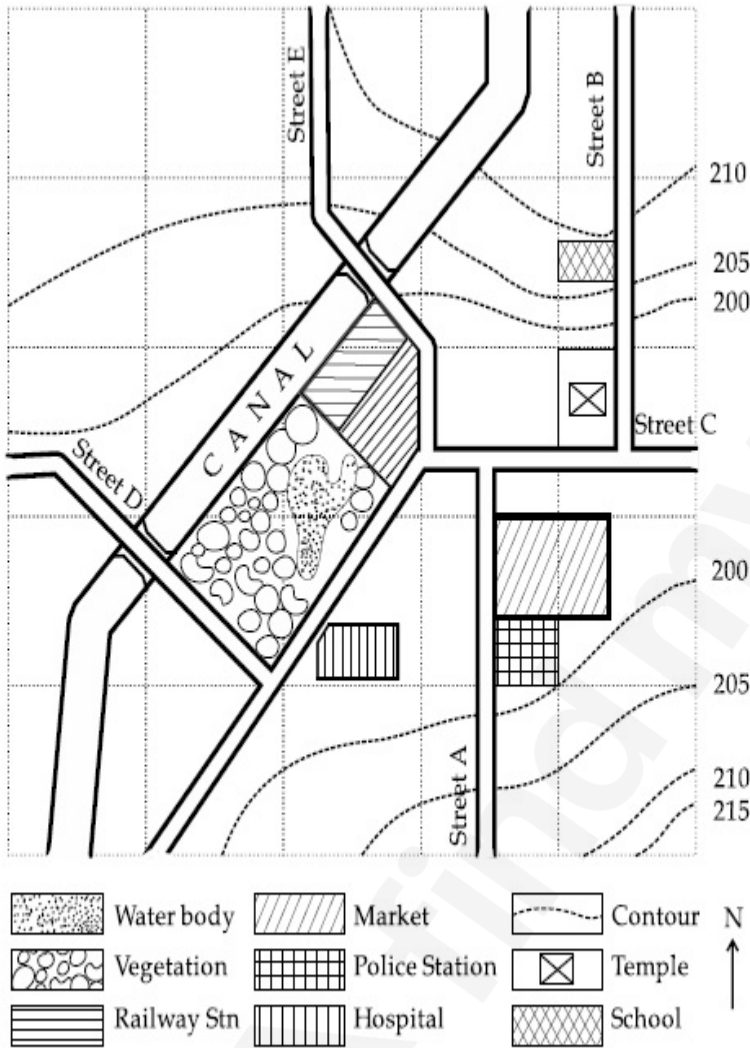
Options :

70819148617. বিদ্যালয় স্থাপন হোৱা ভূমিৰ হেলন (slope) চিকিৎসালয় স্থাপন হোৱা ভূমিৰ হেলনতকৈ চেপেটা (flatter)।
70819148618. আৰক্ষীথানা স্থাপন হোৱা ভূমিৰ হেলন, বিদ্যালয় স্থাপন হোৱা ভূমিৰ হেলনতকৈ থিয় (steeper)।
70819148619. বিদ্যালয় স্থাপন হোৱা ভূমিৰ হেলন, মন্দিৰ স্থাপন হোৱা ভূমিৰ হেলনতকৈ থিয়।

Question Number : 96 Question Id : 70819114607 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading.



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

Options :

70819148621. North

70819148622. North - East

70819148623. South - West

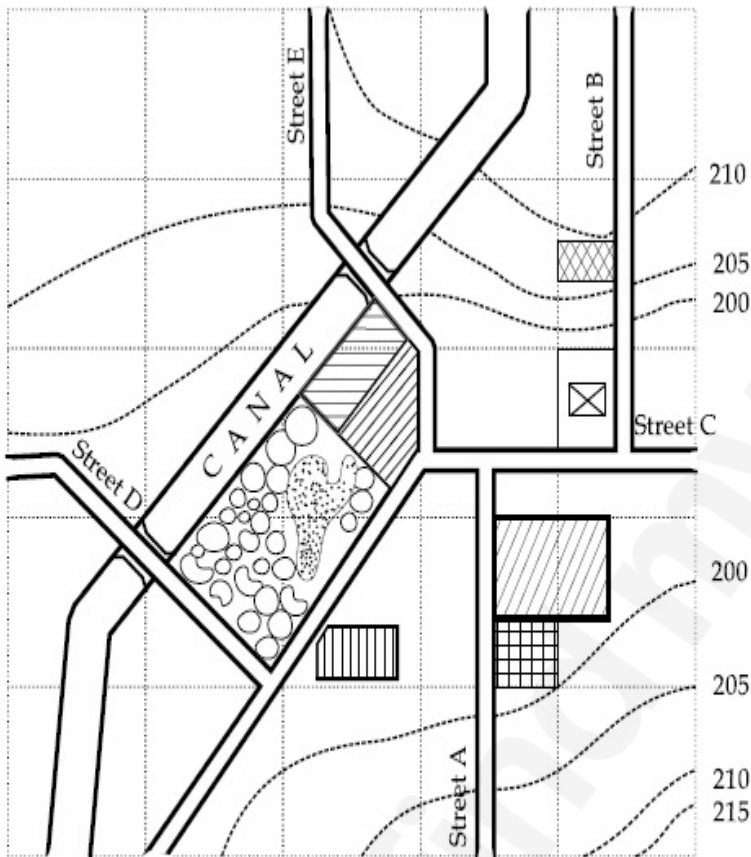
70819148624. East

Question Number : 96 Question Id : 70819114607 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

মেপ অধ্যয়ন :



প্রদত্ত চিত্রত, এজন মানুহে বেলরে ষ্টেচনৰ পৰা মন্দিৰলৈ যাওতে, মানুহজনে \_\_\_\_\_ দিশত গতি কৰিব লাগিব।

Options :

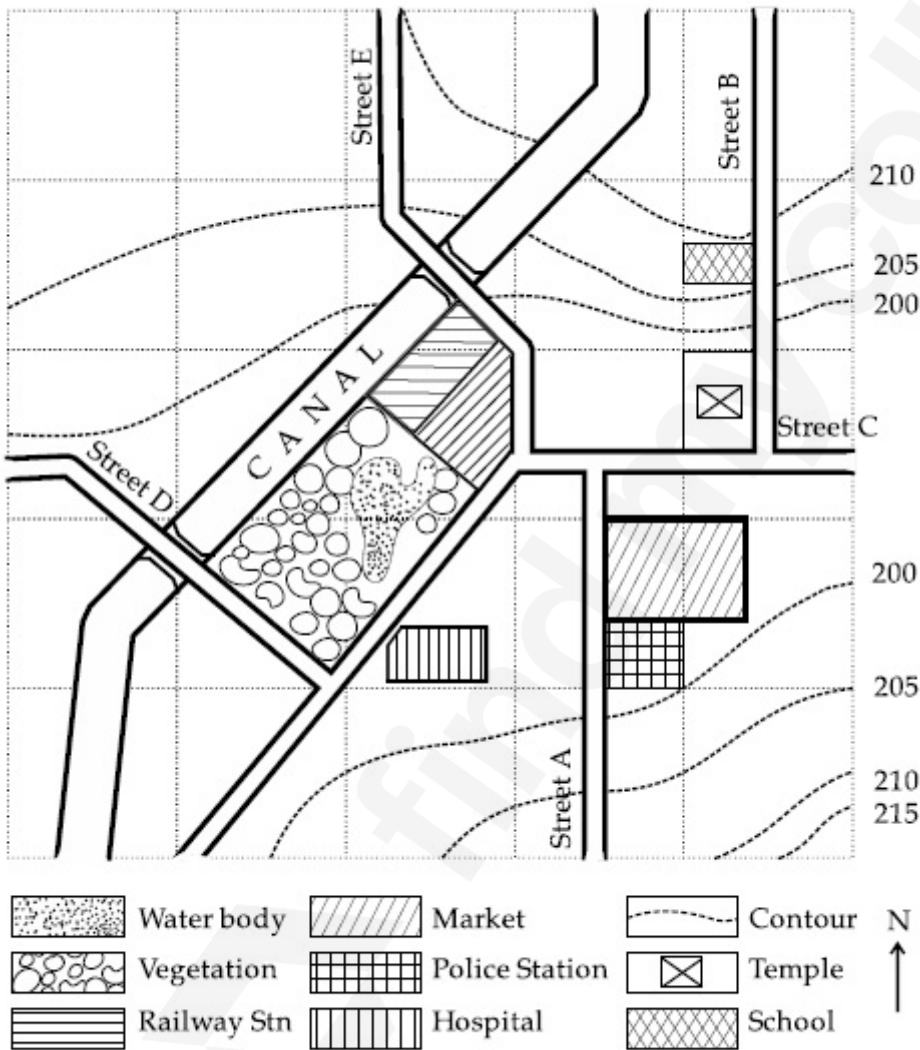
70819148621. উত্তৰ

70819148622. উত্তৰ-পূৰ্ব

Question Number : 97 Question Id : 70819114608 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading.



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

Options :

70819148625. 5 m higher than police station.

70819148626. 5 m higher than school.

70819148627. same level as police station.

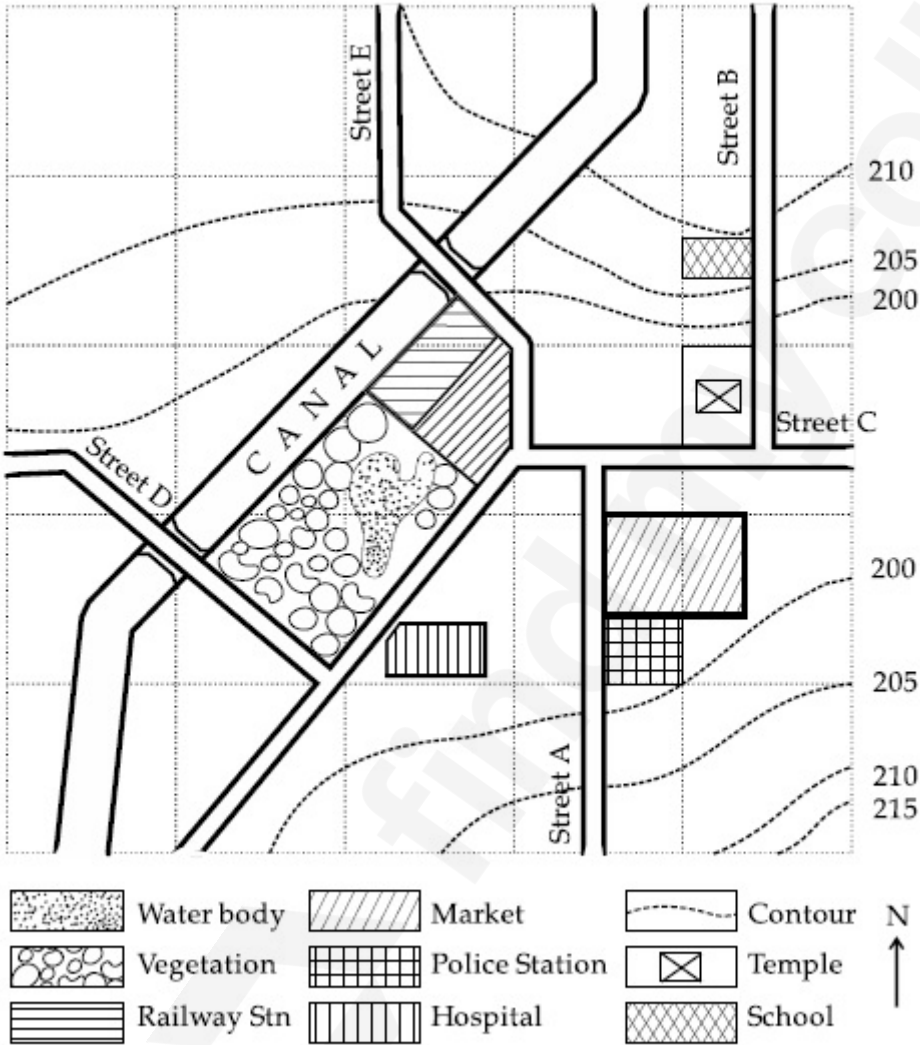
70819148628. same level as school.

Question Number : 97 Question Id : 70819114608 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

মেপ অধ্যয়ন :



প্রদত্ত চিত্রত, জলাশয়ৰ অৱস্থানৰ স্তৰ :

Options :

70819148625. আৰক্ষীখানাতকৈ 5 m উচ্চতৰ

70819148626. বিদ্যালয়তকৈ 5 m উচ্চতৰ

70819148627. আৰক্ষীথানাৰ লগত একে

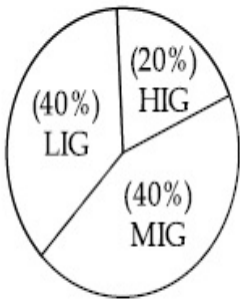
70819148628. বিদ্যালয়ৰ লগত একে স্তৰ

**Question Number : 98 Question Id : 70819114609 Question Type : MCQ Option Shuffling : Yes**

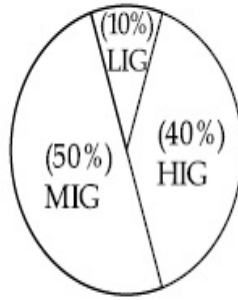
**Is Question Mandatory : No**

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

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



Higher Secondary Education



College Education

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

**Options :**

70819148629. 4 : 1

70819148630. 1 : 5

70819148631. 6 : 1

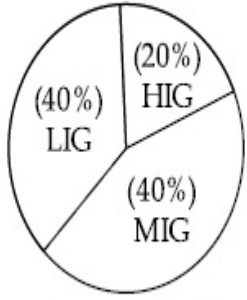
70819148632. 1 : 4

**Question Number : 98 Question Id : 70819114609 Question Type : MCQ Option Shuffling : Yes**

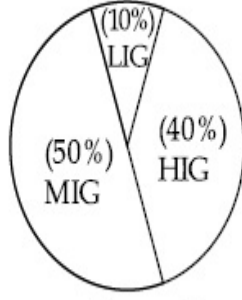
**Is Question Mandatory : No**

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

নিম্ন প্রদত্ত পাই-চিত্রই পৰিয়ালৰ ঘৰুৱা উপাৰ্জন সাপেক্ষে উচ্চতৰ মাধ্যমিক আৰু মহাবিদ্যালয়ত নাম লিখিবলৈ ইচ্ছাৰাখিবলৈ সক্ষম ছাত্ৰৰ পৰিমাণ দেখুওৱা হৈছে।



উচ্চতৰ মাধ্যমিক শিক্ষা



মহাবিদ্যালয় শিক্ষা

LIG ঘৰুৱা শ্ৰেণীৰ ছাত্ৰৰ উচ্চতৰ মাধ্যমিক আৰু মহাবিদ্যালয়ত অধ্যয়নৰত ছাত্ৰৰ সংখ্যাৰ অনুপাত হ'ল :

**Options :**

70819148629. 4 : 1

70819148630. 1 : 5

70819148631. 6 : 1

70819148632. 1 : 4

**Question Number : 99 Question Id : 70819114610 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

**Options :**

70819148633. The density of population in urban area is 1000 persons/sq.km.

70819148634. The density of population in urban area is 849 persons/sq.km.

70819148635. The density of population in urban area is 4290 persons/sq.km.

70819148636.

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

**Question Number : 99 Question Id : 70819114610 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

পৃথিৱীৰ পৃষ্ঠকালিৰ পৰিমাণ হ'ল 510 million km<sup>2</sup>। ভূমিৰ কালি হ'ল মুঠ কালিৰ ত্ৰিশ শতাংশ। চহৰীয়া ভূমিৰ কালি হ'ল মুঠ ভূমিৰ কালিৰ তিনি শতাংশ। পৃথিৱীৰ জনসংখ্যা হ'ল 7.8 বিলিয়ন (billion) আৰু পছপন্ন (fifty five) শতাংশ হ'ল চহৰীয়া জনসংখ্যা।

নিকটতম শুদ্ধ উত্তৰটো বাছি উলিওৱা :

**Options :**

70819148633. চহৰাঞ্চলৰ জনসংখ্যা ঘনত্ব হ'ল 1000 মানুহ/বৰ্গ কিলোমিটাৰ

70819148634. চহৰাঞ্চলৰ জনসংখ্যা ঘনত্ব হ'ল 849 মানুহ/বৰ্গ কিলোমিটাৰ

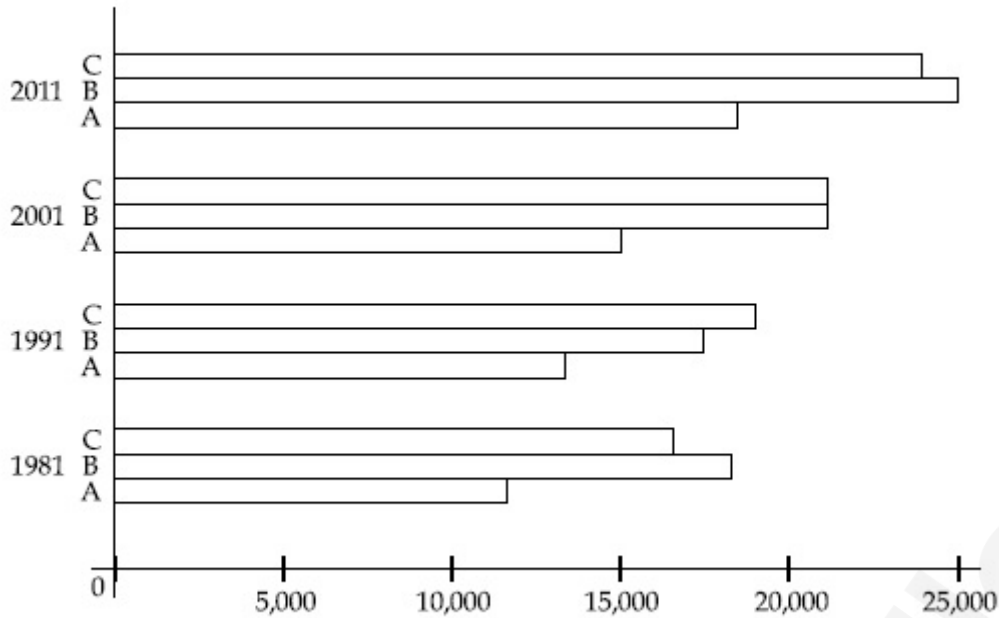
70819148635. চহৰাঞ্চলৰ জনসংখ্যা ঘনত্ব হ'ল 4290 মানুহ/বৰ্গ কিলোমিটাৰ

70819148636. চহৰাঞ্চলৰ জনসংখ্যা ঘনত্ব হ'ল 7800 মানুহ/বৰ্গ কিলোমিটাৰ

**Question Number : 100 Question Id : 70819114611 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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



Choose the correct statement :

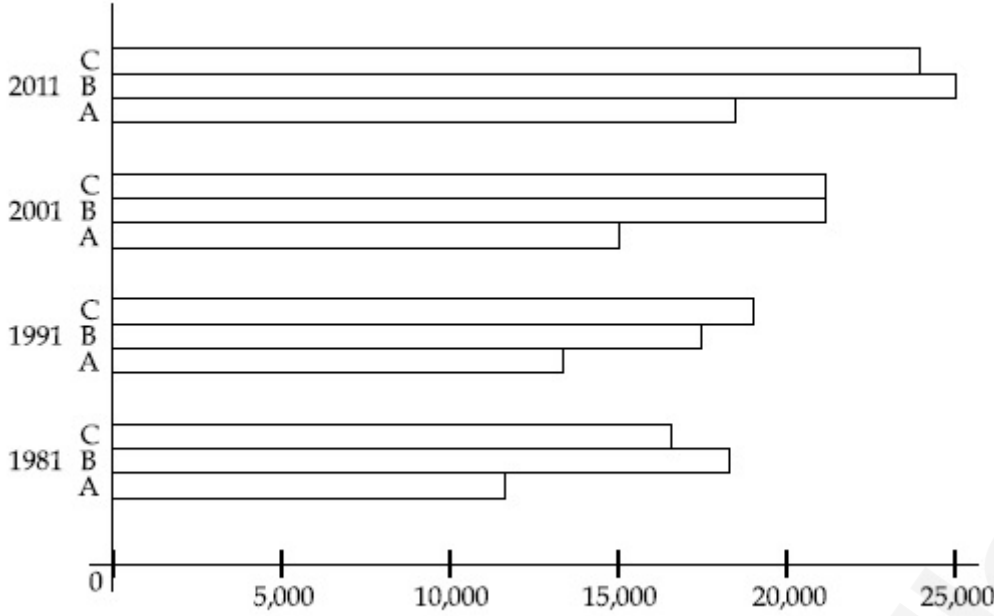
Options :

- 70819148637. City A shows the increase in population from 1981 to 2011 and city C does not show the increase likewise.
- 70819148638. City B shows a continuous decline in population from 1981-2011 whereas city A shows an increase.
- 70819148639. Population in city A is increasing in each decade from 1981 to 2001 whereas city B shows a decline from 1981 to 1991 and then it increases from 1991 to 2001.
- 70819148640. City C shows continuous decline in population in various decades whereas city B shows increase.

Question Number : 100 Question Id : 70819114611 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1



শুদ্ধ উক্তি চয়ন কৰা :

**Options :**

70819148637. 1981 ব পৰা 2011 লৈ চহৰ A ই জনসংখ্যা বৃদ্ধি দেখুৱাইছে আৰু চহৰ C এ তেনেকুৱা বৃদ্ধি দেখুওৱা নাই ।

70819148638. 1981 ব পৰা 2011 লৈ চহৰ B এ জনসংখ্যাৰ নিৰন্তৰ হ্রাস দেখুৱাইছে অথচ চহৰ A এ বৃদ্ধি দেখুৱাইছে ।

70819148639. 1981 ব পৰা 2001 ব প্ৰতিটো দশকতে চহৰ A ই জনসংখ্যা বৃদ্ধি দেখুৱাইছে অথচ চহৰ B এ 1981 ব পৰা 1991 লৈ হ্রাস আৰু তাৰ পাছত 1991 ব পৰা 2001 লৈ বৃদ্ধি দেখুৱাইছে ।

70819148640. চহৰ C এ বিভিন্ন দশকত জনসংখ্যাৰ নিৰন্তৰ হ্রাস দেখুৱাইছে অথচ চহৰ B এ বৃদ্ধি দেখুৱাইছে ।

**Question Number : 101 Question Id : 70819114612 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

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

The median speed of the vehicles is :

**Options :**

70819148641.  $26 \text{ kmhr}^{-1}$

70819148642.  $21.5 \text{ kmhr}^{-1}$

70819148643.  $30 \text{ kmhr}^{-1}$

70819148644.  $28.5 \text{ kmhr}^{-1}$

**Question Number : 101 Question Id : 70819114612 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

এটা জৰীপত, 100 খন বাহনৰ দ্ৰুতি (speed) পৰ্যবেক্ষণ কৰা হৈছিল। নিম্ন প্ৰদত্ত তালিকাই বাহনৰ দ্ৰুতিৰ সংশ্লিষ্ট বাহনৰ সংখ্যা প্ৰদান কৰিছে।

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

বাহনৰ মধ্যমা (median) দ্ৰুতি হ'ল :

**Options :**

70819148641.  $26 \text{ kmhr}^{-1}$

70819148642.  $21.5 \text{ kmhr}^{-1}$

70819148643.  $30 \text{ kmhr}^{-1}$

70819148644.  $28.5 \text{ kmhr}^{-1}$

**Question Number : 102 Question Id : 70819114613 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

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

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

**Options :**

70819148645. As a charity by privileged people.

70819148646. As a way to reduce crime.

70819148647. As a way to sensitize travellers about poor living conditions in the society.

70819148648. As an adventure activity.

**Question Number : 102 Question Id : 70819114613 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

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

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

**Options :**

70819148645. As a charity by privileged people.

70819148646. As a way to reduce crime.

70819148647. As a way to sensitize travellers about poor living conditions in the society.

70819148648. As an adventure activity.

**Question Number : 103 Question Id : 70819114614 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

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

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

**Options :**

70819148649. Learning

70819148650. Staring

70819148651. Peeping

70819148652. Gloating

**Question Number : 103 Question Id : 70819114614 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

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

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

**Options :**

70819148649. Learning

70819148650. Staring

70819148651. Peeping

70819148652. Gloating

**Question Number : 104 Question Id : 70819114615 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

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

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

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

**Options :**

70819148653. Both A and R are true and R is the correct explanation of A

70819148654. Both A and R are true but R is NOT the correct explanation of A

70819148655. A is true but R is false

70819148656. A is false but R is true

**Question Number : 104 Question Id : 70819114615 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

তলত দুটা উক্তি দিয়া হৈছে : এটাক নিশ্চয়োক্তি A আৰু আনটোক কাৰণ R ৰূপে নামাকৰণ কৰা

নিশ্চয়োক্তি A : যোৱা দুটা দশকত সমূহীয়া মনোযোগৰ দৈৰ্ঘ্য কমি আহিছে ।

কাৰণ R : যথেষ্ট পৰিমাণৰ তথ্যৰ দ্ৰুত সহজলভ্যতা আৰু দ্ৰুত আহৰণ ক্ষমতাৰ বাবে এটা ঘটনাৰ ওপৰত মনোযোগ দ্ৰুতভাৱে কমি যায় ।

ওপৰৰ উক্তি দুটাৰ আলমত, নিম্ন প্ৰদত্ত বিকল্প সমূহৰ পৰা শুদ্ধ উত্তৰটো বাছি উলিওৱা :

**Options :**

70819148653. A আৰু R ৰ দুয়োটা সঁচা আৰু R হ'ল A ৰ শুদ্ধ ব্যাখ্যা

70819148654. A আৰু R ৰ দুয়োটা সঁচা কিন্তু R, A ৰ শুদ্ধ ব্যাখ্যা নহয়

70819148655. A সঁচা কিন্তু R মিছা ।

70819148656. A মিছা কিন্তু R সঁচা ।

**Question Number : 105 Question Id : 70819114616 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

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

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

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

**Options :**

70819148657. Both A and R are true and R is the correct explanation of A

70819148658. Both A and R are true but R is NOT the correct explanation of A

70819148659. A is true but R is false

70819148660. A is false but R is true

Question Number : 105 Question Id : 70819114616 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

তলত দুটা উক্তি দিয়া আছে : এটাক নিশ্চয়োক্তি A আৰু আনটোক কাৰণ R ৰূপে নামাকৰণ কৰা হৈছে ।

নিশ্চয়োক্তি A : যোৱা দুটা দশকত, ভাৰতবৰ্ষত বিবাহ বিচ্ছেদৰ হাৰ বাঢ়িছে ।

কাৰণ R : শিশু জন্ম দিবলৈ নিবিছৰা দম্পতীৰ বৰ্ধিত সংখ্যা ।

ওপৰৰ উক্তি দুটাৰ আলমত, নিম্ন প্ৰদত্ত বিকল্প সমূহৰ পৰা শুদ্ধ উত্তৰটো চয়ন কৰা :

Options :

70819148657. A আৰু R ৰ দুয়োটা সঁচা আৰু R হ'ল A ৰ শুদ্ধ ব্যাখ্যা

70819148658. A আৰু R ৰ দুয়োটা সঁচা কিন্তু R, A ৰ শুদ্ধ ব্যাখ্যা নহয়

70819148659. A সঁচা কিন্তু R মিছা ।

70819148660. A মিছা কিন্তু R সঁচা ।

## Drawing

Section Id :	708191524
Section Number :	5
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 :	708191804
Question Shuffling Allowed :	No

**Question Number : 106 Question Id : 70819114617 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 : 106 Question Id : 70819114617 Question Type : SUBJECTIVE**

**Correct Marks : 50**

প্ৰদত্ত বেফাৰেন্স চিত্ৰৰ একে অনুপাতত ছবি এটা অংকন কৰা, নিজৰ পছন্দৰ যিকোনো বগা আৰু ক'লা বৰ্ণন কৌশল ব্যৱহাৰ কৰিবা।

অথবা

চিত্ৰটোৰ অৰ্থোদ্ধাৰ কৰা আৰু নিজৰ পছন্দৰ সাজত যিকোনো বগা আৰু ক'লা কৌশল ব্যৱহাৰ কৰি এটা সম্বলিত সংৰচনা অংকন কৰা।



**Question Number : 107 Question Id : 70819114618 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 cm × 2 cm × 2 cm, 5 Nos.

(ii) CUBOID B : SIZE 5 cm × 2 cm × 2 cm, 4 Nos.

Use 'Cool Colorscheme' for composition.

**Question Number : 107 Question Id : 70819114618 Question Type : SUBJECTIVE**

**Correct Marks : 50**

বঙৰ ব্যৱহাৰ কৰি চিলা মহোৎসৱৰ এটা দৃশ্যৰ ছবি আঁকা।

নাইবা

তলত দিয়া দুই প্ৰকাৰৰ আকৃতি ব্যৱহাৰ কৰি এটা সামঞ্জস্য থকা তিনি মাত্ৰিক সংৰচনা এটা অংকন কৰা।

(i) ঘন A : মাপ 2 cm × 2 cm × 2 cm, 5টা

(ii) ঘন B : মাপ 5 cm × 2 cm × 2 cm, 4টা

‘‘শীত বংসংগতি’’ৰ প্ৰয়োগ কৰা।