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Question Paper Name :	B PLANNING AND B ARCH EO 23rd Feb 2021 Shift 2
Subject Name :	B PLANNING AND B ARCH EO
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B PLANNING AND B ARCH EO

Group Number :	1
Group Id :	708191141
Group Maximum Duration :	0
Group Minimum Duration :	210
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	500
Is this Group for Examiner? :	No

Mathematics Section A

Section Id :	708191453
Section Number :	1
Section type :	Online

Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	80
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	708191733
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 70819113107 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 :

70819143221. $\frac{121}{3}$

70819143222. $\frac{122}{3}$

70819143223. $\frac{125}{3}$

70819143224. $\frac{128}{3}$

Question Number : 1 Question Id : 70819113107 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143221. $\frac{121}{3}$

70819143222. $\frac{122}{3}$

70819143223. $\frac{125}{3}$

70819143224. $\frac{128}{3}$

Question Number : 2 Question Id : 70819113108 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 :

70819143225. $\frac{31}{13}$

70819143226. $\frac{108}{13}$

70819143227. $\frac{27}{2}$

70819143228. $\frac{54}{7}$

Question Number : 2 Question Id : 70819113108 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143225. $\frac{31}{13}$

70819143226. $\frac{108}{13}$

70819143227. $\frac{27}{2}$

70819143228. $\frac{54}{7}$

Question Number : 3 Question Id : 70819113109 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 :

70819143229. $P \Leftrightarrow P \vee q$

70819143230. $(P \wedge q) \Leftrightarrow P$

70819143231. $(P \wedge (\sim P \vee q)) \vee (\sim q)$

70819143232. $(p \vee \sim p) \wedge (q \vee (\sim q))$

Question Number : 3 Question Id : 70819113109 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143229. $P \Leftrightarrow P \vee q$

70819143230. $(P \wedge q) \Leftrightarrow P$

70819143231. $(P \wedge (\sim P \vee q)) \vee (\sim q)$

70819143232. $(P \vee \sim P) \wedge (q \vee (\sim q))$

Question Number : 4 Question Id : 70819113110 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 :

70819143233. a, b and c are in Arithmetic Progression

70819143234. a, b and c are in Geometric Progression

70819143235. a, 2b and c are in Arithmetic Progression

70819143236. a, b and c satisfy $2b^2 = ac$

Question Number : 4 Question Id : 70819113110 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଧରାଯାଉ $|a| < 1, |b| < 1, |c| < 1$ ଏବଂ $x = \sum_{n=0}^{\infty} a^n, y = \sum_{n=0}^{\infty} b^n, z = \sum_{n=0}^{\infty} c^n$ ଯଦି $\frac{1}{x}, \frac{1}{y}, \frac{1}{z}$ ସମାନ୍ତର ପ୍ରଗତି

(ଶ୍ରେଣୀ) ରେ ରୁହନ୍ତି, ତେବେ :

Options :

70819143233. a, b ଏବଂ c ସମାନ୍ତର ପ୍ରଗତିରେ ଅଛନ୍ତି ।

70819143234. a, b ଏବଂ c ଗୁଣୋତ୍ତର ପ୍ରଗତିରେ ଅଛନ୍ତି ।

70819143235. $a, 2b$ ଏବଂ c ସମାନ୍ତର ପ୍ରଗତିରେ ଅଛନ୍ତି ।

70819143236. a, b ଏବଂ c ସର୍ତ୍ତ $2b^2 = ac$ କୁ ସିଦ୍ଧ କରିବେ ।

Question Number : 5 Question Id : 70819113111 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 :

70819143237. $15e + 5$

70819143238. $15e - 5$

70819143239. $16e - 5$

70819143240. $16e - 7$

Question Number : 5 Question Id : 70819113111 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143237. $15e + 5$

70819143238. $15e - 5$

70819143239. $16e - 5$

70819143240. $16e - 7$

Question Number : 6 Question Id : 70819113112 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143241. 5

70819143242. 3

70819143243. 7

70819143244. 1

Question Number : 6 Question Id : 70819113112 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143241. 5

70819143242. 3

70819143243. 7

70819143244. 1

Question Number : 7 Question Id : 70819113113 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 :

70819143245. 455

70819143246. 421

70819143247. 435

70819143248. 441

Question Number : 7 Question Id : 70819113113 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143245. 455

70819143246. 421

70819143247. 435

70819143248. 441

Question Number : 8 Question Id : 70819113114 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 :

70819143249. a = 1, b = 0

70819143250. a = 0, b = 1

70819143251. a = 0, b = -1

70819143252. a = -1, b = 1

Question Number : 8 Question Id : 70819113114 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143249. $a = 1, b = 0$

70819143250. $a = 0, b = 1$

70819143251. $a = 0, b = -1$

70819143252. $a = -1, b = 1$

Question Number : 9 Question Id : 70819113115 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 :

70819143253. $\frac{9}{13}$

70819143254. $\frac{15}{4}$

70819143255. $\frac{13}{9}$

70819143256. $\frac{1}{13}$

Question Number : 9 Question Id : 70819113115 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143253. $\frac{9}{13}$

70819143254. $\frac{15}{4}$

70819143255. $\frac{13}{9}$

70819143256. $\frac{1}{13}$

Question Number : 10 Question Id : 70819113116 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 :

70819143257. $\frac{7}{20}$

70819143258. $\frac{1}{20}$

70819143259. $\frac{19}{20}$

70819143260. $\frac{12}{20}$

**Question Number : 10 Question Id : 70819113116 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143257. $\frac{7}{20}$

70819143258. $\frac{1}{20}$

70819143259. $\frac{19}{20}$

70819143260. $\frac{12}{20}$

**Question Number : 11 Question Id : 70819113117 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 :

70819143261. $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$

70819143262. $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819143263. $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

70819143264. $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$

Question Number : 11 Question Id : 70819113117 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143261. $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$

70819143262. $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819143263. $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

70819143264. $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$

Question Number : 12 Question Id : 70819113118 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 :

70819143265. 2

70819143266. 3

70819143267. 4

70819143268. 1

Question Number : 12 Question Id : 70819113118 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143265. 2

70819143266. 3

70819143267. 4

70819143268. 1

Question Number : 13 Question Id : 70819113119 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 :

70819143269. $x^2 + y^2 - 2x + 4y + 3 = 0$

70819143270. $x^2 + y^2 - 4x - 2y + 4 = 0$

70819143271. $2(x^2 + y^2) - x + y + 1 = 0$

70819143272. $x^2 + y^2 - 2x - 4y + 3 = 0$

Question Number : 13 Question Id : 70819113119 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143269. $x^2 + y^2 - 2x + 4y + 3 = 0$

70819143270. $x^2 + y^2 - 4x - 2y + 4 = 0$

70819143271. $2(x^2 + y^2) - x + y + 1 = 0$

70819143272. $x^2 + y^2 - 2x - 4y + 3 = 0$

Question Number : 14 Question Id : 70819113120 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 :

70819143273. $y+3=0$ and $x-1=0$

70819143274. $x-3=0$ and $y+1=0$

70819143275. $x+3=0$ and $x-1=0$

70819143276. $y+3=0$ and $y-1=0$

Question Number : 14 Question Id : 70819113120 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

ସମୀକରଣ ଗୁଡ଼ିକ ଅଟେ :

Options :

70819143273. $y+3=0$ ଏବଂ $x-1=0$

70819143274. $x-3=0$ ଏବଂ $y+1=0$

70819143275. $x+3=0$ ଏବଂ $x-1=0$

70819143276. $y+3=0$ ଏବଂ $y-1=0$

Question Number : 15 Question Id : 70819113121 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 :

70819143277. $\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$

70819143278. $\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$

70819143279. $\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$

70819143280. $\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$

Question Number : 15 Question Id : 70819113121 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143277. $\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$

70819143278. $\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$

70819143279. $\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$

70819143280. $\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$

Question Number : 16 Question Id : 70819113122 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 :

70819143281. $s=5, t=13$

70819143282. $s \neq 5$

70819143283. $s=5, t \neq 13$

70819143284. $t \neq 13$

Question Number : 16 Question Id : 70819113122 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

' s ' ଏବଂ ' t ' ର କେଉଁ ମୂଲ୍ୟ ପାଇଁ

$$x_1 + x_2 + x_3 = 5$$

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

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

ଏହି ସହସମୀକରଣ ଗୁଡ଼ିକର ସମାଧାନ ନାହିଁ ?

Options :

70819143281. $s=5, t=13$

70819143282. $s \neq 5$

70819143283. $s=5, t \neq 13$

70819143284. $t \neq 13$

Question Number : 17 Question Id : 70819113123 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 :

70819143285. 1

70819143286. -1

70819143287. 0

70819143288. 2

Question Number : 17 Question Id : 70819113123 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143285. 1

70819143286. -1

70819143287. 0

70819143288. 2

**Question Number : 18 Question Id : 70819113124 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 :

70819143289. $\frac{\pi}{6}$

70819143290. $\frac{\pi}{4}$

70819143291. $\frac{\pi}{3}$

70819143292. $\frac{5\pi}{12}$

**Question Number : 18 Question Id : 70819113124 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

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

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

Options :

70819143289. $\frac{\pi}{6}$

70819143290. $\frac{\pi}{4}$

70819143291. $\frac{\pi}{3}$

70819143292. $\frac{5\pi}{12}$

**Question Number : 19 Question Id : 70819113125 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 :

70819143293. $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819143294. $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819143295. $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819143296. $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

**Question Number : 19 Question Id : 70819113125 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143293. $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819143294. $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819143295. $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819143296. $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

Question Number : 20 Question Id : 70819113126 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 :

70819143297. $[-5, -4] \cup [4, 5]$

70819143298. $[-5, 4] \cup (-4, 5]$

70819143299. $(-5, -4) \cup (4, 5)$

70819143300. $(-5, 4) \cup (-4, 5)$

Question Number : 20 Question Id : 70819113126 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143297. $[-5, -4] \cup [4, 5]$

70819143298. $[-5, 4] \cup (-4, 5]$

70819143299. $(-5, -4) \cup (4, 5)$

70819143300. $(-5, 4) \cup (-4, 5)$

Mathematics Section B

Section Id :	708191454
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 :	708191734
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 70819113127 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 :** 70819113127 **Question Type :** SA

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

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

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 :** 70819113128 **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 : 70819113128 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

9tan²θ + 4cot²θ ର ସର୍ବନିମ୍ନ ମୂଲ୍ୟ ଅଟେ _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 23 Question Id : 70819113129 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 : 70819113129 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 24 **Question Id :** 70819113130 **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 :** 70819113130 **Question Type :** SA

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

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 25 **Question Id :** 70819113131 **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 :** 70819113131 **Question Type :** SA

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

ଯଦି $x^2+x+1=0$, ତେବେ $-\left\{\left(x-\frac{1}{x}\right)^2+\left(x^2-\frac{1}{x^2}\right)^2+\left(x^3-\frac{1}{x^3}\right)^2\right\}$ ର ମୂଲ୍ୟ _____ ।

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 :** 70819113132 **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 : 70819113132 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 27 Question Id : 70819113133 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 :** 70819113133 **Question Type :** SA

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

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 28 **Question Id :** 70819113134 **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 : 70819113134 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 29 Question Id : 70819113135 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 29 Question Id : 70819113135 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 30 Question Id : 70819113136 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 30 Question Id : 70819113136 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

ମନେକର A_1, A_2, A_3, \dots ଏକ ବର୍ଦ୍ଧିଷ୍ଣୁ ଗୁଣୋତ୍ତର (ପ୍ରଗତୀ) ଶ୍ରେଣୀ । ଯଦି $\frac{1}{A_4} + \frac{1}{A_8} = \frac{10}{63}$ ଏବଂ $A_5A_7 = 441$, ତେବେ $3(A_2 + A_4)$ ସମାନ ଅଟେ _____ ।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Aptitude Test

Section Id :	708191455
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	708191735
Question Shuffling Allowed :	Yes

Question Number : 31 Question Id : 70819113137 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 :

70819143311. United Nations Educational, Scientific & Cultural Organization.

70819143312. United Nations Educational Security Cultural Organization.

70819143313. United Nations Entrance Site Calling Organization.

70819143314. United Nations Educational, Sustainable & Cultural Organization.

Question Number : 31 Question Id : 70819113137 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି ଯୁନେସ୍କୋର ପୂର୍ଣ୍ଣରୂପ (ପୁଲଫର୍ମ) ଅଟେ ?

Options :

70819143311. ଯୁନାଇଟେଡ୍ ନେସନ୍ସ ଏକ୍ସକ୍ୟୁଟିଭ ନାଲ, ସାଇଣ୍ଟିଫିକ୍ ଏଣ୍ଡ କଲ୍ଚରାଲ୍ ଅରଗାନାଇଜେସନ୍

70819143312. ଯୁନାଇଟେଡ୍ ନେସନ୍ସ ଏକ୍ସକ୍ୟୁଟିଭ ନାଲ୍ ସିକ୍ସ୍ଟିଠି କଲ୍ଚରାଲ୍ ଅରଗାନାଇଜେସନ୍

70819143313. ଯୁନାଇଟେଡ୍ ନେସନ୍ସ ଏନଟ୍ରାନ୍ସ୍ ସାଇଟ୍ କଲିଙ୍ଗ୍ ଅରଗାନାଇଜେସନ୍

70819143314. ଯୁନାଇଟେଡ୍ ନେସନ୍ସ ଏକ୍ସକ୍ୟୁଟିଭ ନାଲ୍, ସର୍ଭିସ୍ ନେସନ୍ସ ଏଣ୍ଡ କଲ୍ଚରାଲ୍ ଅରଗାନାଇଜେସନ୍

Question Number : 32 Question Id : 70819113138 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List - I with List - II.

List - I

List - II

(I) Hall of Nation

(a)



(II) Falling Water, Pennsylvania

(b)



(III) Petronas Tower

(c)



(IV) Secretariat

(d)



Options :

70819143315. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819143316. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819143317. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819143318. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

Question Number : 32 Question Id : 70819113138 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା - I କୁ ତାଲିକା - II ସହିତ ମିଳାଅ ।

ତାଲିକା - I

(I) ହଲ୍ ଅଫ୍ ନେସନ୍

(II) ଫଲିଙ୍ଗ୍ ଡ୍ଵାରେ, ଯେନସିଲଭାନିଆ

(III) ଯେଟ୍ଟୋନାସ୍ ଗାଓ୍ଵାର

(IV) ସଚିବାଳୟ

ତାଲିକା - II



Options :

70819143315. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819143316. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819143317. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819143318. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

Question Number : 33 Question Id : 70819113139 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List - I with List - II.

List - I

(I) Kamru

(II) Delhi

(III) Fatehpur Sikri

(IV) Kolkata

List - II

(a) Victoria Memorial Hall

(b) Badrinath Temple

(c) Khirki Masjid

(d) Buland Darwaja

Options :

70819143319. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819143320. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819143321. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819143322. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

Question Number : 33 Question Id : 70819113139 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା - I କୁ ତାଲିକା - II ସହିତ ମିଳାଅ ।

ତାଲିକା - I

ତାଲିକା - II

- | | |
|---------------------|-----------------------------|
| (I) କାମରୁ | (a) ଭିକ୍ଟୋରିଆ ମେମୋରିଆଲ୍ ହଲ୍ |
| (II) ଦିଲ୍ଲୀ | (b) ବଦ୍ରୀନାଥ ମନ୍ଦିର |
| (III) ପଡ଼େପୁର ସିକରୀ | (c) ଖିରକୀ ମସଜିଦ୍ |
| (IV) କୋଲକାତା | (d) ବୁଲ୍ଡିଂ ଦରବାଜା |

Options :

70819143319. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819143320. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819143321. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819143322. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

Question Number : 34 Question Id : 70819113140 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List - I with List - II.

List - I

List - II

(I) Agra fort

(a)



(II) Atala Masjid

(b)



(III) Nalanda University

(c)



(IV) Jagannatha Temple

(d)



Options :

70819143323. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819143324. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819143325. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819143326. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

Question Number : 34 Question Id : 70819113140 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା - I କୁ ତାଲିକା - II ସହିତ ମିଳାଅ ।

ତାଲିକା - I

ତାଲିକା - II

(I) ଆଗ୍ରା ଦୁର୍ଗ

(a)



(II) ଅଳା ମସଜିଦ

(b)



(III) ନାଳନ୍ଦା ବିଶ୍ୱବିଦ୍ୟାଳୟ

(c)



(IV) ଜଗନ୍ନାଥ ମନ୍ଦିର

(d)



Options :

70819143323. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819143324. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819143325. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819143326. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

**Question Number : 35 Question Id : 70819113141 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 :

70819143327. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819143328. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819143329. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819143330. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

**Question Number : 35 Question Id : 70819113141 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା - I କୁ ତାଲିକା - II ସହିତ ମିଳାଅ ।

ତାଲିକା - I

ତାଲିକା - II

- (I) ଉଦ୍‌ବିନ୍ଦୁ ବଗିଚା
- (II) ବିଷ୍ଣୁ ମନ୍ଦିର
- (III) ହିଡ଼ିମ୍ବା ମନ୍ଦିର
- (IV) ହରି ମନ୍ଦିର

- (a) ମନାଲି
- (b) ଅମୃତସର
- (c) ପିନ୍‌ଜୋର
- (d) ବୁନିଆର

Options :

70819143327. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819143328. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819143329. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819143330. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

Question Number : 36 Question Id : 70819113142 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
 - (II) Siri Fort
 - (III) Golconda Fort
 - (IV) Fort William
- (a) Hyderabad
 - (b) Kolkata
 - (c) Delhi
 - (d) Jodhpur

Choose the correct answer from options given below :

Options :

70819143331. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819143332. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819143333. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819143334. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

**Question Number : 36 Question Id : 70819113142 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା - I କୁ ତାଲିକା - II ସହିତ ମିଳାଅ ।

ତାଲିକା - I	ତାଲିକା - II
(I) ମେହରନଗଡ଼ ଦୁର୍ଗ	(a) ହାଇଦ୍ରାବାଦ
(II) ସିରି ଦୁର୍ଗ	(b) କୋଲକାତା
(III) ଗୋଲକୋଣ୍ଡା ଦୁର୍ଗ	(c) ଦିଲ୍ଲୀ
(IV) ଉଲ୍ଲିୟମ୍ ଦୁର୍ଗ	(d) ଯୋଧପୁର

ନିମ୍ନଲିଖିତ ବିକଳ୍ପ ମଧ୍ୟରୁ ଠିକ୍ ଉତ୍ତର ବାଛି ଲେଖ :

Options :

70819143331. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819143332. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819143333. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819143334. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

**Question Number : 37 Question Id : 70819113143 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 :

70819143335. B.V. Doshi

70819143336. Arundhati Roy

70819143337. Revati Kamat

70819143338. Bimal Patel

Question Number : 37 Question Id : 70819113143 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

‘ଗତ୍ ଅଫ୍ ସ୍କୁଲ୍ ଥିଙ୍ଗ୍ସ’ ବହିଟି କେଉଁ ଭାରତୀୟ ବାସ୍ତୁକାର ଦ୍ୱାରା ଲେଖାଯାଇଛି ?

Options :

70819143335. ବି.ଭି ଦୋଷୀ

70819143336. ଅରୁଣ୍ଡତା ରାଏ

70819143337. ରେଭତୀ କାମତ୍

70819143338. ବିମଲ୍ ପଟେଲ

Question Number : 38 Question Id : 70819113144 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 :

70819143339. Gujarat

70819143340. West Bengal

70819143341. Tamil Nadu

70819143342. Rajasthan

Question Number : 38 Question Id : 70819113144 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

“ଝରୋଖା” ଏକ ପ୍ରକାର ଝରକା ଅଟେ ଯାହା ସାଧାରଣତଃ ଦେଖାଯାଏ :

Options :

70819143339. ଗୁଜରାଟ

70819143340. ପଶ୍ଚିମବଙ୍ଗ

70819143341. ତାମିଲନାଡୁ

70819143342. ରାଜସ୍ଥାନ

Question Number : 39 Question Id : 70819113145 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 :

70819143343. North-West side

70819143344. South-East side

70819143345. North side

70819143346. South-West side

Question Number : 39 Question Id : 70819113145 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଭାରତୀୟ ଉପମହାଦେଶରେ କେଉଁ ଦିଗରୁ ମୌସୁମୀ ବାୟୁ ପ୍ରବେଶ କରେ ?

Options :

70819143343. ଉତ୍ତର-ପଶ୍ଚିମ ପାର୍ଶ୍ୱ

70819143344. ଦକ୍ଷିଣ-ପୂର୍ବ ପାର୍ଶ୍ୱ

70819143345. ଉତ୍ତର ପାର୍ଶ୍ୱ

70819143346. ଦକ୍ଷିଣ - ପଶ୍ଚିମ ପାର୍ଶ୍ୱ

Question Number : 40 Question Id : 70819113146 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 :

70819143347. Bharat Bhavan in Bhopal

70819143348. LIC Building in Delhi

70819143349. Charminar in Hyderabad

70819143350. Victoria Memorial in Kolkata

Question Number : 40 Question Id : 70819113146 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁ କୋଠାଟି ଭାରତରେ କଲୋନିଆଲ୍ ସ୍ଥପତି ବିଜ୍ଞାନ ତାତ୍ତ୍ୱକୁ ଦର୍ଶାଏ ?

Options :

70819143347. ଭାରତ ଭବନ, ଭୋପାଳ

70819143348. ଏଲ୍.ଆଇ.ସି କୋଠା, ଦିଲ୍ଲୀ

70819143349. ଚାର୍ମିନାର, ହାଇଦ୍ରାବାଦ

70819143350. ଭିକ୍ଟୋରିଆ ମେମୋରିଆଲ୍, କୋଲକାତା

Question Number : 41 Question Id : 70819113147 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 :

70819143351. 420×590 (mm \times mm)

70819143352. 420×594 (mm \times mm)

70819143353. 297×420 (mm \times mm)

70819143354. 420×592 (mm \times mm)

Question Number : 41 Question Id : 70819113147 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A2 ଭୁଇଁଙ୍କ ସିଙ୍ଗର ଆକାର କେତେ ?

Options :

70819143351. 420×590 (mm \times mm)

70819143352. 420×594 (mm \times mm)

70819143353. 297×420 (mm \times mm)

70819143354. 420×592 (mm \times mm)

Question Number : 42 Question Id : 70819113148 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 :

70819143355. Chittor fort

70819143356. Jaigarh fort

70819143357. Bhangarh fort

70819143358. Amer fort

Question Number : 42 Question Id : 70819113148 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ବିଜୟ ସ୍ତମ୍ଭ ନିର୍ମାଣକ୍ଷେତ୍ର ମଧ୍ୟରୁ କେଉଁ ଦୁର୍ଗ ସହିତ ଜଡ଼ିତ ?

Options :

70819143355. ଚିତ୍ତୋର ଦୁର୍ଗ

70819143356. ଜୟଗଡ଼ ଦୁର୍ଗ

70819143357. ଭାଙ୍ଗଡ଼ ଦୁର୍ଗ

70819143358. ଆମେର ଦୁର୍ଗ

Question Number : 43 Question Id : 70819113149 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 :

70819143359. Sanjay Puri

70819143360. Vikram Lall

70819143361. Ashok Lall

70819143362. C. Sompura

Question Number : 43 Question Id : 70819113149 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143359. ସଂଜୟ ପୁରୀ

70819143360. ବିକ୍ରମ୍ ଲାଲ୍

70819143361. ଅଶୋକ ଲାଲ୍

70819143362. ସି. ସୋମପୁରା

Question Number : 44 Question Id : 70819113150 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'Volume Zero' Documentary is on which Architect ?

Options :

70819143363. Charles Correa

70819143364. Richard Mier

70819143365. Jasbir Sachdev

70819143366. Ranjit Sabliki

Question Number : 44 Question Id : 70819113150 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'ଭଲ୍ୟୁମ୍ ଜିରୋ' ପ୍ରାମାଣିକ ଚଳଚ୍ଚିତ୍ରଟି କେଉଁ ସ୍ଥାପତ୍ୟ ଉପରେ ?

Options :

70819143363. ଚାର୍ଲ୍ସ କୋରିଆ

70819143364. ରିଚାର୍ଡ୍ ମିଅର୍

70819143365. ଜର୍ଭର ସତଦେବ

70819143366. ରଞ୍ଜିତ ସବଲିକି

Question Number : 45 Question Id : 70819113151 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'Agenda 21' is declaration related with :

Options :

70819143367. Climate change

70819143368. Global warming

70819143369. Sustainable development

70819143370. Smart city

Question Number : 45 Question Id : 70819113151 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'ଏଜେଣ୍ଡା - 21' ଏକ ଘୋଷଣାମାମା ଯାହାର ସମ୍ପର୍କ ଅଛି :

Options :

70819143367. ଜଳବାୟୁ ପରିବର୍ତ୍ତନ

70819143368. ଭୂମଣ୍ଡଳୀୟ ଉତ୍ତାପ ବୃଦ୍ଧି (ଉତ୍ତାପନ)

70819143369. ସ୍ଥାୟୀ ବିକାଶ

70819143370. ସ୍ୱାଚ୍ଛ ସହର

Question Number : 46 Question Id : 70819113152 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 :

70819143371. Karnataka

70819143372. Orissa

70819143373. Maharashtra

70819143374. Uttar Pradesh

Question Number : 46 Question Id : 70819113152 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ସୁନାଖଣିଗୁଡ଼ିକ ଭାରତର କେଉଁ ରାଜ୍ୟରେ ଅବସ୍ଥିତ ?

Options :

70819143371. କର୍ଣ୍ଣାଟକ

70819143372. ଓଡ଼ିଶା

70819143373. ମହାରାଷ୍ଟ୍ର

70819143374. ଉତ୍ତର ପ୍ରଦେଶ

**Question Number : 47 Question Id : 70819113153 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 :

70819143375. North

70819143376. South

70819143377. East

70819143378. West

**Question Number : 47 Question Id : 70819113153 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

ଦକ୍ଷିଣ ଗୋଲାର୍ଦ୍ଧରେ ଛାୟାବିହୀନ ଆଲୋକ କେଉଁ ଦିଗରୁ ଆସେ ?

Options :

70819143375. ଉତ୍ତର

70819143376. ଦକ୍ଷିଣ

70819143377. ପୂର୍ବ

70819143378. ପଶ୍ଚିମ

Question Number : 48 Question Id : 70819113154 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 :

70819143379. B.V. Doshi

70819143380. Laurie Baker

70819143381. Raj Rewal

70819143382. Achyut Kanvinde

Question Number : 48 Question Id : 70819113154 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

କେଉଁ ପ୍ରଥମ ଭାରତୀୟ ବାସ୍ତୁକାର ପ୍ରିଜ୍‌କର ପୁରସ୍କାର 2018 ରେ ପାଇଥିଲେ ?

Options :

70819143379. ବି.ଭି ଦୋଷୀ

70819143380. ଲୋରି ବେକର

70819143381. ରାଜ ରେବାଲ୍

70819143382. ଅଚ୍ୟୁତ କାନ୍‌ଭିନ୍ଦେ

Question Number : 49 Question Id : 70819113155 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Word "Bungalow" has originated from :

Options :

70819143383. Bengalurm

70819143384. Banaras

70819143385. Bengal

70819143386. Bari

Question Number : 49 Question Id : 70819113155 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'ବଙ୍ଗଲୋ' ଶବ୍ଦଟି କେଉଁଠାରୁ ସୃଷ୍ଟି ହୋଇଛି ?

Options :

70819143383. ବେଙ୍ଗଲର୍ମ୍

70819143384. ବନାରସ୍

70819143385. ବେଙ୍ଗଲ୍

70819143386. ବାରି

Question Number : 50 Question Id : 70819113156 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 :

70819143387. Laurie Baker

70819143388. Louis Kahn

70819143389. Lutyen

70819143390. Le Corbusier

Question Number : 50 Question Id : 70819113156 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143387. ଲରି ବେକର

70819143388. ଲୁଇଶ୍ କାନ୍

70819143389. ଲୁଟ୍ୟେନ୍

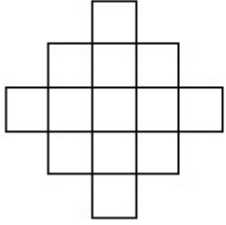
70819143390. ଲି. କରବୁଜିଅର

Question Number : 51 Question Id : 70819113157 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 :

70819143391. 14

70819143392. 13

70819143393. 15

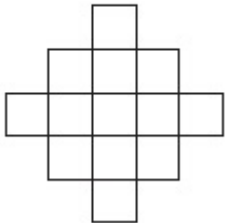
70819143394. 18

Question Number : 51 Question Id : 70819113157 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନ ଚିତ୍ରରେ କେତୋଟି ବର୍ଗକ୍ଷେତ୍ର ଅଛି ?



Options :

70819143391. 14

70819143392. 13

70819143393. 15

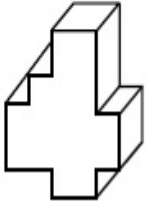
70819143394. 18

Question Number : 52 Question Id : 70819113158 Question Type : MCQ Option Shuffling : Yes

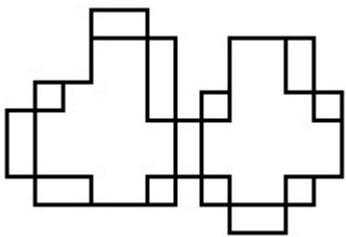
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

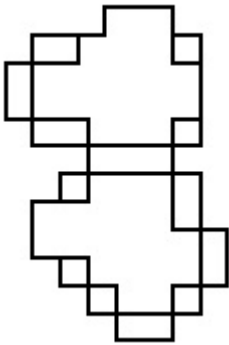
A drawing is provided with all the folds to construct the following three Dimensional object.
Select the correct one.



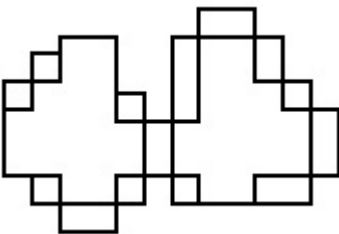
Options :



70819143395.

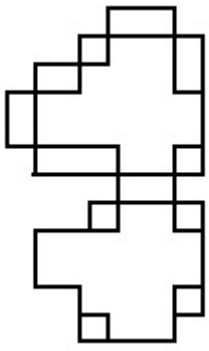


70819143396.



70819143397.

70819143398.



Question Number : 52 Question Id : 70819113158 Question Type : MCQ Option Shuffling : Yes

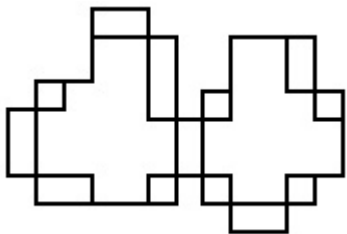
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

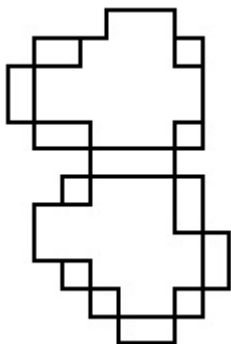
ନିମ୍ନଲିଖିତ 3-ବିମାଣ ବସ୍ତୁର ଚିତ୍ରଟି ସମସ୍ତ ଭାଗ ସହିତ ଚିତ୍ରାରି କରି ଯୋଗେଇ ଦିଆଯାଇ ଅଛି । ସଠିକ୍‌ଟିକୁ ବାଛି ।



Options :

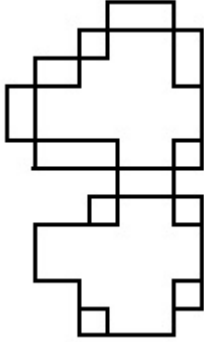
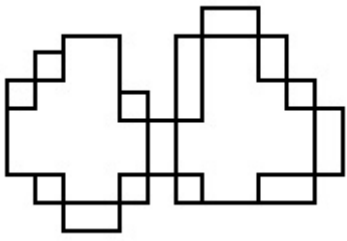


70819143395.



70819143396.

70819143397.



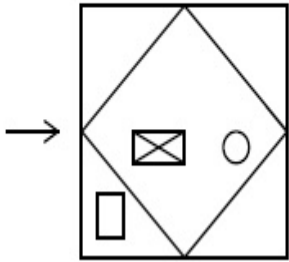
70819143398.

Question Number : 53 Question Id : 70819113159 Question Type : MCQ Option Shuffling : Yes

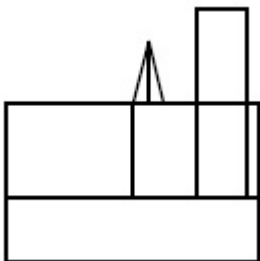
Is Question Mandatory : No

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.

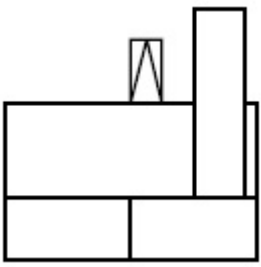


Options :

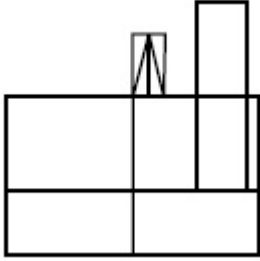


70819143399.

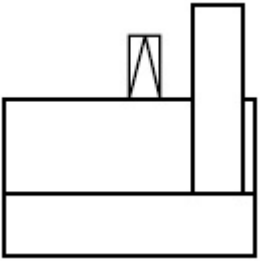
70819143400.



70819143401.



70819143402.

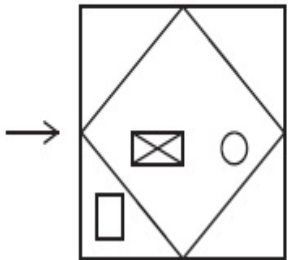


Question Number : 53 Question Id : 70819113159 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

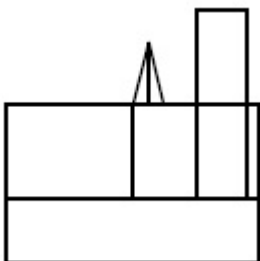
Correct Marks : 4 Wrong Marks : 1

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

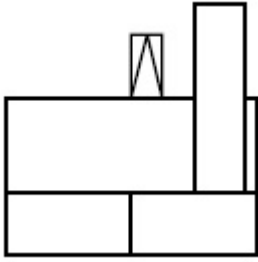


Options :

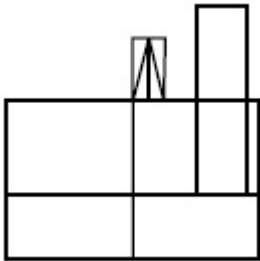
70819143399.



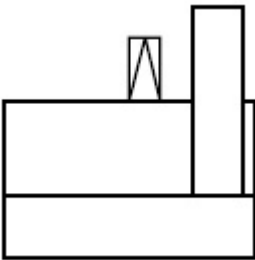
70819143400.



70819143401.



70819143402.

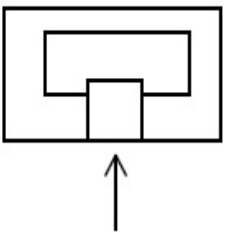


Question Number : 54 Question Id : 70819113160 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

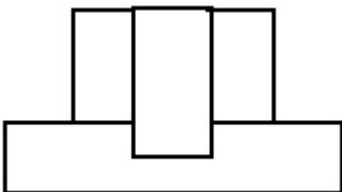
Correct Marks : 4 Wrong Marks : 1

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

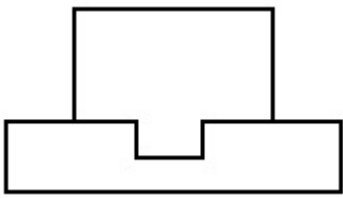


Options :

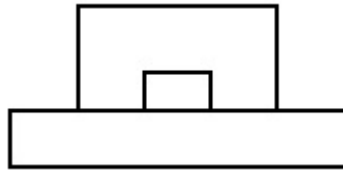
70819143403.



70819143404.



70819143405.



70819143406.

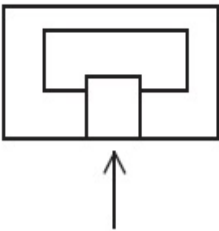


Question Number : 54 Question Id : 70819113160 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

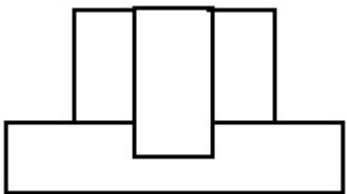
Correct Marks : 4 Wrong Marks : 1

ପ୍ରଶ୍ନଚିତ୍ର ବସ୍ତୁର ଉପରି ଭାଗର ଦୃଶ୍ୟଟିକୁ ଦର୍ଶାଇଛି । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଇଥିବା ତୀର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଏଲିଭେସନ୍‌ଟି ଚିହ୍ନଟା (ବାଛି) ।

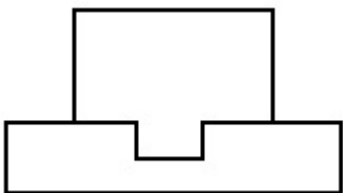


Options :

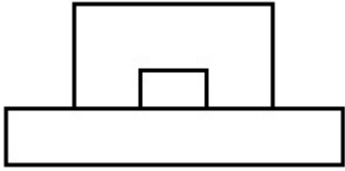
70819143403.



70819143404.



70819143405.



70819143406.

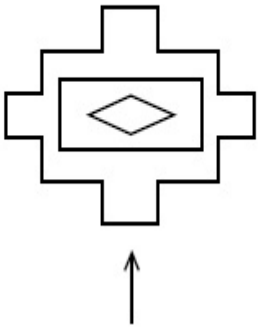


Question Number : 55 Question Id : 70819113161 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

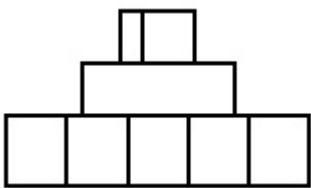
Correct Marks : 4 Wrong Marks : 1

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

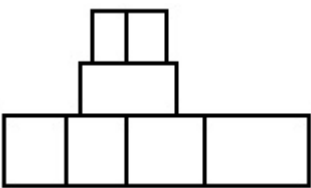


Options :

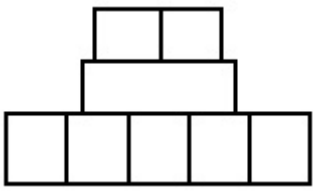
70819143407.



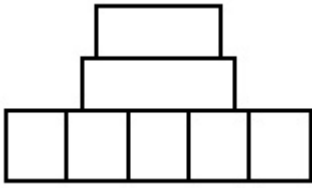
70819143408.



70819143409.



70819143410.

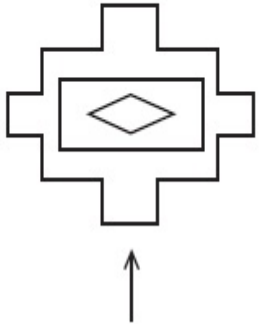


Question Number : 55 Question Id : 70819113161 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

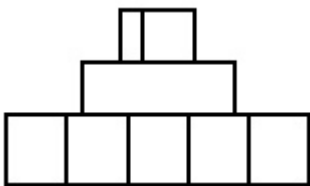
Correct Marks : 4 Wrong Marks : 1

ପ୍ରଶ୍ନଟିରୁ ବସ୍ତୁର ଉପରି ଭାଗର ଦୃଶ୍ୟଟିକୁ ଦର୍ଶାଇଛି । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ତୀର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଏଲିଭେସନ୍ ଟି ବାଛି ।

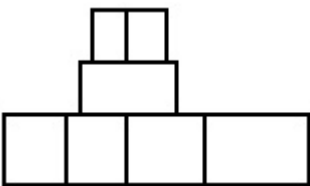


Options :

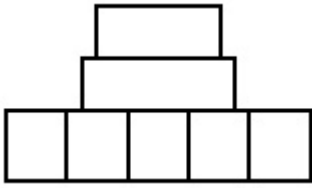
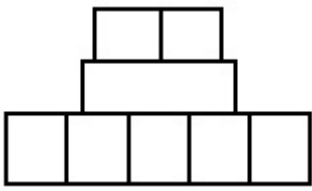
70819143407.



70819143408.



70819143409.



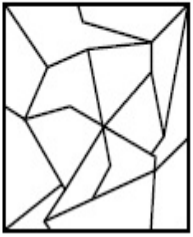
70819143410.

Question Number : 56 Question Id : 70819113162 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 :

70819143411.



70819143412.



70819143413.



70819143414.

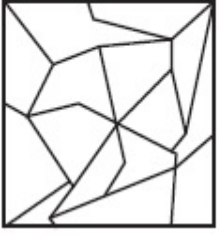


Question Number : 56 Question Id : 70819113162 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

70819143411.

70819143412.

70819143413.

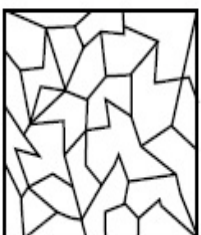
70819143414.

Question Number : 57 Question Id : 70819113163 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 :

70819143415.



70819143416.



70819143417.



70819143418.



**Question Number : 57 Question Id : 70819113163 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

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



Options :

70819143415.



70819143416.



70819143417.



70819143418.

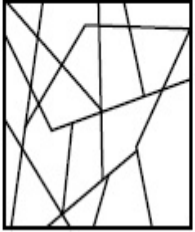


Question Number : 58 Question Id : 70819113164 Question Type : MCQ Option Shuffling : Yes

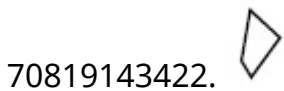
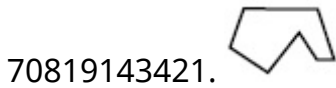
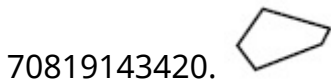
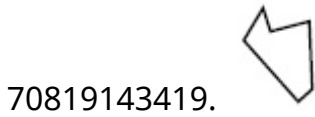
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

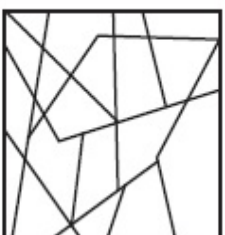


Question Number : 58 Question Id : 70819113164 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

70819143419.



70819143420.



70819143421.



70819143422.

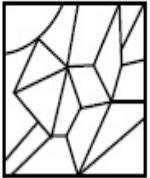


Question Number : 59 Question Id : 70819113165 Question Type : MCQ Option Shuffling : Yes

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 :

70819143423.



70819143424.



70819143425.



70819143426.



Question Number : 59 Question Id : 70819113165 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

70819143423.

70819143424.

70819143425.

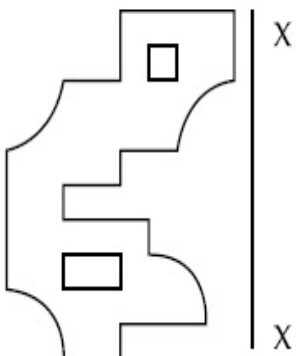
70819143426.

Question Number : 60 Question Id : 70819113166 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

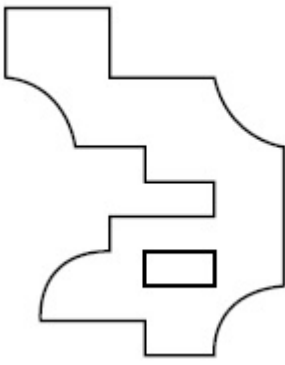
Correct Marks : 4 Wrong Marks : 1

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

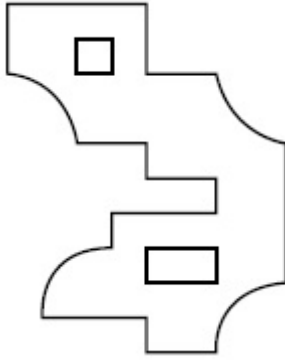


Options :

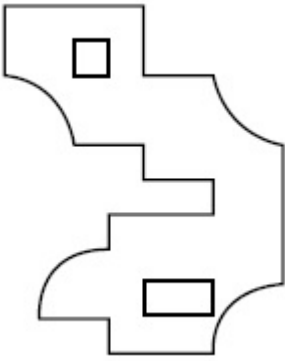
70819143427.



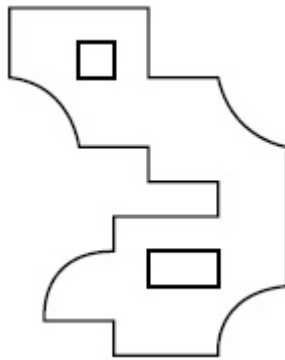
70819143428.



70819143429.

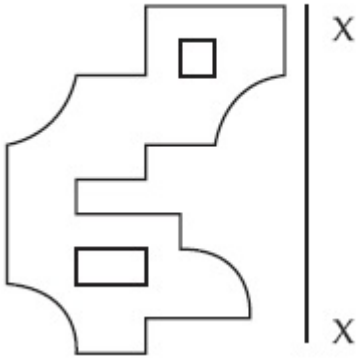


70819143430.

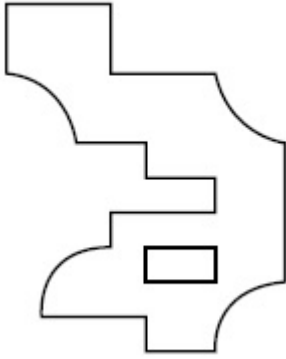


**Question Number : 60 Question Id : 70819113166 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1**

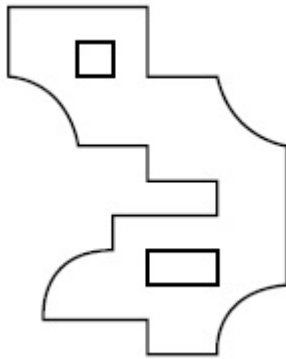
X-X ଅନୁଯାୟୀ କେଉଁ ଉତ୍ତର ଚିତ୍ରଟି ପ୍ରଶ୍ନଚିତ୍ରର ସଠିକ୍ ଦର୍ପଣ ପ୍ରତିବିମ୍ବ ଅଟେ ?



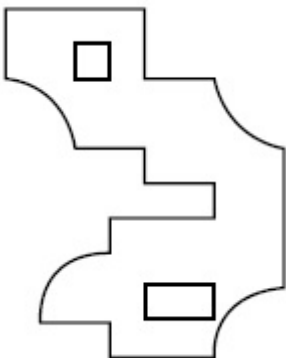
Options :



70819143427.

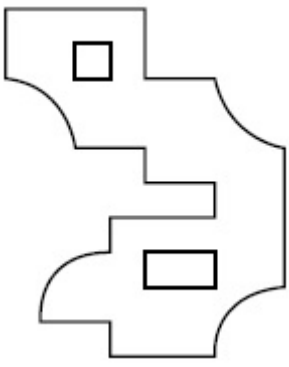


70819143428.



70819143429.

70819143430.

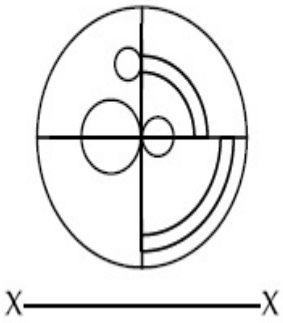


Question Number : 61 Question Id : 70819113167 Question Type : MCQ Option Shuffling : Yes

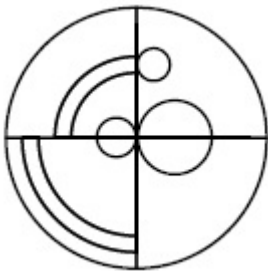
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

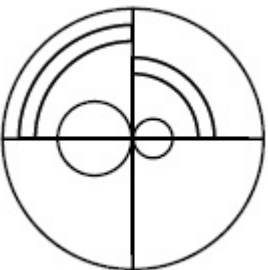
Which one of the answer figures is the correct mirror image of the problem figure with respect to X-X ?



Options :

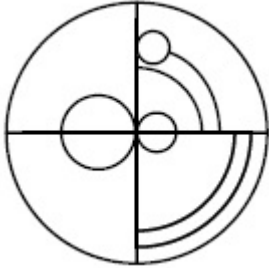
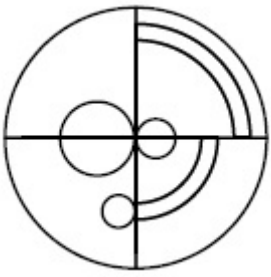


70819143431.



70819143432.

70819143433.

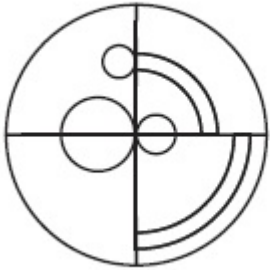


70819143434.

**Question Number : 61 Question Id : 70819113167 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

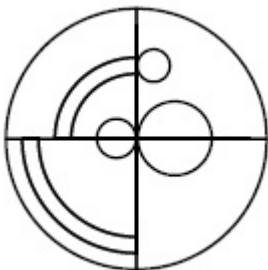
Correct Marks : 4 Wrong Marks : 1

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



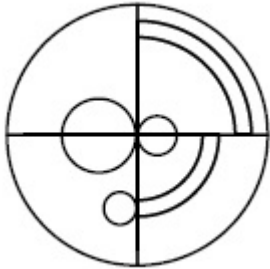
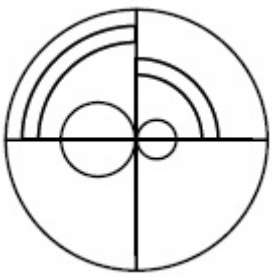
X ————— X

Options :

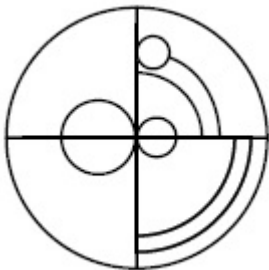


70819143431.

70819143432.



70819143433.



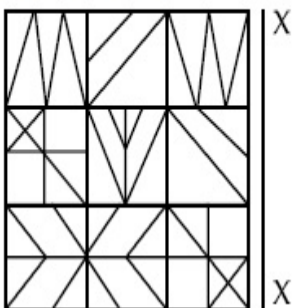
70819143434.

Question Number : 62 Question Id : 70819113168 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

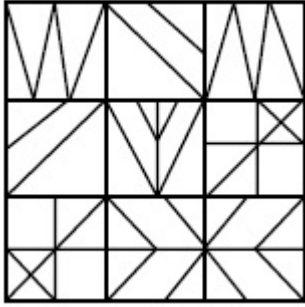
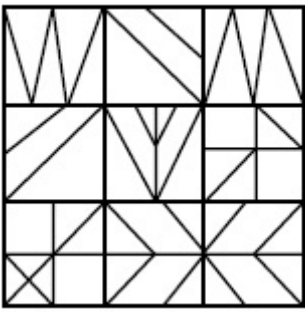
Correct Marks : 4 Wrong Marks : 1

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

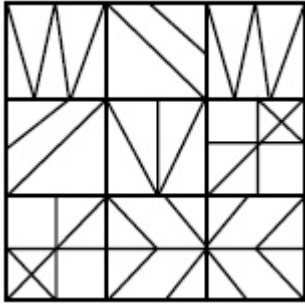


Options :

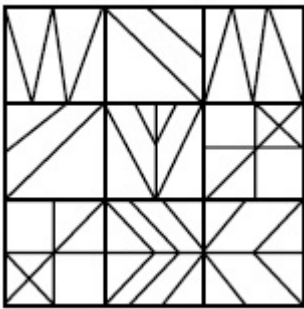
70819143435.



70819143436.



70819143437.



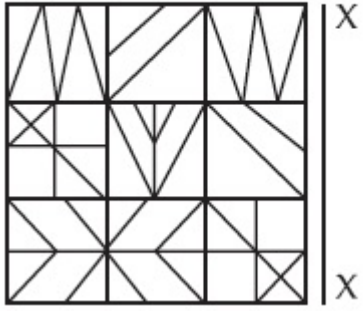
70819143438.

Question Number : 62 Question Id : 70819113168 Question Type : MCQ Option Shuffling : Yes

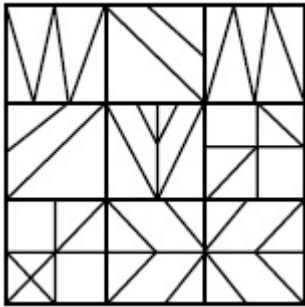
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

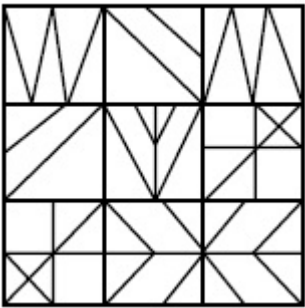
X-X ଅନୁଯାୟୀ କେଉଁ ଉତ୍ତର ଚିତ୍ରଟି ପ୍ରଶ୍ନଚିତ୍ରର ସଠିକ୍ ଦର୍ପଣ ପ୍ରତିବିମ୍ବ ଅଟେ ?



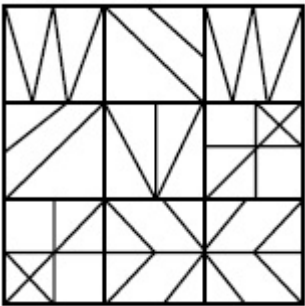
Options :



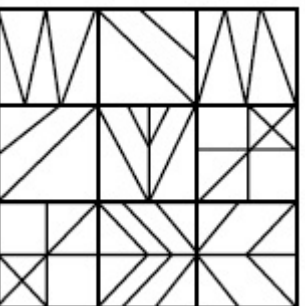
70819143435.



70819143436.



70819143437.



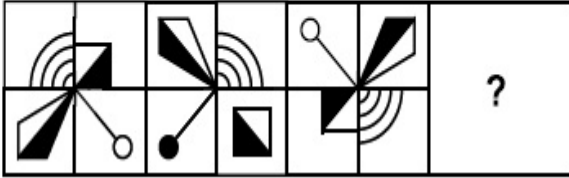
70819143438.

Question Number : 63 Question Id : 70819113169 Question Type : MCQ Option Shuffling : Yes

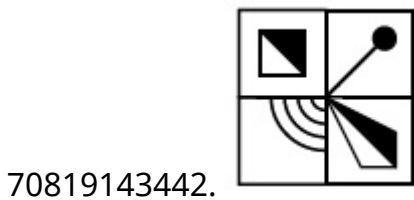
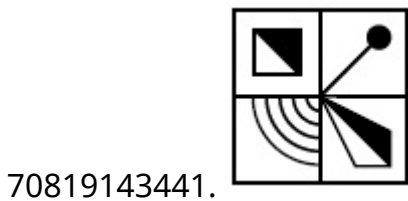
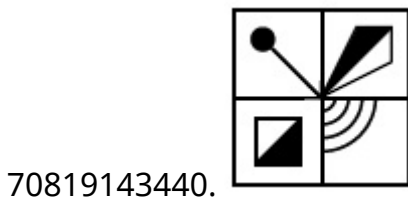
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

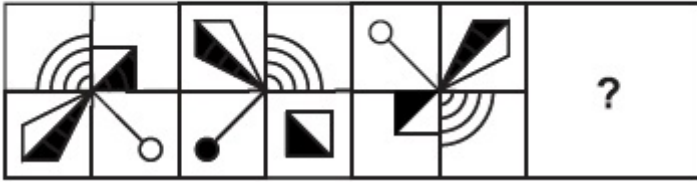


Question Number : 63 Question Id : 70819113169 Question Type : MCQ Option Shuffling : Yes

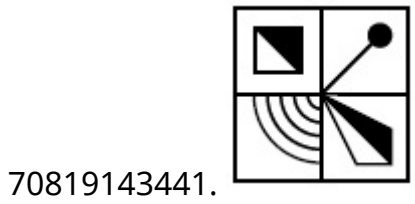
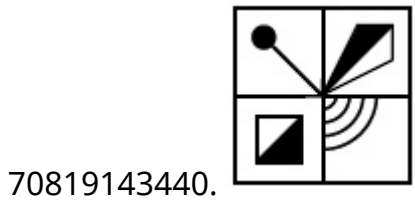
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

କେଉଁ ଉତ୍ତର ଚିତ୍ରଟି ଅନୁକ୍ରମ ଅନୁଯାୟୀ ପ୍ରଶ୍ନଚିତ୍ର ଗୁଡ଼ିକୁ ସଂପୂର୍ଣ୍ଣ କରୁଅଛି ?



Options :

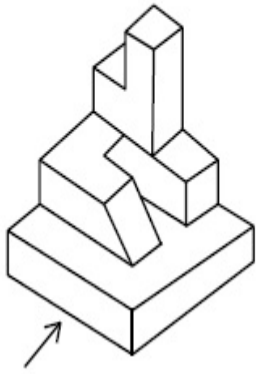


Question Number : 64 Question Id : 70819113170 Question Type : MCQ Option Shuffling : Yes

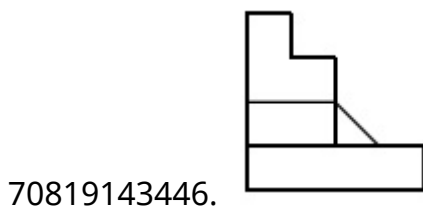
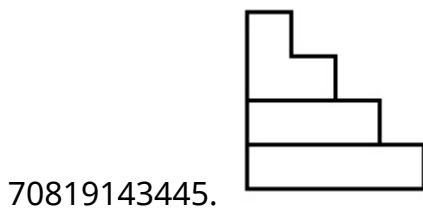
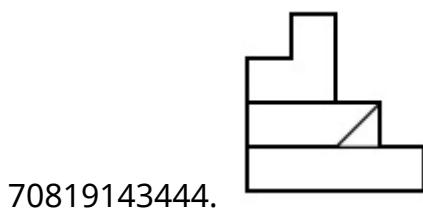
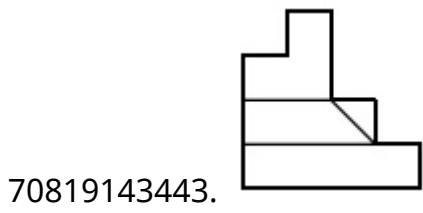
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

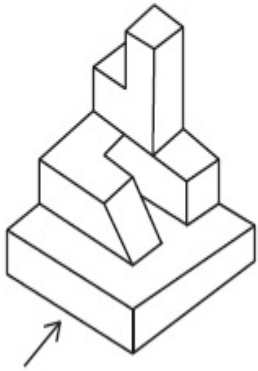


Question Number : 64 Question Id : 70819113170 Question Type : MCQ Option Shuffling : Yes

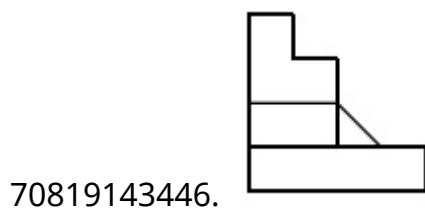
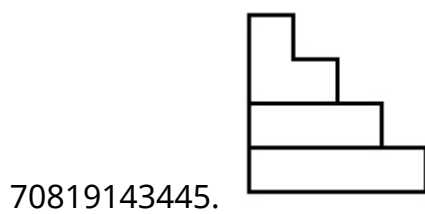
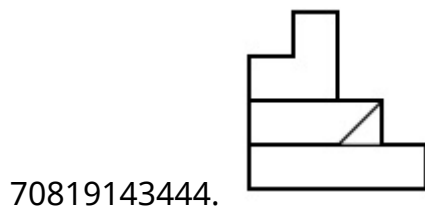
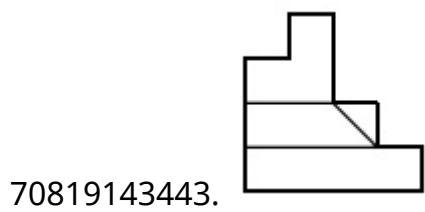
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

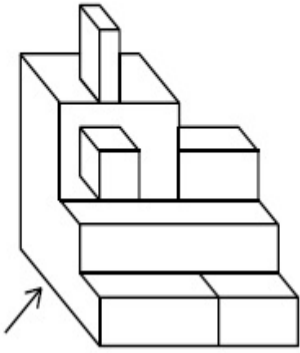


Options :

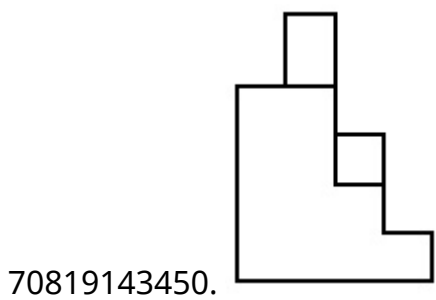
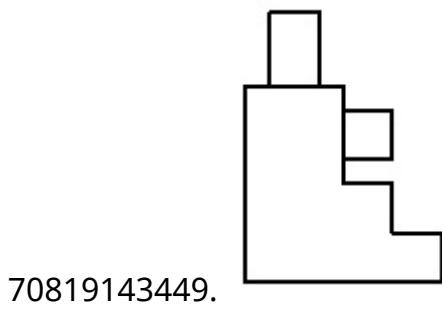
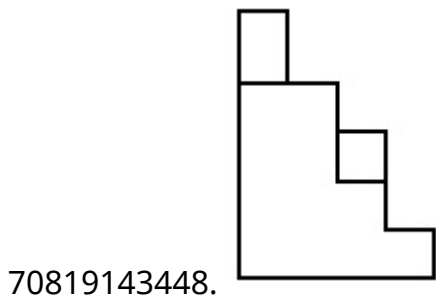
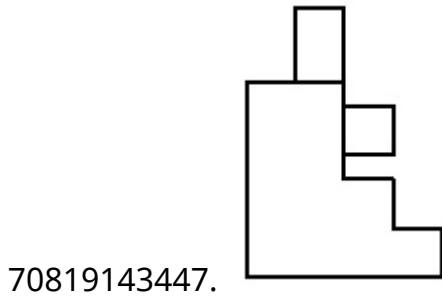


Question Number : 65 Question Id : 70819113171 Question Type : MCQ Option Shuffling : Yes
 Is Question Mandatory : No
 Correct Marks : 4 Wrong Marks : 1

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



Options :

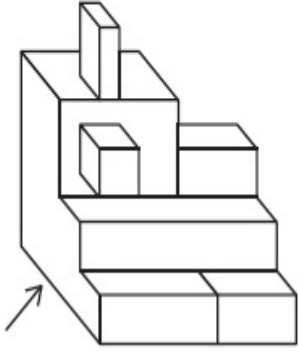


Question Number : 65 Question Id : 70819113171 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

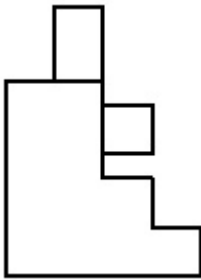
Correct Marks : 4 Wrong Marks : 1

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

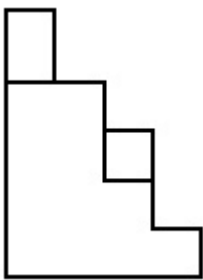


Options :

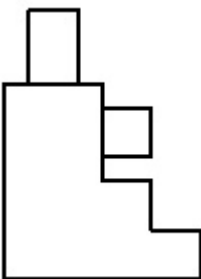
70819143447.



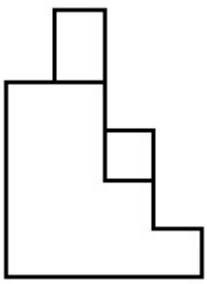
70819143448.



70819143449.



70819143450.

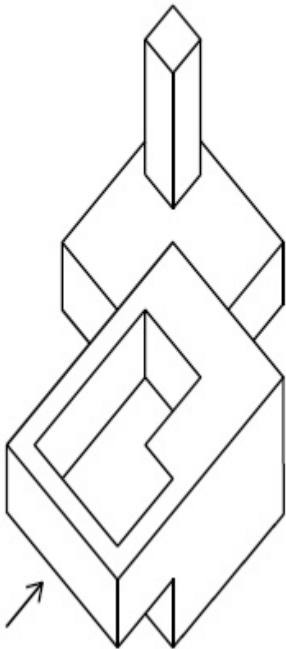


Question Number : 66 Question Id : 70819113172 Question Type : MCQ Option Shuffling : Yes

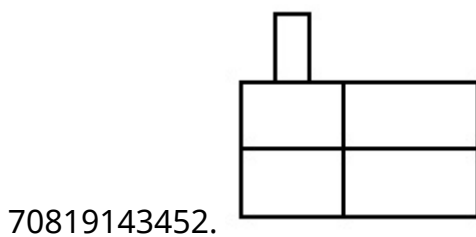
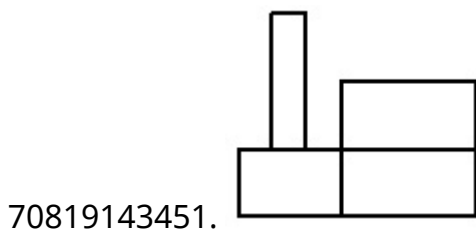
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

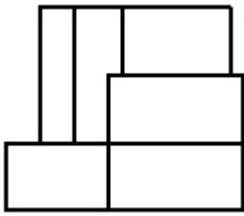
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



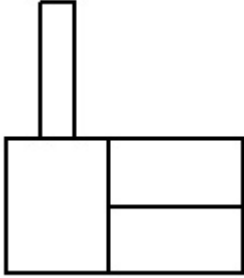
Options :



70819143453.



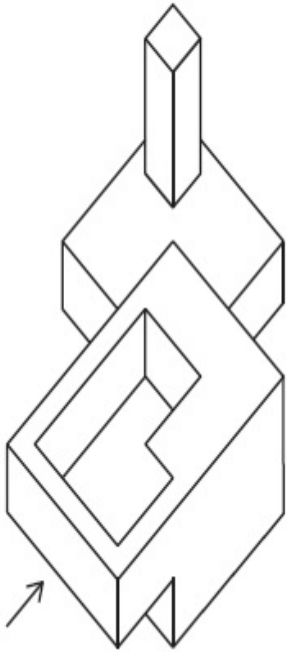
70819143454.



Question Number : 66 Question Id : 70819113172 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

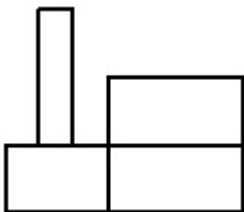
Correct Marks : 4 Wrong Marks : 1

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

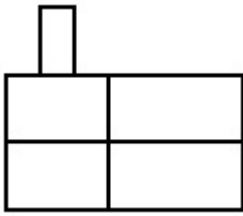


Options :

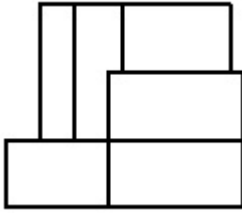
70819143451.



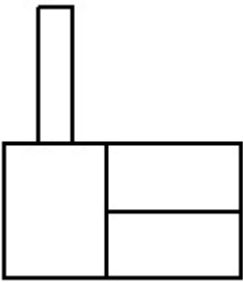
70819143452.



70819143453.



70819143454.

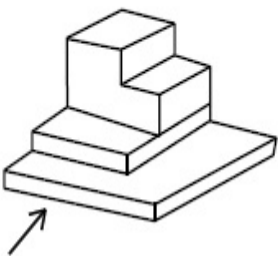


Question Number : 67 Question Id : 70819113173 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

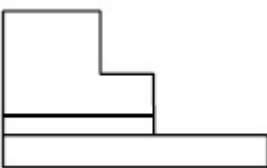
Correct Marks : 4 Wrong Marks : 1

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

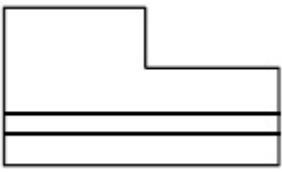


Options :

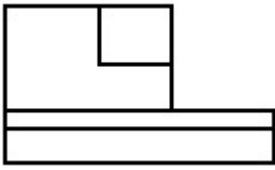
70819143455.



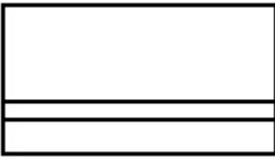
70819143456.



70819143457.



70819143458.

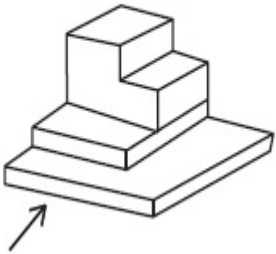


Question Number : 67 Question Id : 70819113173 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

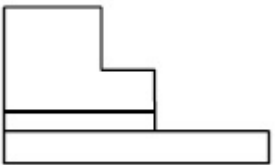
Correct Marks : 4 Wrong Marks : 1

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

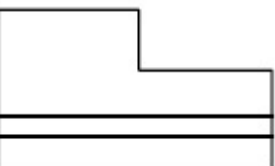


Options :

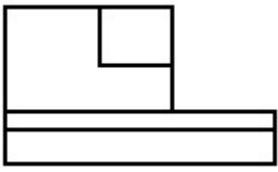
70819143455.



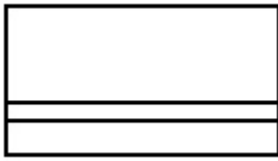
70819143456.



70819143457.



70819143458.

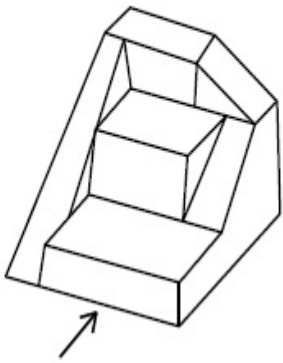


Question Number : 68 Question Id : 70819113174 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

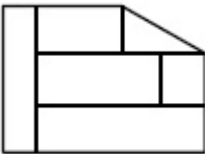
Correct Marks : 4 Wrong Marks : 1

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

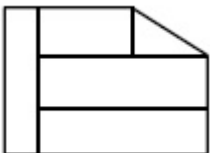


Options :

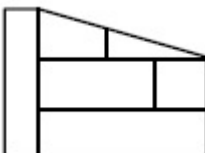
70819143459.



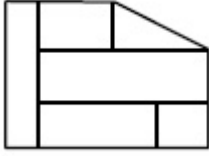
70819143460.



70819143461.



70819143462.

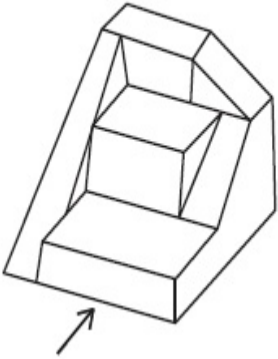


Question Number : 68 Question Id : 70819113174 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

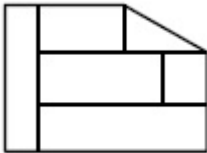
Correct Marks : 4 Wrong Marks : 1

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

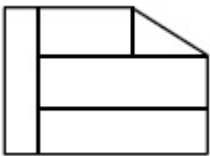


Options :

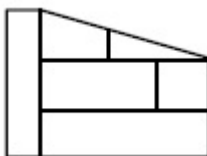
70819143459.



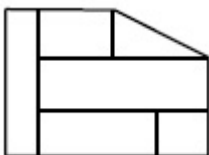
70819143460.



70819143461.



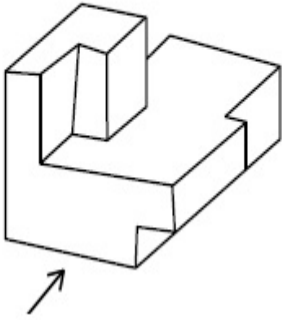
70819143462.



Question Number : 69 Question Id : 70819113175 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

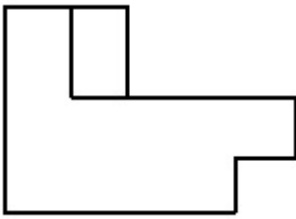
Correct Marks : 4 Wrong Marks : 1

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

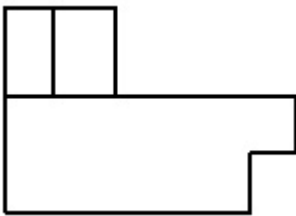


Options :

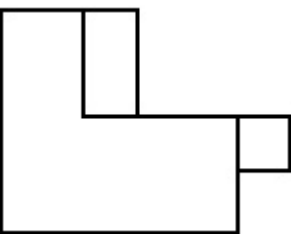
70819143463.



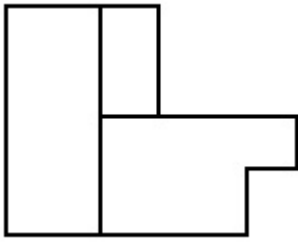
70819143464.



70819143465.



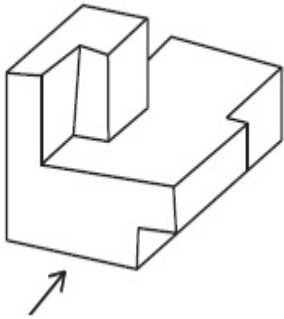
70819143466.



**Question Number : 69 Question Id : 70819113175 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

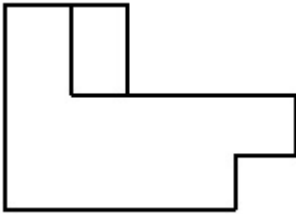
Correct Marks : 4 Wrong Marks : 1

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

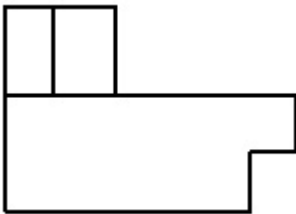


Options :

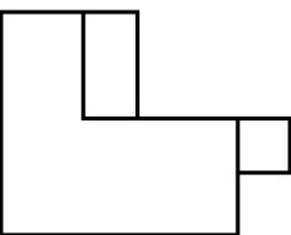
70819143463.



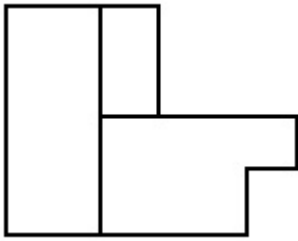
70819143464.



70819143465.



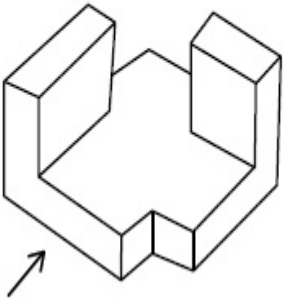
70819143466.



Question Number : 70 Question Id : 70819113176 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

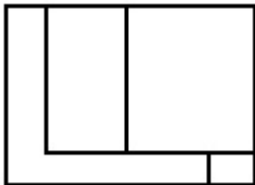
Correct Marks : 4 Wrong Marks : 1

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

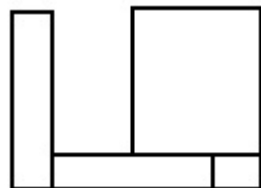


Options :

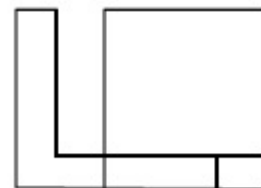
70819143467.



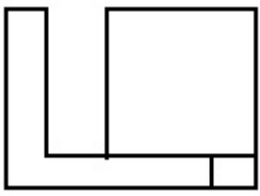
70819143468.



70819143469.



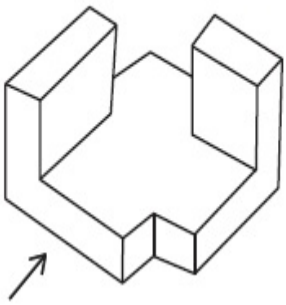
70819143470.



Question Number : 70 Question Id : 70819113176 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

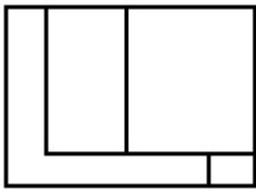
Correct Marks : 4 Wrong Marks : 1

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

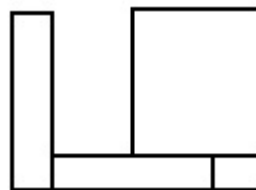


Options :

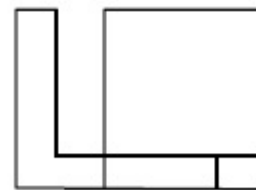
70819143467.



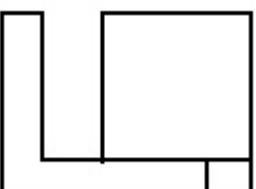
70819143468.



70819143469.



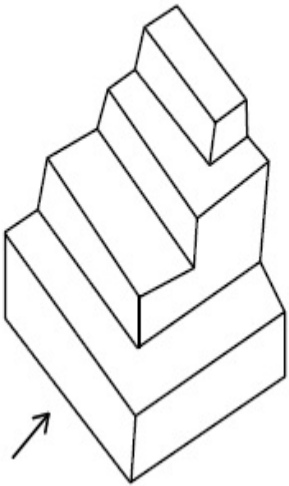
70819143470.



**Question Number : 71 Question Id : 70819113177 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

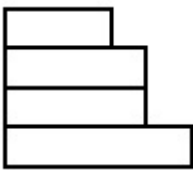
Correct Marks : 4 Wrong Marks : 1

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

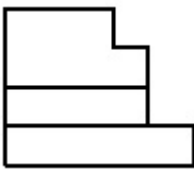


Options :

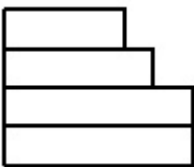
70819143471.



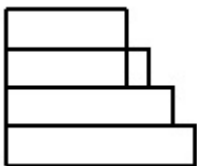
70819143472.



70819143473.



70819143474.

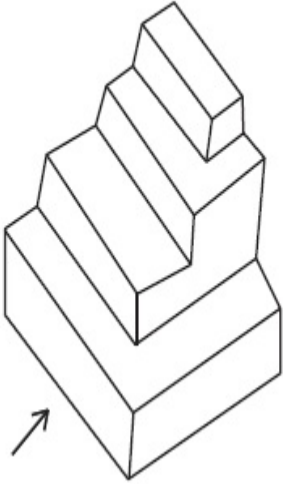


Question Number : 71 Question Id : 70819113177 Question Type : MCQ Option Shuffling : Yes

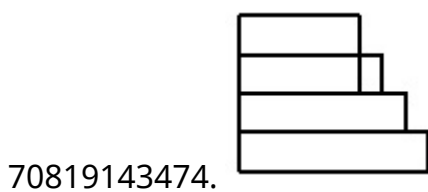
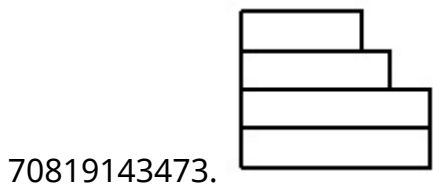
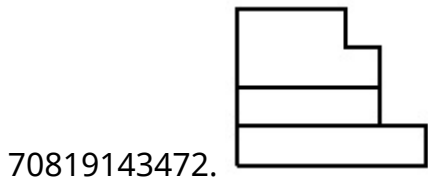
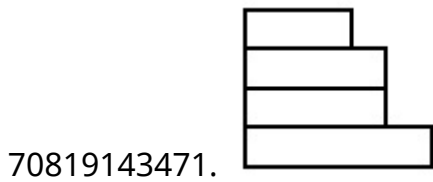
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

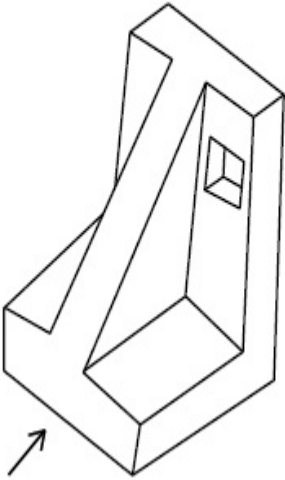


Question Number : 72 Question Id : 70819113178 Question Type : MCQ Option Shuffling : Yes

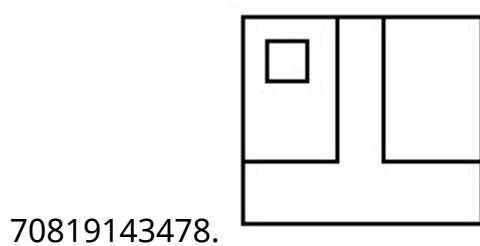
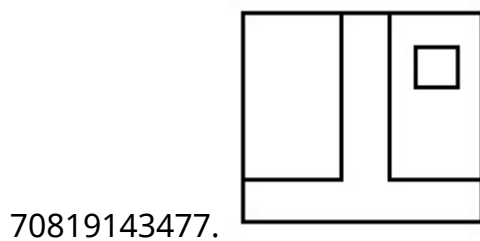
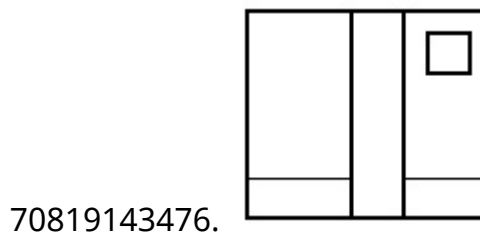
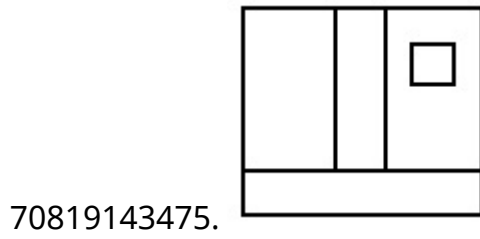
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

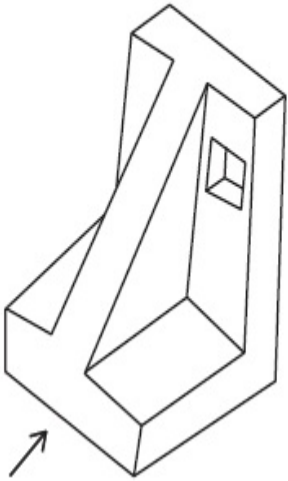


Question Number : 72 Question Id : 70819113178 Question Type : MCQ Option Shuffling : Yes

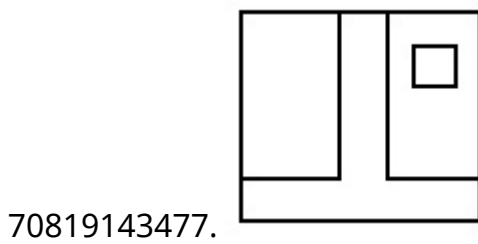
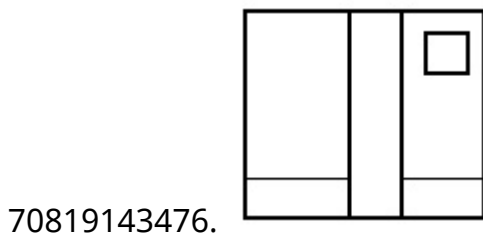
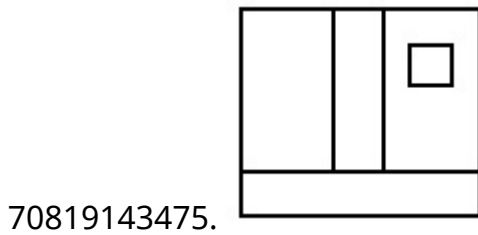
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

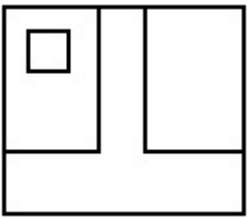
3-ବିମାନ୍ନ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଉଥିବା ଚାର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଦୃଶ୍ୟଟି ବାଛି ।



Options :



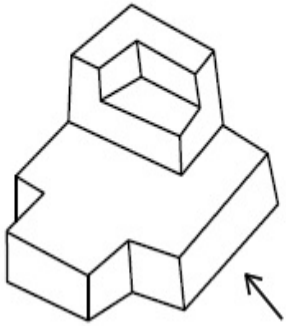
70819143478.



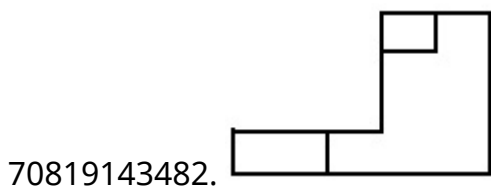
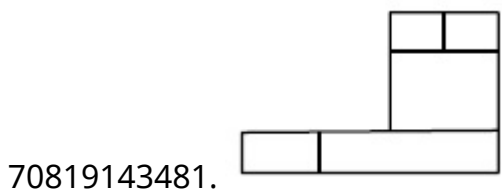
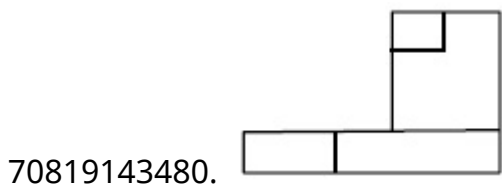
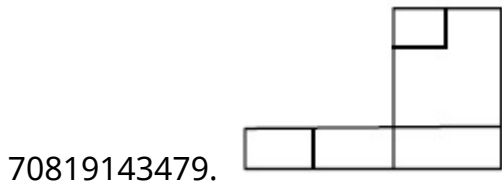
**Question Number : 73 Question Id : 70819113179 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

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



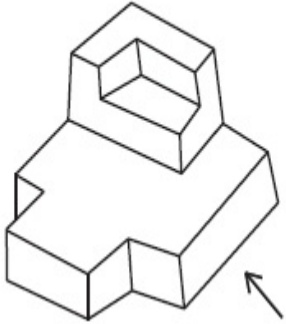
Options :



Question Number : 73 Question Id : 70819113179 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

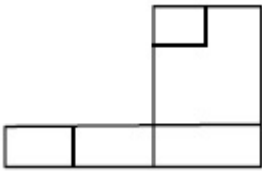
Correct Marks : 4 Wrong Marks : 1

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

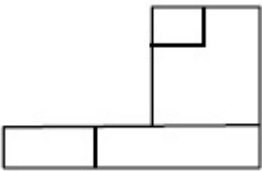


Options :

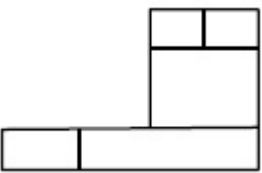
70819143479.



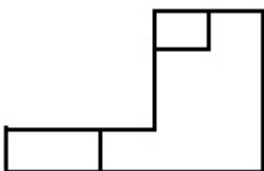
70819143480.



70819143481.



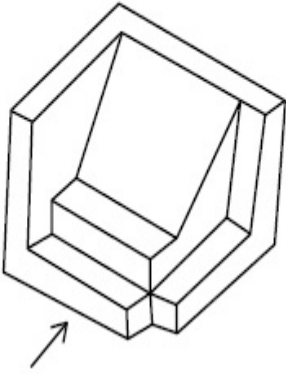
70819143482.



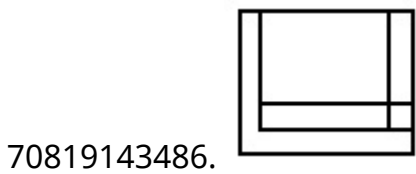
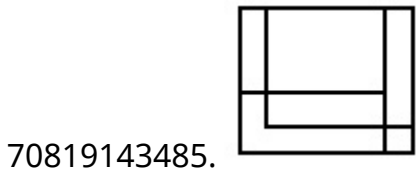
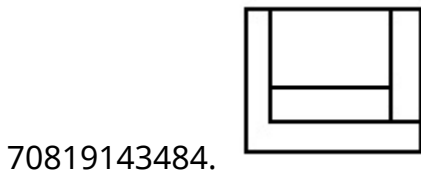
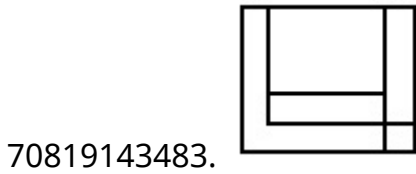
Question Number : 74 Question Id : 70819113180 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

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 :

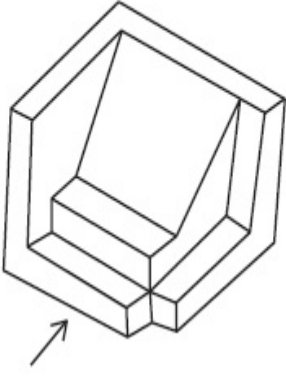


Question Number : 74 Question Id : 70819113180 Question Type : MCQ Option Shuffling : Yes

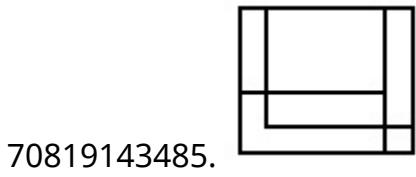
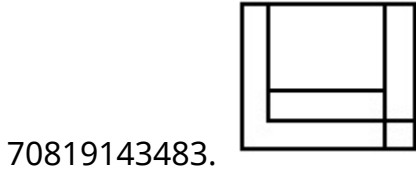
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

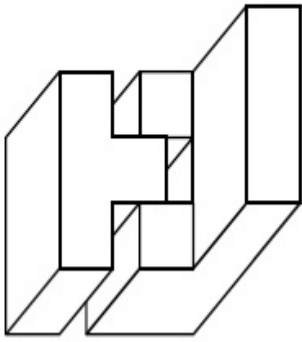


Question Number : 75 Question Id : 70819113181 Question Type : MCQ Option Shuffling : Yes

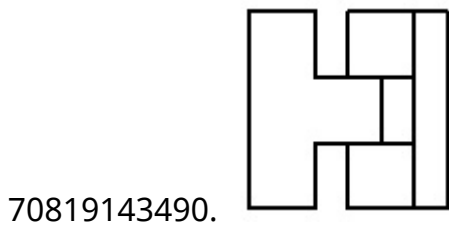
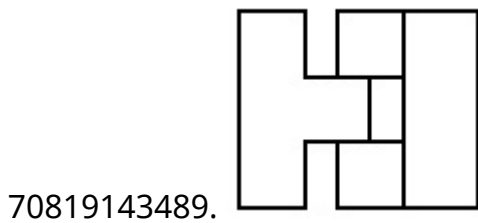
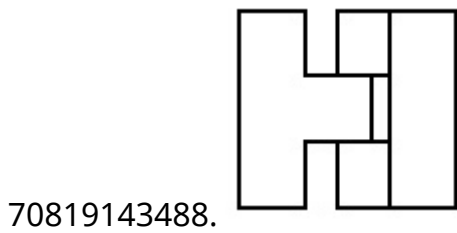
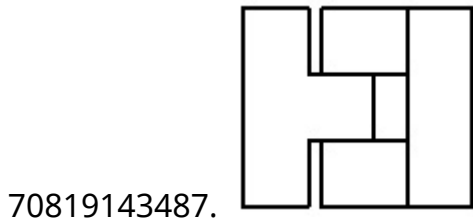
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

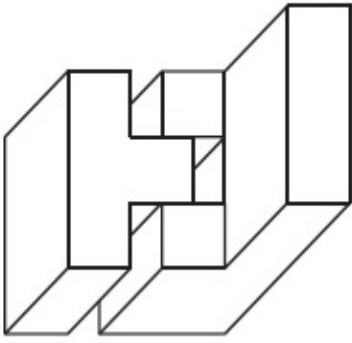


Question Number : 75 Question Id : 70819113181 Question Type : MCQ Option Shuffling : Yes

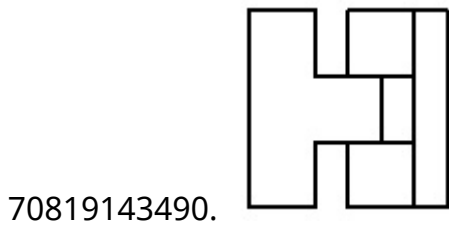
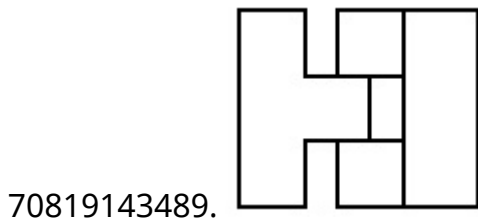
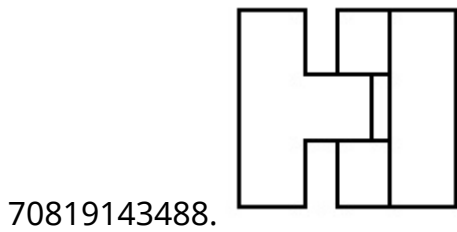
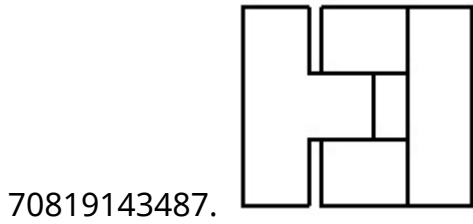
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

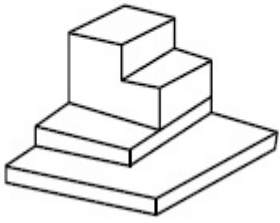


Question Number : 76 Question Id : 70819113182 Question Type : MCQ Option Shuffling : Yes

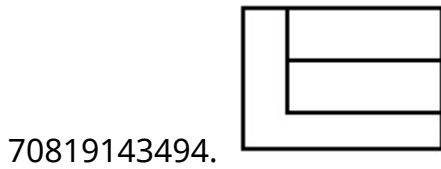
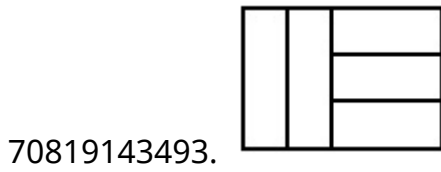
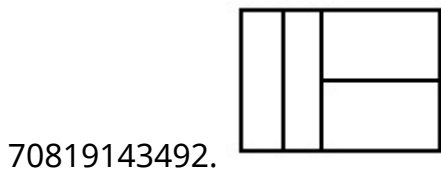
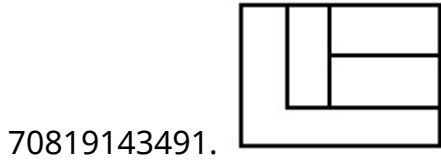
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

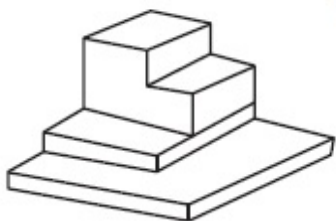


Question Number : 76 Question Id : 70819113182 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

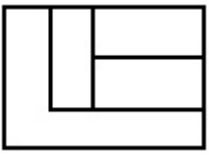
Correct Marks : 4 Wrong Marks : 1

ଓ-ବିମାନ୍ନ ଚିତ୍ରଟି ଗୋଟିଏ ବସ୍ତୁର ଦୃଶ୍ୟ ଦେଖାଏ । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରୁ ସଠିକ୍ ଶୀର୍ଷଦୃଶ୍ୟ ଚିତ୍ରଟି ବାଛି ।



Options :

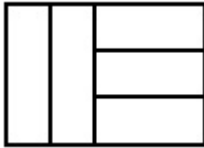
70819143491.



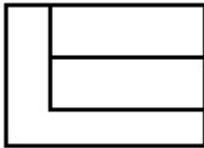
70819143492.



70819143493.



70819143494.

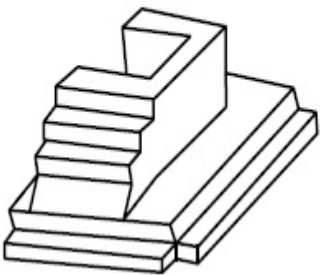


Question Number : 77 Question Id : 70819113183 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

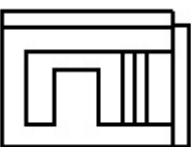
Correct Marks : 4 Wrong Marks : 1

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

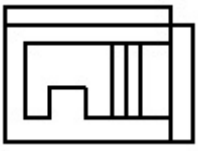


Options :

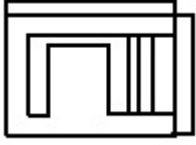
70819143495.



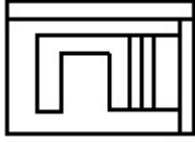
70819143496.



70819143497.



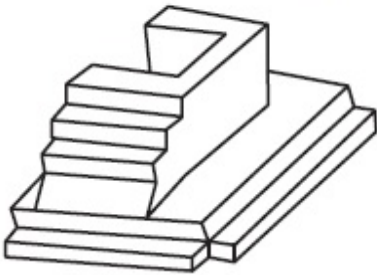
70819143498.



**Question Number : 77 Question Id : 70819113183 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

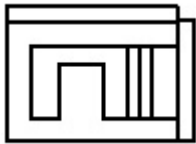
Correct Marks : 4 Wrong Marks : 1

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

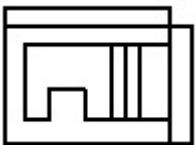


Options :

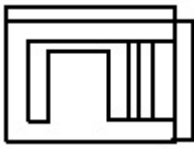
70819143495.



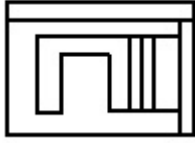
70819143496.



70819143497.



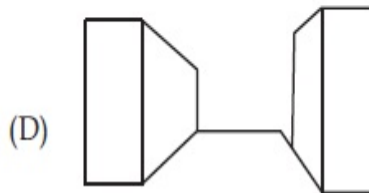
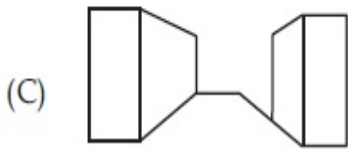
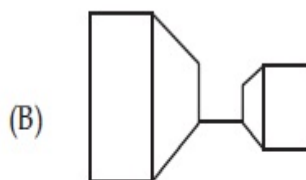
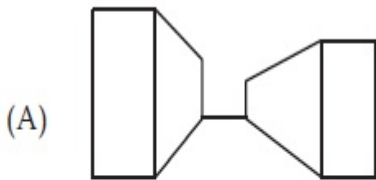
70819143498.



Question Number : 78 Question Id : 70819113184 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 :

70819143499. (A) and (B)

70819143500. (B) and (C)

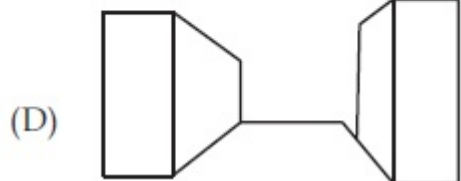
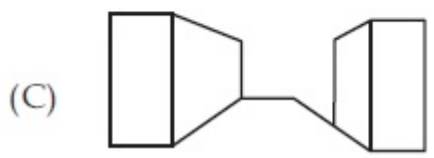
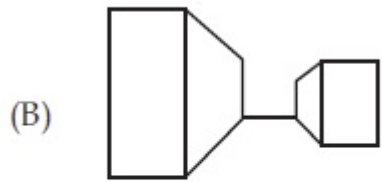
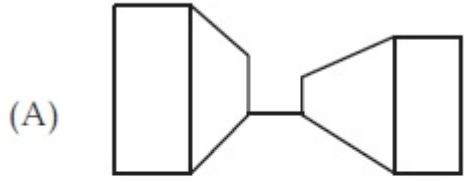
70819143501. (C) and (D)

70819143502. (D) and (A)

Question Number : 78 Question Id : 70819113184 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନଲିଖିତ ଉତ୍ତର ଚିତ୍ର ଗୁଡ଼ିକ ମଧ୍ୟରୁ କମ ଦୃଶ୍ୟମାନ ଚାପ ଥିବା ଅଜାଲିକା ସମୂହକୁ ଚିହ୍ନଟାଅ ।



Options :

70819143499. (A) and (B)

70819143500. (B) and (C)

70819143501. (C) and (D)

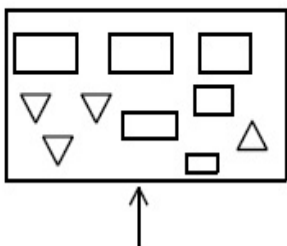
70819143502. (D) and (A)

Question Number : 79 Question Id : 70819113185 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

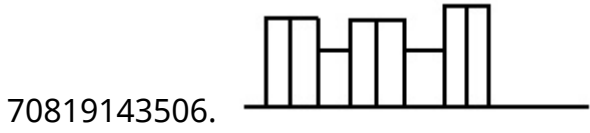
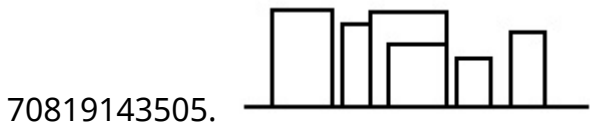
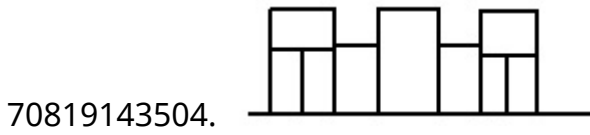
Correct Marks : 4 Wrong Marks : 1

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



Options :



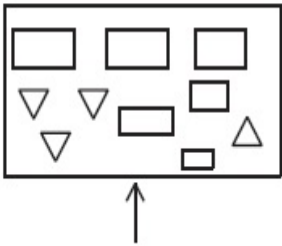


Question Number : 79 Question Id : 70819113185 Question Type : MCQ Option Shuffling : Yes

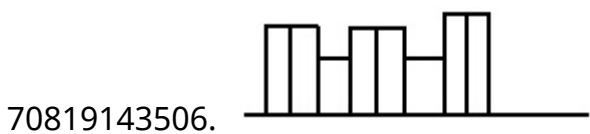
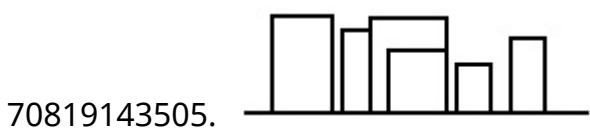
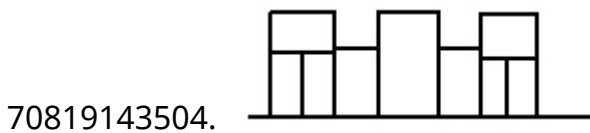
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



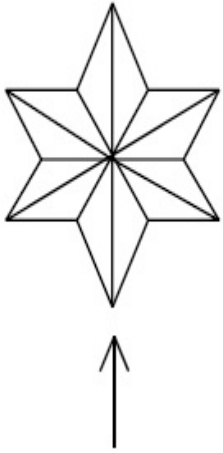
Options :



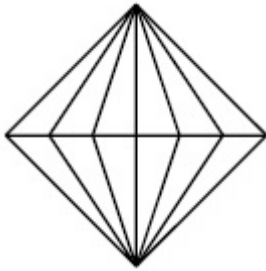
**Question Number : 80 Question Id : 70819113186 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

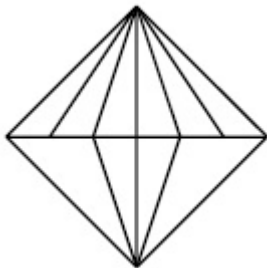
The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



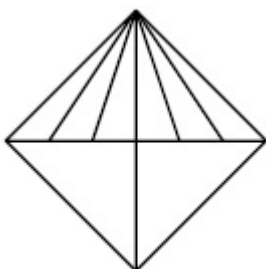
Options :



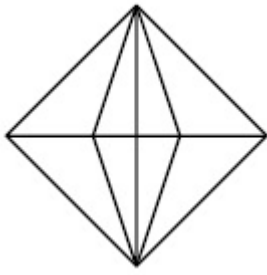
70819143507.



70819143508.



70819143509.



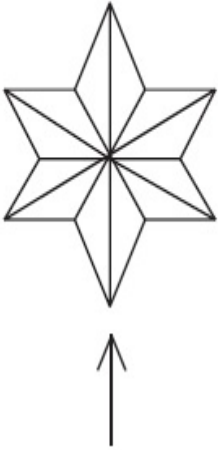
70819143510.

Question Number : 80 Question Id : 70819113186 Question Type : MCQ Option Shuffling : Yes

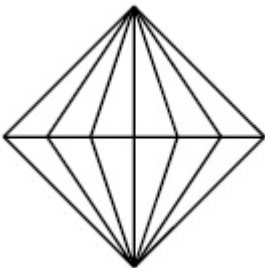
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

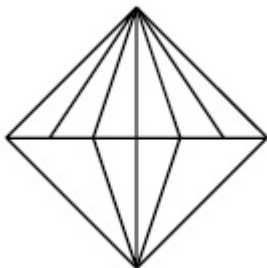
ପ୍ରଶ୍ନଚିତ୍ରଟି ବସ୍ତୁର ଶୀର୍ଷଦୃଶ୍ୟକୁ ଦର୍ଶାଇଛି । ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରେ ଦର୍ଶାଇଥିବା ତୀର ଦିଗ ଅନୁଯାୟୀ ସଠିକ୍ ଏଲିଭେସନ୍‌ଟି ଚିହ୍ନଟ କର ।



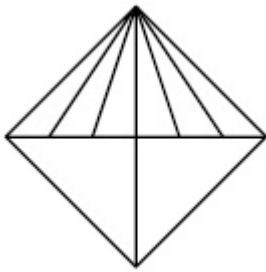
Options :



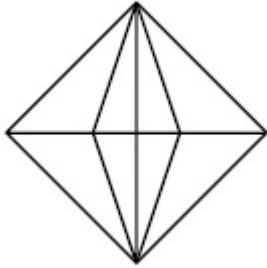
70819143507.



70819143508.



70819143509.



70819143510.

Planning

Section Id :	708191456
Section Number :	4
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	25
Number of Questions to be attempted :	25
Section Marks :	100
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	708191736
Question Shuffling Allowed :	Yes

Question Number : 81 Question Id : 70819113187 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 :

70819143511. Automobile

70819143512. Clothing and Textile

70819143513. Printing

70819143514. Iron and Steel

Question Number : 81 Question Id : 70819113187 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ପ୍ରଥମ ବିଶ୍ୱଯୁଦ୍ଧ ପୂର୍ବରୁ ଲଣ୍ଡନରେ ଏହି ଶିଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ କେଉଁଟି ତିଷ୍ଠି ନଥିଲା ?

Options :

70819143511. ମୋଟର କାର ବା ସ୍ୱୟଂ ଗତିଶୀଳ ଯନ୍ତ୍ର

70819143512. ଲୁଗା ଓ ତତ୍ତ୍ୱଗୁଣା ବସ୍ତ୍ର

70819143513. ଛାପାଖାନା

70819143514. ଲୁହା ଏବଂ ଲସ୍ୱାତ

Question Number : 82 Question Id : 70819113188 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 :

70819143515. Nitrogen

70819143516. Greenhouse gas

70819143517. Ozone

70819143518. Suspended Particulate Matter (SPM)

Question Number : 82 Question Id : 70819113188 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ବାୟୁମଣ୍ଡଳକୁ ନିର୍ଗତ ହେଉଥିବା _____ ର ପରିମାଣ ଏକ ଅଜ୍ଞାତ (କାର୍ବନ୍) ର ପଦ୍ଧତି ଅଟେ ।

Options :

70819143515. ଯବକ୍ଷାରକାନାଳ

70819143516. ସବୁଜଗୃହ ବାଷ୍ପ

70819143517. ଓଜନ

70819143518. ଭାସମାନ ବସ୍ତୁ କଣିକା (ଏସ୍.ପି.ଏମ୍)

Question Number : 83 Question Id : 70819113189 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 :

70819143519. $E \rightarrow D \rightarrow B \rightarrow A \rightarrow C$

70819143520. $E \rightarrow B \rightarrow C \rightarrow D \rightarrow A$

70819143521. $C \rightarrow A \rightarrow B \rightarrow D \rightarrow E$

70819143522. $A \rightarrow D \rightarrow C \rightarrow B \rightarrow E$

Question Number : 83 Question Id : 70819113189 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

- A. କୋଡ଼ାଇକେନାଲ୍
- B. କୁଲୁ
- C. ମାଉଣ୍ଡ ଆରୁ
- D. ପଞ୍ଚଗନ୍ଧି
- E. ପାହେଲ୍‌ଗାଓଁ

ଉପରୋକ୍ତ ପାର୍ବତ୍ୟାଞ୍ଚଳଗୁଡ଼ିକୁ ଠିକ୍ ଅନୁକ୍ରମରେ ଭାରତର ଦକ୍ଷିଣରୁ ଉତ୍ତର ଦିଗରେ ସଜାଅ ।
ନିମ୍ନରେ ଦିଆଯାଇଥିବା ବିକଳ୍ପଗୁଡ଼ିକରୁ ଠିକ୍ ଉତ୍ତର ଚୟନ କର ।

Options :

70819143519. $E \rightarrow D \rightarrow B \rightarrow A \rightarrow C$

70819143520. $E \rightarrow B \rightarrow C \rightarrow D \rightarrow A$

70819143521. $C \rightarrow A \rightarrow B \rightarrow D \rightarrow E$

70819143522. $A \rightarrow D \rightarrow C \rightarrow B \rightarrow E$

Question Number : 84 Question Id : 70819113190 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 :

70819143523. Mo HUA

70819143524. NITI Aayog

70819143525. NIUA

70819143526. PFI

Question Number : 84 Question Id : 70819113190 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଭାରତର ଯୋଜନା ଆୟୋଗକୁ ବଦଳା ଯାଇ _____ ହୋଇଛି ।

Options :

70819143523. ମହୁଆ (ଏମ.ଓ.ଏଚ୍.ୟୁ.ଏ)

70819143524. ନୀତି ଆୟୋଗ

70819143525. ନିଉଆ (ଏନ୍.ଆଇ.ୟୁ.ଏ)

70819143526. ପିଏଫ୍.ଆଇ (ପି.ଏଫ୍.ଆଇ)

Question Number : 85 Question Id : 70819113191 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 :

70819143527. 2005

70819143528. 2007

70819143529. 2009

70819143530. 2011

Question Number : 85 Question Id : 70819113191 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

କେବେ ସ୍ୱତନ୍ତ୍ର ଅର୍ଥନୀତି ଅଞ୍ଚଳ ଆଇନ୍ ବିଧିବଦ୍ଧକରଣ ହୋଇଥିଲା ?

Options :

70819143527. 2005

70819143528. 2007

70819143529. 2009

70819143530. 2011

Question Number : 86 Question Id : 70819113192 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 :

70819143531. National Horticulture Association of India.

70819143532. National Heritage Authority of India.

70819143533. National Hydroelectric Power Authority of India.

70819143534. National Highway Authority of India.

Question Number : 86 Question Id : 70819113192 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଏନ୍.ଏଚ୍.ଏ.ଆଇ.ର ପୂର୍ଣ୍ଣ ରୂପ କ'ଣ ? ଠିକ୍ ଉତ୍ତର ଚୟନ କର ।

Options :

70819143531. ଭାରତର ଜାତୀୟ ଉଦ୍ୟାନ ବିଦ୍ୟା ସଂଘ ।

70819143532. ଭାରତର ଜାତୀୟ ଐତିହ୍ୟ ପ୍ରାଧିକରଣ ।

70819143533. ଭାରତର ଜାତୀୟ ଜଳ ବିଦ୍ୟୁତ୍ ଶକ୍ତି ପ୍ରାଧିକରଣ ।

70819143534. ଭାରତର ଜାତୀୟ ରାଜପଥ ପ୍ରାଧିକରଣ ।

Question Number : 87 Question Id : 70819113193 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 :

70819143535. 15

70819143536. 16

70819143537. 17

70819143538. 18

Question Number : 87 Question Id : 70819113193 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ମିଳିତ ଜାତିସଙ୍ଘ ଦ୍ୱାରା କେତୋଟି ସ୍ଥାୟୀ ଉତ୍ପାଦନମୂଳକ ବିକାଶ ଲକ୍ଷ୍ୟ ଗ୍ରହଣ କରାଯାଇଥିଲା ?

Options :

70819143535. 15

70819143536. 16

70819143537. 17

70819143538. 18

Question Number : 88 Question Id : 70819113194 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 :

70819143539. 1947

70819143540. 1948

70819143541. 1950

70819143542. 1949

Question Number : 88 Question Id : 70819113194 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

କେଉଁ ବର୍ଷ ଭାରତ ସରକାରଙ୍କ ପ୍ରଥମ ଶିଳ୍ପନୀତି ଘୋଷଣା କରାଯାଇଥିଲା ?

Options :

70819143539. 1947

70819143540. 1948

70819143541. 1950

70819143542. 1949

Question Number : 89 Question Id : 70819113195 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 :

70819143543. superblocks

70819143544. radial pattern

70819143545. high rise development

70819143546. waterbased transport

Question Number : 89 Question Id : 70819113195 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ସ୍ୱେନ୍ର ବାର୍ଷିଲୋନା ସହରର ନିର୍ମାଣ ଯୋଜନା ଏହାର _____ ପାଇଁ ପରିଚିତ ।

Options :

70819143543. ଉର୍ଷ୍ ଅଜାଳିକା

70819143544. ରଶ୍ମି ସଦୃଶ ବିନ୍ୟାସ

70819143545. ଉଚ୍ଚ ପରିଦୃଷ୍ଟ ଉନ୍ନତି

70819143546. ଜଳପଥ ପରିବହନ

Question Number : 90 Question Id : 70819113196 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 :

70819143547. Durgapur

70819143548. Vishakhapatnam

70819143549. Bhubaneshwar

70819143550. Bhilai

Question Number : 90 Question Id : 70819113196 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ଏମାନଙ୍କ ମଧ୍ୟରୁ କେଉଁଟି ଶିଳ୍ପ ସହର ନୁହେଁ ?

Options :

70819143547. ଦୁର୍ଗାପୁର

70819143548. ବିଶାଖାପାଟଣା

70819143549. ଭୂବନେଶ୍ୱର

70819143550. ଭିଲ୍ଲାଇ

**Question Number : 91 Question Id : 70819113197 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 :

70819143551. AMRUT

70819143552. Make in India

70819143553. HRIDAY

70819143554. UDAY

**Question Number : 91 Question Id : 70819113197 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

ଭାରତ ସରକାରଙ୍କର ଏହି ଯୋଜନା / କାର୍ଯ୍ୟକ୍ରମ ଗୁଡ଼ିକ ମଧ୍ୟରୁ କେଉଁଟି ଐତିହ୍ୟ ସହର ଗୁଡ଼ିକ ସହ ଜଡ଼ିତ ?

Options :

70819143551. ଅମୃତ (AMRUT)

70819143552. ମେକ୍ ଇନ୍ ଇଣ୍ଡିଆ (Make in India)

70819143553. ହ୍ରିଦୟ (HRIDAY)

70819143554. ଉଦୟ (UDAY)

Question Number : 92 Question Id : 70819113198 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 :

70819143555. Tamil Nadu

70819143556. Karnataka

70819143557. Andhra Pradesh

70819143558. Kerala

Question Number : 92 Question Id : 70819113198 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନୋକ୍ତ କେଉଁ ଦକ୍ଷିଣ ଭାରତୀୟ ରାଜ୍ୟ ଏହାର ସମୁଦାୟ ଭୂତଳ ଜଳ ସଂଚଳର ସର୍ବାଧିକ ଭୂତଳ ଜଳ ଉପଯୋଗିତା(ଶତକଡ଼ା) ରହିଛି ?

Options :

70819143555. ତାମିଲ୍ ନାଡୁ

70819143556. କର୍ଣ୍ଣାଟକ

70819143557. ଆନ୍ଧ୍ରପ୍ରଦେଶ

70819143558. କେରଳ

**Question Number : 93 Question Id : 70819113199 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Survey of India was established in :

Options :

70819143559. 1886

70819143560. 1876

70819143561. 1866

70819143562. 1896

**Question Number : 93 Question Id : 70819113199 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

ଭାରତୀୟ ସର୍ବେକ୍ଷଣ ସଂସ୍ଥା _____ ମସିହାରେ ସ୍ଥାପିତ ହୋଇଥିଲା ।

Options :

70819143559. 1886

70819143560. 1876

70819143561. 1866

70819143562. 1896

Question Number : 94 Question Id : 70819113200 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Options :

70819143563. Lok Sabha

70819143564. State Legislative Assembly

70819143565. Cabinets

70819143566. Panchayati Raj bodies

Question Number : 94 Question Id : 70819113200 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

73 ତମ ସମ୍ବିଧାନ ସଂଶୋଧନ ଆଇନ (73rd CAA) 1992 ଅନୁସାରେ ସର୍ବପ୍ରଥମେ ମହିଳାଙ୍କ ପାଇଁ ଏକ ତୃତୀୟାଂଶ (1/3) ସ୍ଥାନ ସଂରକ୍ଷଣ ନିମ୍ନଲିଖିତ କେଉଁଠାରେ କରାଯାଇଥିଲା ?

Options :

70819143563. ଲୋକସଭା

70819143564. ରାଜ୍ୟ ବିଧାନ ସଭା

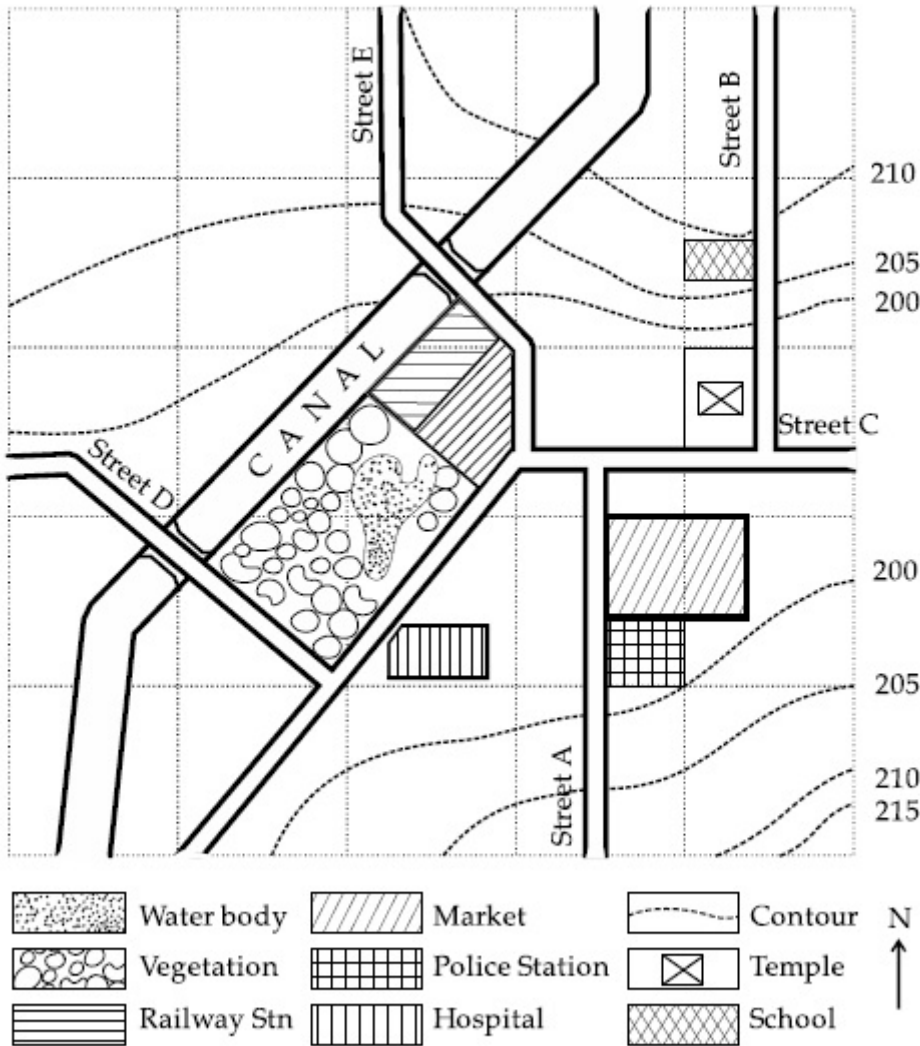
70819143565. କେବିନେଟ୍ (ମନ୍ତ୍ରୀମଣ୍ଡଳ)

70819143566. ପଞ୍ଚାୟତିରାଜ ସମିତି

Question Number : 95 Question Id : 70819113201 Question Type : MCQ Option Shuffling : Yes
 Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading.



With reference to the diagram, choose the correct statement.

Options :

70819143567. Slope of land on which school is located is flatter than the slope of land on which hospital is located.

70819143568. Slope of land on which police station is located is steeper than the slope of land on which school is located.

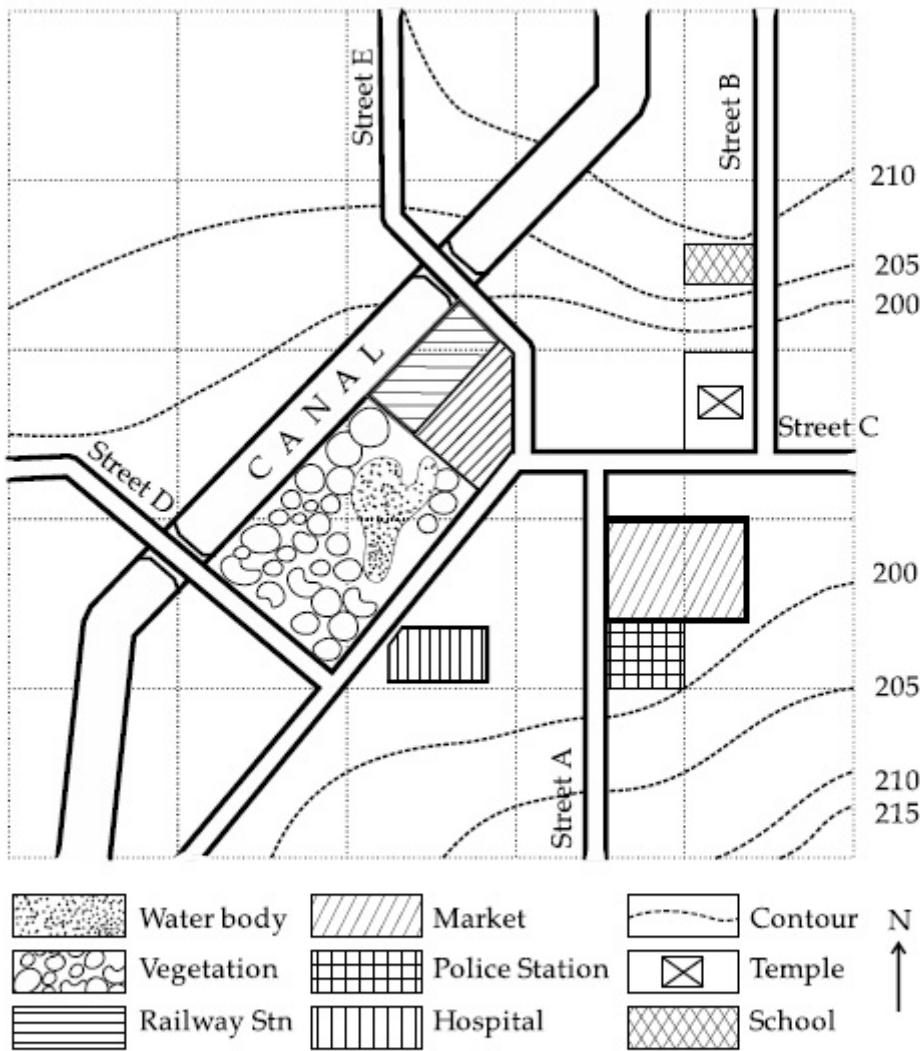
70819143569. Slope of land on which school is located is steeper than the slope of land on which temple is located.

70819143570. 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 : 70819113201 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading



ଉପରୋକ୍ତ ଚିତ୍ର ଦେଖି ଠିକ୍ ଉକ୍ତି ବାଛ :

Options :

70819143567. ବିଦ୍ୟାଳୟର ଅବସ୍ଥିତି ଭୂମିର କ୍ରମନିମ୍ନତା ଚିକିତ୍ସାଳୟର କ୍ରମନିମ୍ନତା ଠାରୁ ଅଧିକ ସମତଳିଆ ।

70819143568. ଆନାର ଅବସ୍ଥିତି ଭୂମିର କ୍ରମନିମ୍ନତା ବିଦ୍ୟାଳୟର କ୍ରମନିମ୍ନତା ଠାରୁ ତୀକ୍ଷ ।

70819143569. ବିଦ୍ୟାଳୟର ଅବସ୍ଥିତି ଭୂମିର କ୍ରମନିମ୍ନତା ମନ୍ଦିରର କ୍ରମନିମ୍ନତା ଠାରୁ ତୀକ୍ଷ ।

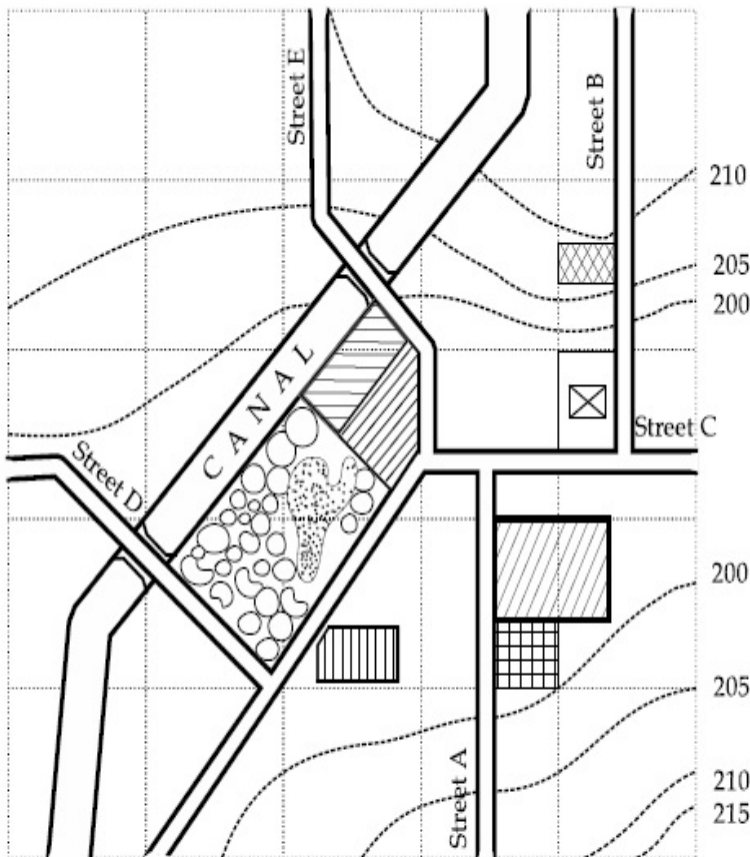
70819143570. ବିଦ୍ୟାଳୟର ଅବସ୍ଥିତି ଭୂମିର କ୍ରମନିମ୍ନତା ମନ୍ଦିରର କ୍ରମନିମ୍ନତା ସହ ସମାନ

Question Number : 96 Question Id : 70819113202 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 :

70819143571. North

70819143572. North - East

70819143573. South - West

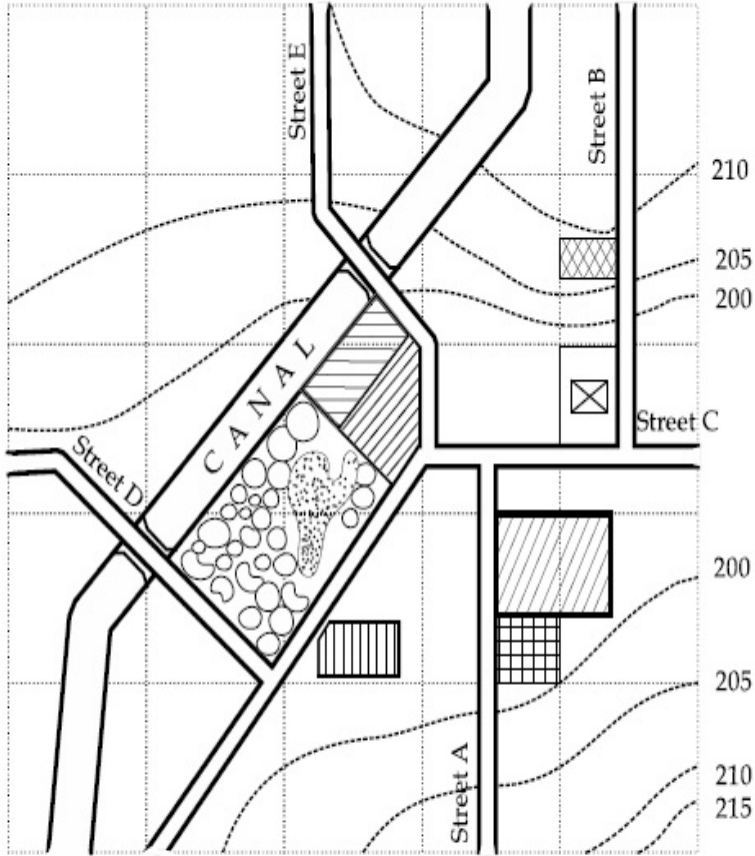
70819143574. East

Question Number : 96 Question Id : 70819113202 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading



	Water body		Market		Contour	N ↑
	Vegetation		Police Station		Temple	
	Railway Stn		Hospital		School	

ଦିଆଯାଇଥିବା ଚିତ୍ରରେ ଜଣେ ଲୋକକୁ ରେଳ ଷ୍ଟେସନ୍ ଠାରୁ ମନ୍ଦିର ପର୍ଯ୍ୟନ୍ତ ଯିବା ଲାଗି _____ ଦିଗରେ ଯିବାକୁ ହେବ ।

Options :

70819143571. ଉତ୍ତର

70819143572. ଉତ୍ତର-ପୂର୍ବ

70819143573. ଦକ୍ଷିଣ-ପଶ୍ଚିମ

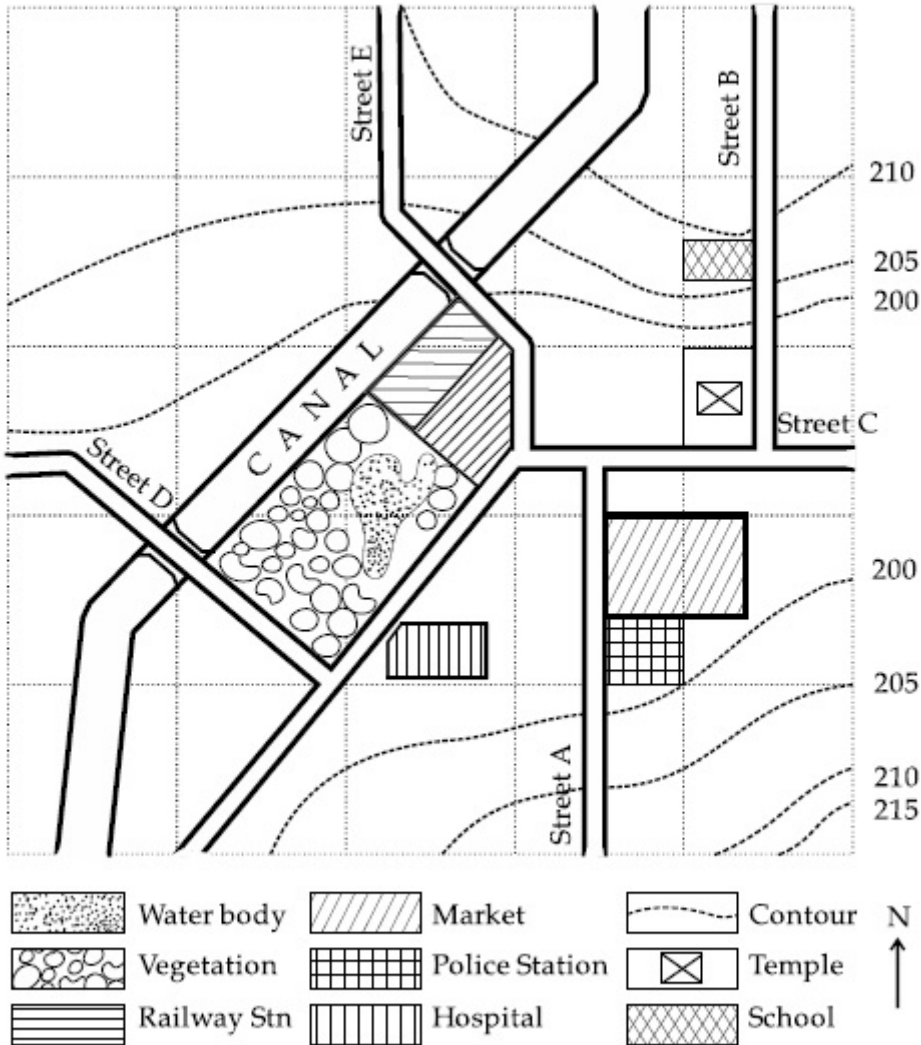
70819143574. ପୂର୍ବ

Question Number : 97 Question Id : 70819113203 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 :

70819143575. 5 m higher than police station.

70819143576. 5 m higher than school.

70819143577. same level as police station.

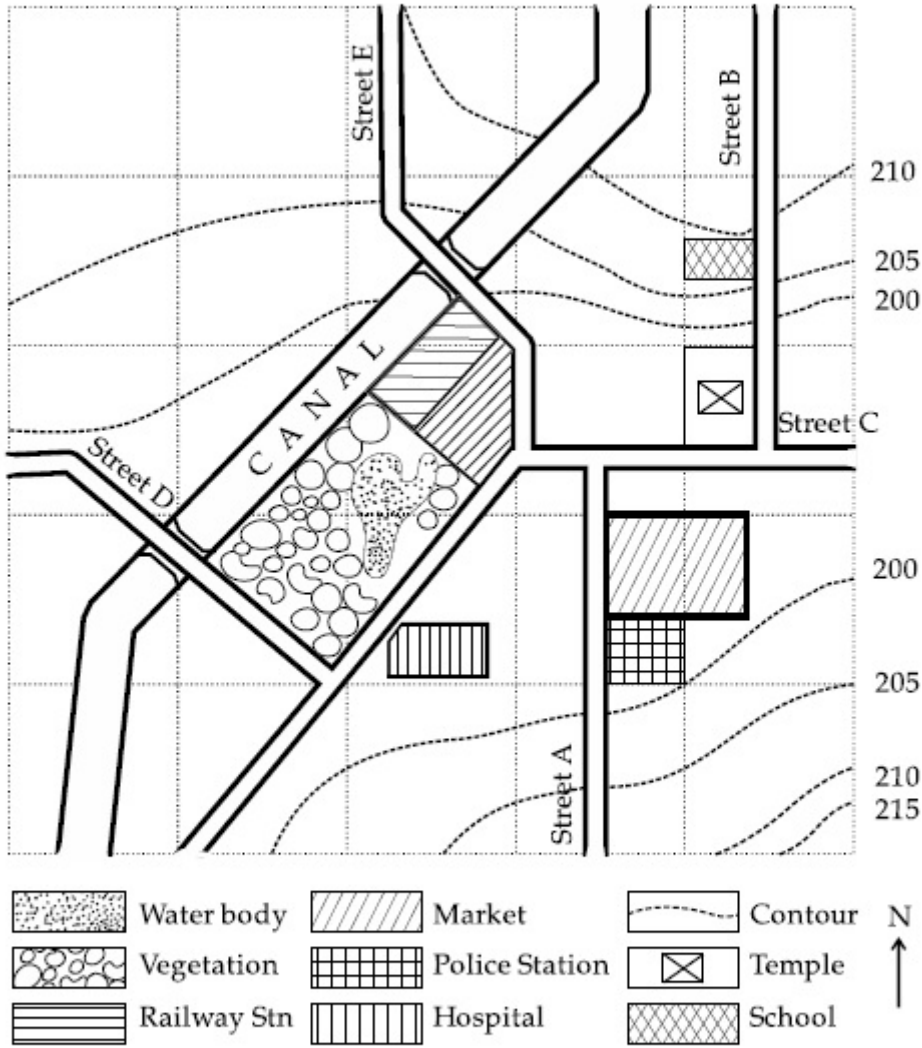
70819143578. same level as school.

Question Number : 97 Question Id : 70819113203 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading



ଦିଆଯାଇଥିବା ଚିତ୍ରରେ ଜଳାଶୟ ପଢ଼ନ ଅବସ୍ଥିତି :

Options :

70819143575. ଥାନା ଠାରୁ 5 ମିଟର ଉଚ୍ଚରେ

70819143576. ବିଦ୍ୟାଳୟ ଠାରୁ 5 ମି. ଉଚ୍ଚରେ

70819143577. ଥାନାର ପଢ଼ନ ସହିତ ସମାନ

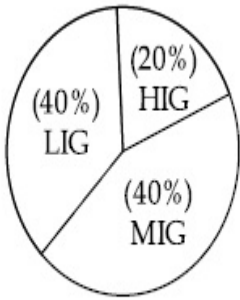
70819143578. ବିଦ୍ୟାଳୟର ପଢ଼ନ ସହିତ ସମାନ

Question Number : 98 Question Id : 70819113204 Question Type : MCQ Option Shuffling : Yes

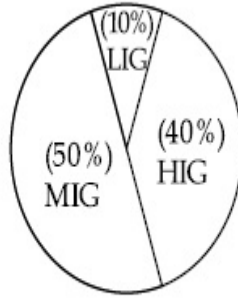
Is Question Mandatory : No

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 :

70819143579. 4 : 1

70819143580. 1 : 5

70819143581. 6 : 1

70819143582. 1 : 4

Question Number : 98 Question Id : 70819113204 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନଲିଖିତ ପାଇଚାର୍ ଗୁଡ଼ିକ ପରିବାରର ଆୟ ଅନୁସାରେ ଉଚ୍ଚ ବିଦ୍ୟାଳୟ ଏବଂ ମହାବିଦ୍ୟାଳୟ ଶିକ୍ଷାରେ ନାମ ଲେଖାଇଥିବା ଛାତ୍ରସଂଖ୍ୟାର ସନ୍ଦିଗ୍ଧତା ଦର୍ଶାଉଛି ।



ଉଚ୍ଚ ବିଦ୍ୟାଳୟର ଏଲ୍‌ଆଇଜି ପରିବାରର ଉଚ୍ଚ ବିଦ୍ୟାଳୟରେ ପଢୁଥିବା ଛାତ୍ରମାନଙ୍କ ସହ କଲେଜ ଛାତ୍ରଙ୍କର ଅନୁପାତ ଅଟେ :

Options :

70819143579. 4 : 1

70819143580. 1 : 5

70819143581. 6 : 1

70819143582. 1 : 4

Question Number : 99 Question Id : 70819113205 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The surface area of earth is 510 million km². 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 :

70819143583. The density of population in urban area is 1000 persons/sq.km.

70819143584. The density of population in urban area is 849 persons/sq.km.

70819143585. The density of population in urban area is 4290 persons/sq.km.

70819143586. The density of population in urban area is 7800 persons/sq.km.

Question Number : 99 Question Id : 70819113205 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ପୃଥିବୀ ପୃଷ୍ଠର କ୍ଷେତ୍ରଫଳ 510 ବିଲିୟନ୍ ବର୍ଗ କିଲୋମିଟର ଅଟେ । ସମଗ୍ର ପୃଷ୍ଠଭାଗର ଶତକଡ଼ା ତିରିଶ ଭାଗ ହେଉଛି ସ୍ଥଳଭାଗ । ସମୁଦାୟ ସ୍ଥଳଭାଗର ଶତକଡ଼ା ତିରିଶ ଭାଗ ସହରାଞ୍ଚଳ । ପୃଥିବୀର ଜନସଂଖ୍ୟା 7.8 ବିଲିୟନ୍ ଅଟେ ଏବଂ ସହରାଞ୍ଚଳ ଜନସଂଖ୍ୟା ହେଉଛି ଶତକଡ଼ା ପଞ୍ଚାଦଶ ଭାଗ । ନିକଟତମ ସଠିକ୍ ଉତ୍ତରଟି ଲେଖ ।

Options :

70819143583. ସହରାଞ୍ଚଳର ଜନସଂଖ୍ୟାର ସାନ୍ଦ୍ରତା 1000 ଜଣ ବର୍ଗ କି.ମି ପ୍ରତି

70819143584. ସହରାଞ୍ଚଳର ଜନସଂଖ୍ୟାର ସାନ୍ଦ୍ରତା 849 ଜଣ ବର୍ଗ କି.ମି ପ୍ରତି

70819143585. ସହରାଞ୍ଚଳର ଜନସଂଖ୍ୟାର ସାନ୍ଦ୍ରତା 4290 ଜଣ ବର୍ଗ କି.ମି ପ୍ରତି

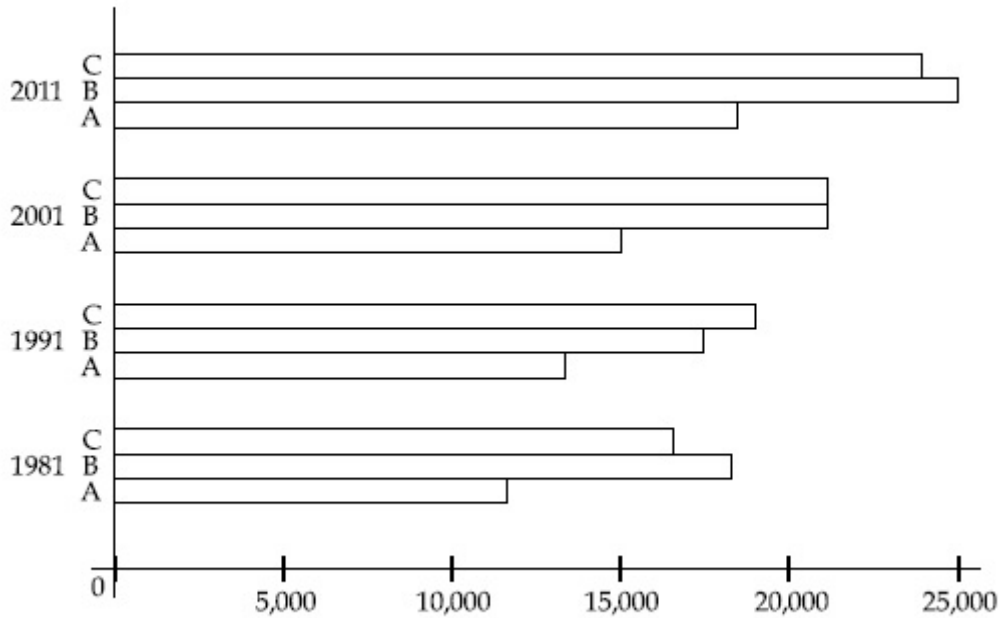
70819143586. ସହରାଞ୍ଚଳର ଜନସଂଖ୍ୟାର ସାନ୍ଦ୍ରତା 7800 ଜଣ ବର୍ଗ କି.ମି ପ୍ରତି

Question Number : 100 Question Id : 70819113206 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Choose the correct statement :

Options :

70819143587. City A shows the increase in population from 1981 to 2011 and city C does not show the increase likewise.

70819143588. City B shows a continuous decline in population from 1981-2011 whereas city A shows an increase.

70819143589. 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.

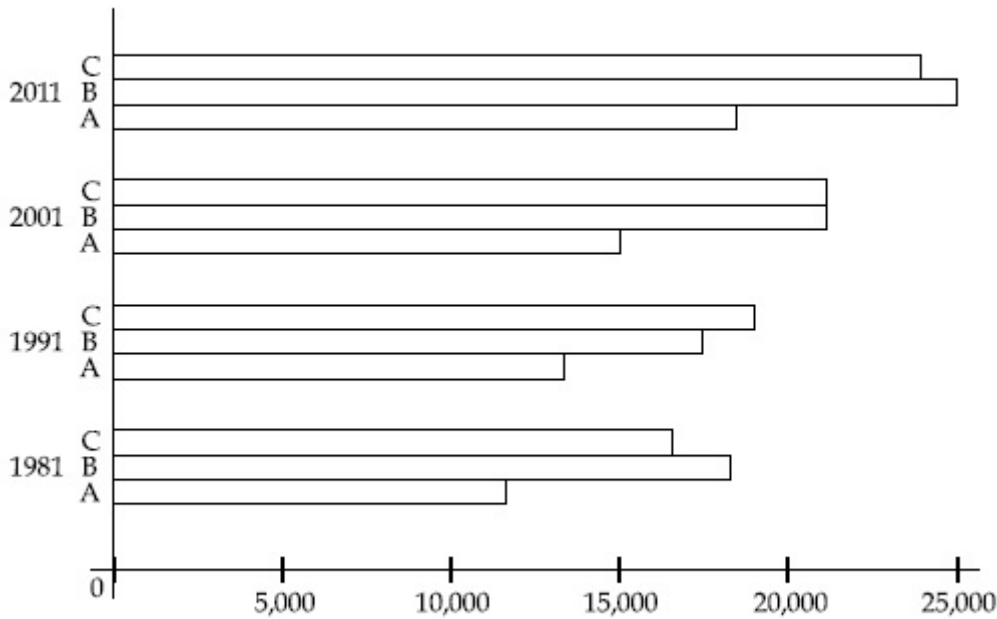
70819143590. City C shows continuous decline in population in various decades whereas city B shows increase.

Question Number : 100 Question Id : 70819113206 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

1981 ମସିହାରୁ 2011 ମସିହା ପର୍ଯ୍ୟନ୍ତ A, B ଏବଂ C ସହର ଗୁଳିକର ଜନସଂଖ୍ୟା ।



ଠିକ୍ ଉତ୍ତର ଦିଅନ୍ତୁ :

Options :

70819143587. A ସହର 1981 ରୁ 2011 ବର୍ଷିତ ଜନସଂଖ୍ୟା ସୁତାଏ ଏବଂ C ସହର ବର୍ଷିତ ଜନସଂଖ୍ୟା ଦେଖାଏ ନାହିଁ ।

70819143588. B ସହର ଜନସଂଖ୍ୟାର ନିରବଚ୍ଛିନ୍ନ ହ୍ରାସ ଦେଖାଏ 1981 ରୁ 2011 ମଧ୍ୟରେ ଯେତେବେଳେ A ସହର ବୃଦ୍ଧି ଦେଖାଏ ।

70819143589. A ସହରର ଜନସଂଖ୍ୟା 1981 ଠାରୁ 2001 ପ୍ରତି ଦଶାବ୍ଦରେ ବୃଦ୍ଧି ହୁଏ ଯେତେବେଳେ B ସହରର ଜନସଂଖ୍ୟା ହ୍ରାସ ଦେଖାଏ 1981 ର 1991 ର ଏବଂ ତାପରେ ଏହା ବଢ଼େ 1991 ରୁ 2001 ଭିତରେ ।

70819143590. C ସହର ଜନସଂଖ୍ୟାର ନିରବଚ୍ଛିନ୍ନ ହ୍ରାସ ଦେଖାଏ ଯେତେବେଳେ B ବର୍ଷିତ ଦେଖାଏ ।

Question Number : 101 Question Id : 70819113207 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 (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 :

70819143591. 26 kmhr^{-1}

70819143592. 21.5 kmhr^{-1}

70819143593. 30 kmhr^{-1}

70819143594. 28.5 kmhr^{-1}

Question Number : 101 Question Id : 70819113207 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନଲିଖିତ ଟେବୁଲରେ ଏକ ପର୍ଯ୍ୟବେକ୍ଷଣରେ 100 ଟି ଯାନର ଗତି ଲକ୍ଷ୍ୟ କରାଗଲା ।

ଯାନର ବେଗ (kmhr^{-1})	ଯାନର ସଂଖ୍ୟା
20	6
25	20
28	24
29	28
33	15
38	4
40	2
45	1

ଉପରୋକ୍ତ ତଥ୍ୟ ଅନୁଯାୟୀ ଯାନର ମାଧ୍ୟମାନ ବେଗ ହେଉଛି :

Options :

70819143591. 26 କିମି ଘଣ୍ଟା ପ୍ରତି

70819143592. 21.5 କିମି ଘଣ୍ଟା ପ୍ରତି

70819143593. 30 କିମି ଘଣ୍ଟା ପ୍ରତି

70819143594. 28.5 କିମି ଘଣ୍ଟା ପ୍ରତି

Question Number : 102 Question Id : 70819113208 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 :

70819143595. As a charity by privileged people.

70819143596. As a way to reduce crime.

70819143597. As a way to sensitize travellers about poor living conditions in the society.

70819143598. As an adventure activity.

Question Number : 102 Question Id : 70819113208 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 :

70819143595. As a charity by privileged people.

70819143596. As a way to reduce crime.

70819143597. As a way to sensitize travellers about poor living conditions in the society.

70819143598. As an adventure activity.

Question Number : 103 Question Id : 70819113209 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 :

70819143599. Learning

70819143600. Staring

70819143601. Peeping

70819143602. Gloating

Question Number : 103 Question Id : 70819113209 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 :

70819143599. Learning

70819143600. Staring

70819143601. Peeping

70819143602. Gloating

**Question Number : 104 Question Id : 70819113210 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 :

70819143603. Both A and R are true and R is the correct explanation of A

70819143604. Both A and R are true but R is NOT the correct explanation of A

70819143605. A is true but R is false

70819143606. A is false but R is true

**Question Number : 104 Question Id : 70819113210 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନରେ ଦୁଇଟି ଉକ୍ତି ଦିଆଯାଇଛି : ଗୋଟିଏ ଘୋଷଣା 'A' ଏବଂ ଅନ୍ୟଟି କାରଣ 'R' ଆକାରରେ ଚିହ୍ନିତ କରାଯାଇଛି ।

ଘୋଷଣା A : ଶେଷ ଦୁଇ ଦଶନ୍ଧି ଧରି ସମୂହ ଧ୍ୟାନର ବ୍ୟାପ୍ତି କମୁଛି ।

କାରଣ R : ଶୀଘ୍ର ବ୍ୟବହାର ଯେଗ୍ୟତା ଏବଂ କ୍ଷୀପ୍ର ପ୍ରବେଶକୁ ଅଧିକ ପରିମାଣରେ ତଥ୍ୟ ଦିଆଗଲେ ଗୋଟିଏ ବିଷୟରେ ଆଗ୍ରହ ହ୍ରାସ କରେ ।

ଉପରୋକ୍ତ ଉକ୍ତି ଅନୁଯାୟୀ ସବୁଠାରୁ ଉପଯୁକ୍ତ ଉତ୍ତର ବାଛି : (ନିମ୍ନ ତଥ୍ୟ ମଧ୍ୟରୁ)

Options :

70819143603. ଉଭୟ A ଏବଂ R ଠିକ୍ ଏବଂ R ହେଲା A ର ବ୍ୟାଖ୍ୟା ।

70819143604. ଉଭୟ A ଏବଂ R ଠିକ୍ କିନ୍ତୁ R, A ର ଠିକ୍ ବ୍ୟାଖ୍ୟା ନୁହେଁ ।

70819143605. A ଠିକ୍ କିନ୍ତୁ R ଠିକ୍ ନୁହେଁ ।

70819143606. A ଠିକ୍ ନୁହେଁ କିନ୍ତୁ R ଠିକ୍ ଅଟେ ।

Question Number : 105 Question Id : 70819113211 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 :

70819143607. Both A and R are true and R is the correct explanation of A

70819143608. Both A and R are true but R is NOT the correct explanation of A

70819143609. A is true but R is false

70819143610. A is false but R is true

Question Number : 105 Question Id : 70819113211 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ନିମ୍ନରେ ଦୁଇଟି ଉକ୍ତି ଦିଆଯାଇଛି : ଗୋଟିଏ ଘୋଷଣା 'A' ଏବଂ ଅନ୍ୟଟି କାରଣ 'R' ଆକାରରେ ଚିହ୍ନିତ କରାଯାଇଛି ।

ଘୋଷଣା A : ଗତ ଦୁଇ ଦଶନ୍ଧିରେ ଭାରତରେ ଛାଡ଼ପତ୍ରର ହାର ବୃଦ୍ଧି ଘଟିଛି ।

କାରଣ R : ଅଧିକାଂଶ ବିବାହିତ ଦମ୍ପତ୍ତି ସନ୍ତାନ ଚାହୁଁ ନାହାନ୍ତି ।

ଉପରୋକ୍ତ ଉକ୍ତି ଅନୁଯାୟୀ, ସବୁଠାରୁ ଠିକ୍ ଉତ୍ତରଟି ନିମ୍ନଲିଖିତ ଡାହାଣ ବାଛ :

Options :

70819143607. ଉଭୟ A ଏବଂ R ଠିକ୍ ଏବଂ R ହେଉଛି A ର ବ୍ୟାଖ୍ୟା ।

70819143608. ଉଭୟ A ଏବଂ R ଠିକ୍ ଏବଂ R, A ର ଠିକ୍ ବ୍ୟାଖ୍ୟା ନୁହେଁ ।

70819143609. A ଠିକ୍ କିନ୍ତୁ R ଠିକ୍ ନୁହେଁ ।

70819143610. A ଠିକ୍ ନୁହେଁ କିନ୍ତୁ R ଠିକ୍ ।

Drawing

Section Id :	708191457
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 :	708191737
Question Shuffling Allowed :	No

Question Number : 106 Question Id : 70819113212 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 : 70819113212 Question Type : SUBJECTIVE

Correct Marks : 50

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

ଅଥବା

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



Question Number : 107 Question Id : 70819113213 Question Type : SUBJECTIVE

Correct Marks : 50

Draw a scene of a Kite festival by using colors.

OR

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

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

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

Use 'Cool Colorscheme' for composition.

Question Number : 107 Question Id : 70819113213 Question Type : SUBJECTIVE

Correct Marks : 50

ରଙ୍ଗ ବ୍ୟବହାର କରି ଏକ ଗୁଡ଼ି ପର୍ବର ଦୃଶ୍ୟ ଅଙ୍କନ କର ।

ଅଥବା

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

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

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

(କୂଳ କଲର ସ୍କିମ୍ ବ୍ୟବହାର କର)