

National Testing Agency

Question Paper Name :	B ARCH 28th Jan 2023 Shift 2
Subject Name :	B ARCH
Creation Date :	2023-01-28 23:48:16
Duration :	180
Total Marks :	400
Display Marks:	Yes

B ARCH

Group Number :	1
Group Id :	71550529
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	400
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Mathematics Section A

Section Id :	715505159
Section Number :	1

Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	80
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	715505159
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 1 Question Id : 7155052569 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let R_1 and R_2 be two relations on \mathbb{R}^2 defined as

(a, b) R_1 (c, d) if $ad - bc \geq 0$

(a, b) R_2 (c, d) if $a + d \geq b + c$. Then :

Options :

7155058081. R_1 is transitive but R_2 is not transitive

7155058082. R_2 is transitive but R_1 is not transitive

7155058083. Both R_1 and R_2 are transitive

7155058084. Neither R_1 nor R_2 is transitive

Question Number : 1 Question Id : 7155052569 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ধরাহল \mathbb{R}^2 ত R_1 আৰু R_2 দুটা সম্পর্ক বাতে,

(a, b) R_1 (c, d) যদি $ad - bc \geq 0$

(a, b) R_2 (c, d) যদি $a + d \geq b + c$. তেন্তে

Options :

7155058081. R_1 সংক্রামক কিন্তু R_2 নহয়।

7155058082. R_2 সংক্রামক কিন্তু R_1 নহয়।

7155058083. R_1 আৰু R_2 দুয়ো সংক্রামক।

7155058084. R_1 আৰু R_2 এটাও সংক্রামক নহয়।

Question Number : 2 Question Id : 7155052570 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let α and β be the roots of $x^2 - 3x + 9 = 0$. Then $\left(\frac{\beta^{30}}{(9\alpha)^{10}} + \frac{\alpha^{30}}{(9\beta)^{10}} \right)^2$ is equal to

Options :

7155058085. 1

7155058086. $\frac{1}{9}$

7155058087. 3

7155058088. 9

Question Number : 2 Question Id : 7155052570 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ধৰাহ'ল $x^2 - 3x + 9 = 0$ সমীকৰণৰ α আৰু β দুটা মূল। তেন্তে $\left(\frac{\beta^{30}}{(9\alpha)^{10}} + \frac{\alpha^{30}}{(9\beta)^{10}} \right)^2$ সমান হ'ব :

Options :

7155058085. 1

7155058086. $\frac{1}{9}$

7155058087. 3

7155058088. 9

Question Number : 3 Question Id : 7155052571 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

For $z = 2 + 5i$, the modulus of $2z^3 + 21z^2 - 58z + 4$ is :

Options :

7155058089. 1153

7155058090. 947

7155058091. 537

7155058092. 837

Question Number : 3 Question Id : 7155052571 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$z = 2 + 5i$, ষ বাবে $2z^3 + 21z^2 - 58z + 4$ ষ মাপাংক হ'ব ঃ

Options :

7155058089. 1153

7155058090. 947

7155058091. 537

7155058092. 837

Question Number : 4 Question Id : 7155052572 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

If the system of equations

$$Kx - \sqrt{2}y + \sqrt{5}z = \sqrt{7}$$

$$\sqrt{5}x + \sqrt{3}y - \sqrt{2}z = \sqrt{11}$$

$$30x + (3\sqrt{15} - 5\sqrt{6})y + (5\sqrt{15} - 3\sqrt{10})z = 5\sqrt{21} + 3\sqrt{55}$$

has infinitely many solutions, then K^2 is

Options :

7155058093. 27

7155058094. $\frac{1}{3}$

7155058095. 9

7155058096. 3

Question Number : 4 Question Id : 7155052572 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

যদি

$$kx - \sqrt{2}y + \sqrt{5}z = \sqrt{7}$$

$$\sqrt{5}x + \sqrt{3}y - \sqrt{2}z = \sqrt{11}$$

$$30x + (3\sqrt{15} - 5\sqrt{6})y + (5\sqrt{15} - 3\sqrt{10})z = 5\sqrt{21} + 3\sqrt{55}$$

সমীকরণ প্রণালীটোৰ অসীম সংখ্যক সমাধান থাকে, তেন্তে k^2 হ'ব

Options :

7155058093. 27

7155058094. $\frac{1}{3}$

7155058095. 9

7155058096. 3

Question Number : 5 Question Id : 7155052573 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

For $\alpha, \beta \in \mathbb{R}$, if the matrices $A = \begin{pmatrix} \alpha & 0 \\ 0 & \beta \end{pmatrix}$, $B = \begin{pmatrix} \alpha & 0 \\ 0 & \alpha \end{pmatrix}$ and $I = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$ satisfy the equation

$(A*B)*2I = 20I$, where $*$ is defined as $A*B = A^2 + B^2$, then $|\alpha\beta|$ is equal to :

Options :

7155058097. $2\sqrt{3}$

7155058098. $2\sqrt{2}$

7155058099. 4

7155058100. 2

Question Number : 5 Question Id : 7155052573 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$\alpha, \beta \in \mathbb{R}$, ষ বাবে, যদি $A = \begin{pmatrix} \alpha & 0 \\ 0 & \beta \end{pmatrix}$, $B = \begin{pmatrix} \alpha & 0 \\ 0 & \alpha \end{pmatrix}$, $I = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$ মৌলিকভাবে $(A*B)*2I = 20I$,

সমীকরণটোক সিদ্ধ কবে, যত $*$ ক $A*B = A^2 + B^2$ বুলি সংজ্ঞাবদ্ধ কৰা হৈছে। তেস্তে $|\alpha\beta|$ ষ মান
সমান হ'ব :

Options :

7155058097. $2\sqrt{3}$

7155058098. $2\sqrt{2}$

7155058099. 4

7155058100. 2

Question Number : 6 Question Id : 7155052574 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The sum of the first eleven terms of the series is $\frac{1}{1+1^2+1^4} + \frac{2}{1+2^2+2^4} + \frac{3}{1+3^2+3^4} + \dots$

Options :

7155058101. $\frac{61}{133}$

7155058102. $\frac{66}{133}$

7155058103. $\frac{16}{33}$

7155058104. $\frac{33}{67}$

Question Number : 6 Question Id : 7155052574 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$\frac{1}{1+1^2+1^4} + \frac{2}{1+2^2+2^4} + \frac{3}{1+3^2+3^4} + \dots$ শ্রেণীটোৰ 1ম 11 টা পদৰ যোগফল হ'ব :

Options :

7155058101. $\frac{61}{133}$

7155058102. $\frac{66}{133}$

7155058103. $\frac{16}{33}$

7155058104. $\frac{33}{67}$

Question Number : 7 Question Id : 7155052575 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$\lim_{x \rightarrow 0} (1 + 3x)^{\frac{x+2}{x}}$ is equal to

Options :

7155058105. e

7155058106. e^3

7155058107. e^6

7155058108. e^9

Question Number : 7 Question Id : 7155052575 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$\lim_{x \rightarrow 0} (1 + 3x)^{\frac{x+2}{x}}$ সমান হ'ব :

Options :

7155058105. e

7155058106. e^3

7155058107. e^6

7155058108. e^9

Question Number : 8 Question Id : 7155052576 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let $P(\alpha, \beta, \lambda)$ be the image of the point $Q(1,2,0)$ in the line $\frac{x-5}{3} = \frac{y-12}{1} = \frac{z-10}{2}$, then $(PQ)^2$ is equal to

Options :

7155058109. 90

7155058110. 180

7155058111. 360

7155058112. 270

Question Number : 8 Question Id : 7155052576 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ধৰাহ'ল $P(\alpha, \beta, \lambda)$ ৰেখাত $\frac{x-5}{3} = \frac{y-12}{1} = \frac{z-10}{2}$ বিন্দুটোৰ প্ৰতিবিম্ব $Q(1,2,0)$ তেন্তে $(PQ)^2$ সমান হ'ব

Options :

7155058109. 90

7155058110. 180

7155058111. 360

7155058112. 270

**Question Number : 9 Question Id : 7155052577 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

A box contains 7 red and 9 white balls. The number of ways of drawing 8 balls such that there are at least three balls of each colour, is :

Options :

7155058113. 8820

7155058114. 10584

7155058115. 1764

7155058116. 3515

**Question Number : 9 Question Id : 7155052577 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

এটা বাকচত 7 টা ৰঙা আৰু 9 টা বগা বল আছে। প্রতিটো ৰঙাৰ কমেও 3 টা বল থকাকৈ 8 টা বল
টানি উলিয়াই অনাৰ উপায়ৰ সংখ্যা হ'ব:

Options :

7155058113. 8820

7155058114. 10584

7155058115. 1764

7155058116. 3515

Question Number : 10 Question Id : 7155052578 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let $[t]$ denote the greatest integer function. If $\int_0^1 [1+x^2+x^4] dx = a$, then $36a - 25a^2 + 8a^3 - a^4$ is equal to

Options :

7155058117. 19

7155058118. -19

7155058119. 18

7155058120. -21

Question Number : 10 Question Id : 7155052578 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ধৰাহ'ল $[t]$ য়ে গৰিষ্ঠ অখণ্ড সংখ্যা বুজাইছে। যদি $\int_0^1 [1+x^2+x^4] dx = a$, তেন্তে $36a - 25a^2 + 8a^3 - a^4$

সমান হ'ব :

Options :

7155058117. 19

7155058118. -19

7155058119. 18

Question Number : 11 Question Id : 7155052579 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let $PL = 8$ units and $QM = 2$ units be two parallel line segments such that the line segments PM and QL intersect at the point R . If PL and QM are tangents to a circle passing through points P, Q, R then radius of this circle is

Options :

7155058121. $\sqrt{2}$

7155058122. 2

7155058123. $2\sqrt{2}$

7155058124. 4

Question Number : 11 Question Id : 7155052579 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ধৰাহল $PL = 8$ একক আৰু $QM = 2$ একক দুটা সমান্তৰাল ৰেখাখণ্ড যাতে PM আৰু QL ৰেখাখণ্ড দুটাই R বিন্দুত কাটে। যদি P, Q, R বিন্দুৰে যোৱা বৃত্তৰ স্পৰ্শক PL আৰু QM হয়, তেন্তে এই বৃত্তটোৰ ব্যাসার্ধ হ'বঃ

Options :

7155058121. $\sqrt{2}$

7155058122. 2

7155058123. $2\sqrt{2}$

7155058124. 4

Question Number : 12 Question Id : 7155052580 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

For some $\alpha \in \mathbb{N}$, let PQR be a triangle with two fixed vertices P(2, 5) and Q(α , -11). If the point R moves on the line $l_1: 9x + 7y + \alpha = 0$, then the centroid of ΔPQR moves on the line l_2 , which is parallel to l_1 at a distance $\frac{20}{3\sqrt{130}}$ units from it. If the distance of Q from l_2 is $\frac{k}{3\sqrt{130}}$, then k is equal to :

Options :

7155058125. 117

7155058126. 129

7155058127. 131

7155058128. 133

Question Number : 12 Question Id : 7155052580 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$\alpha \in \mathbb{N}$ ৰ বাবে, ধৰাহল PQR এটা ত্ৰিভুজ যাৰ দুটা স্থিৰ শীৰ্ষবিন্দু হ'ল P(2, 5) আৰু Q(α , -11)। যদি R বিন্দুটোৱে $l_1: 9x + 7y + \alpha = 0$, ৰেখাৰে গতি কৰে, তেন্তে ΔPQR ৰ ভৰকেন্দ্ৰটো l_2 ৰেখাৰে গতি কৰে আৰু যি $\frac{20}{3\sqrt{130}}$ একক দূৰত্বত l_1 সমান্তৰাল। যদি l_2 ৰ পৰা Q ৰ দূৰত্ব $\frac{k}{3\sqrt{130}}$ হয়, তেন্তে k সমান হ'ব:

Options :

7155058125. 117

7155058126. 129

7155058127. 131

7155058128. 133

Question Number : 13 Question Id : 7155052581 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let $A_i(x_i, y_i)$, $i = 1, 2, 3$ be points on the circle $x^2 + y^2 = 10$ such that A_1 lies in the 1st quadrant and it is the image of point A_2 with respect to y -axis. If the distance of point A_1 from each of the points A_2 and A_3 is 2, then twenty times the area of the $\Delta A_1 A_2 A_3$ is

Options :

7155058129. 12

7155058130. 30

7155058131. 24

7155058132. 48

Question Number : 13 Question Id : 7155052581 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ধৰাহল $x^2 + y^2 = 10$ বৃত্তৰ ওপৰত $A_i(x_i, y_i), i = 1, 2, 3$ এটা বিন্দু বাতে A_1 বিন্দুটো 1ম চোকত থাকে আৰু, y - অক্ষ সাপেক্ষে A_2 বিন্দুটোৰ প্ৰতিবিন্দু। যদি A_2 আৰু A_3 প্ৰত্যেকটো বিন্দুৰ পৰা A_1 দূৰত্ব 2 হয়, তেন্তে $\Delta A_1 A_2 A_3$ ত্ৰিভুজটোৰ কালিৰ 20 গুণ হ'ব:

Options :

7155058129. 12

7155058130. 30

7155058131. 24

7155058132. 48

Question Number : 14 Question Id : 7155052582 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The remainder when 7^{89} is divided by 15 is

Options :

7155058133. 5

7155058134. 7

7155058135. 9

7155058136. 11

Question Number : 14 Question Id : 7155052582 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

7⁸⁹ ক 15 বে ভাগ কৰিলে ভাগশেষ ৰ'বঃ

Options :

7155058133. 5

7155058134. 7

7155058135. 9

7155058136. 11

**Question Number : 15 Question Id : 7155052583 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

If the plane $y = \alpha x - \beta z + \gamma$ passing through the point $(1, -1, 3)$ is perpendicular to each of the planes $2x + y + z = 1$ and $3x - 2y + 2z = 0$, then $\alpha + \beta + \gamma$ is equal to :

Options :

7155058137. 5

7155058138. 13

7155058139. 19

7155058140. 27

**Question Number : 15 Question Id : 7155052583 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

যদি $(1, -1, 3)$ বিন্দুৰে যোৱা $y = \alpha x - \beta y + \gamma$ সমতলটো $2x + y + z = 1$ আৰু $3x - 2y + 2z = 0$ সমতল দুখনৰ প্ৰতিটোৰ ওপৰত লম্ব হয়, তেন্তে $\alpha + \beta + \gamma$ ৰ মান হ'ব :

Options :

7155058137. 5

7155058138. 13

7155058139. 19

7155058140. 27

Question Number : 16 Question Id : 7155052584 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let $\vec{a} = \hat{i} + 2\hat{j} + 3\hat{k}$, $\vec{b} = \hat{i} - \hat{j} + 2\hat{k}$, $\vec{c} = 2\hat{i} + \hat{j} - 4\hat{k}$ be three vectors. If \vec{r} is the vector such that $\vec{r} \times \vec{a} = (\vec{b} + \vec{c}) \times \vec{a}$ and $\vec{r} \cdot (\vec{b} - \vec{c}) = 0$, then $\vec{r} \cdot (\hat{i} + \hat{j} - \hat{k})$ is equal to :

Options :

7155058141. 3

7155058142. 4

7155058143. 5

7155058144. 6

Question Number : 16 Question Id : 7155052584 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ধরা হল $\vec{a} = \hat{i} + 2\hat{j} + 3\hat{k}$, $\vec{b} = \hat{i} - \hat{j} + 2\hat{k}$, $\vec{c} = 2\hat{i} + \hat{j} - 4\hat{k}$ তিনটি ভেক্টর। যদি \vec{r} এটা ভেক্টর বাতে

$\vec{r} \times \vec{a} = (\vec{b} + \vec{c}) \times \vec{a}$ আৰু $\vec{r} \cdot (\vec{b} - \vec{c}) = 0$ তেন্তে $\vec{r} \cdot (\hat{i} + \hat{j} - \hat{k})$ সমান হ'ব—

Options :

7155058141. 3

7155058142. 4

7155058143. 5

7155058144. 6

Question Number : 17 Question Id : 7155052585 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The probability that a randomly selected root of the equation $1 + x + x^2 + \dots + x^{118} = 0$ satisfies the equation $x^7 = 1$, is

Options :

7155058145. 0

7155058146. $\frac{1}{59}$

7155058147. $\frac{3}{59}$

7155058148. $\frac{7}{118}$

Question Number : 17 Question Id : 7155052585 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$x^7 = 1$ সমীকরণটো সিদ্ধ কৰা আৰু $1 + x + x^2 + \dots + x^{118} = 0$ সমীকরণটোৰ পৰা বাদ্ৰ্ছিকভাৱে বাহনি কৰা
মূলবোৰৰ সম্ভাৱিতাহ'ব :

Options :

7155058145. 0

7155058146. $\frac{1}{59}$

7155058147. $\frac{3}{59}$

7155058148. $\frac{7}{118}$

Question Number : 18 Question Id : 7155052586 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let X have the binomial distribution B(n, p). If its mean is 3 and variance is 2, then $P(X < \frac{n}{4})$ is
equal to :

Options :

7155058149. $\frac{29 \times 2^8}{3^9}$

7155058150. $\frac{25 \times 2^9}{3^9}$

7155058151. $\frac{163}{3^9}$

7155058152. $\frac{835}{3^9}$

Question Number : 18 Question Id : 7155052586 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ধৰাহল $B(n, p)$ X ৰ এটা দ্বিপদ বন্টন। যদি দ্বিপদ বন্টনটোৰ মাধ্য আৰু প্ৰসৰণ ক্ৰমে 3 আৰু 2 হয়, তেন্তে

$P(X < \frac{n}{4})$ সমান হ'ব :

Options :

7155058149. $\frac{29 \times 2^8}{3^9}$

7155058150. $\frac{25 \times 2^9}{3^9}$

7155058151. $\frac{163}{3^9}$

7155058152. $\frac{835}{3^9}$

Question Number : 19 Question Id : 7155052587 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The domain of the function $f(x) = \cos^{-1}\left(\frac{x^2 - 3x + 2}{x^2 + 2x - 1}\right)$ is :

Options :

7155058153. $\left[\sqrt{2} - 1, \frac{3}{5}\right]$

7155058154. $\left[\frac{3}{5}, \infty\right)$

7155058155. $\mathbb{R} - \{-\sqrt{2} - 1, \sqrt{2} - 1\}$

7155058156. $(-\infty, -1 - \sqrt{2}) \cup (\sqrt{2} - 1, \infty)$

Question Number : 19 Question Id : 7155052587 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$f(x) = \cos^{-1}\left(\frac{x^2 - 3x + 2}{x^2 + 2x - 1}\right)$ ফলনটোৰ আদিক্ষেত্র হ'ব :

Options :

7155058153. $\left(\sqrt{2} - 1, \frac{3}{5}\right]$

7155058154. $\left[\frac{3}{5}, \infty\right)$

7155058155. $\mathbb{R} - \{-\sqrt{2} - 1, \sqrt{2} - 1\}$

7155058156. $(-\infty, -1 - \sqrt{2}) \cup (\sqrt{2} - 1, \infty)$

Question Number : 20 Question Id : 7155052588 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is a tautology ?

Options :

7155058157. $((p \Rightarrow q) \vee p) \Rightarrow q$

7155058158. $((p \wedge q) \Rightarrow p) \Rightarrow q$

7155058159. $((p \wedge q) \wedge (\sim q)) \Rightarrow p$

7155058160. $((p \Rightarrow q) \vee p) \Rightarrow p$

Question Number : 20 Question Id : 7155052588 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তলৰ কোনটো পুনঃকল্পিত হ'ব?

Options :

7155058157. $((p \Rightarrow q) \vee p) \Rightarrow q$

7155058158. $((p \wedge q) \Rightarrow p) \Rightarrow q$

7155058159. $((p \wedge q) \wedge (\sim q)) \Rightarrow p$

7155058160. $((p \Rightarrow q) \vee p) \Rightarrow p$

Mathematics Section B

Section Id :	715505160
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	5
Section Marks :	20

Enable Mark as Answered Mark for Review and

Yes

Clear Response :

Maximum Instruction Time :

0

Sub-Section Number :

1

Sub-Section Id :

715505160

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 21 Question Id : 7155052589 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The curve $y = x^2 + 1$ divides the area enclosed by the curves $y + |x| = 3$ and $y = |x-1|$ in the ratio $m : n$, where m and n are coprime, then $m + n$ is equal to _____ .

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 21 Question Id : 7155052589 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$y = x^2 + 1$ বক্রডালে $y + |x| = 3$ আৰু $y = |x-1|$ বক্র দুডালৰ দ্বাৰা আবদ্ধ ক্ষেত্রৰ ক্ষেত্রফলক $m : n$ অনুপাতত ভাগ কৰে, য'ত m আৰু n সহ মৌলিক সংখ্যা, তেন্তে $m + n$ সমান হ'ব _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 22 **Question Id :** 7155052590 **Question Type :** SA **Calculator :** None

Response Time : N.A **Think Time :** N.A **Minimum Instruction Time :** 0

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

The number of ways in which 30 identical pens can be distributed among 12 students so that each student gets at least one pen and exactly two students get at least two pens each, is _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 22 **Question Id :** 7155052590 **Question Type :** SA **Calculator :** None

Response Time : N.A **Think Time :** N.A **Minimum Instruction Time :** 0

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

12 জন ছাত্রৰ মাজত যাতে প্রতিজন ছাত্রই কমেও এটা কলম পায় আৰু কেবল দুজন ছাত্রই কমেও দুটা কলম পায়, তেন্তে 30 টা একে কলম বিতৰণ কৰাৰ মুঠ উপায় হ'ব _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 23 Question Id : 7155052591 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let $(1+x^2-x^4)^{12} = \sum_{n=0}^{48} a_n x^n$. Then $a_0 + a_2 + a_4 + \dots + a_{44}$ is equal to

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 23 Question Id : 7155052591 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ধৰাহ'ল $(1+x^2-x^4)^{12} = \sum_{n=0}^{48} a_n x^n$. তেওঁতে $a_0 + a_2 + a_4 + \dots + a_{44}$ সমান হ'ব _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 24 Question Id : 7155052592 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

If S_n denotes the sum of first n terms of the series $7 + 10 + 16 + 25 + 37 + \dots$, then $S_{30} - S_{20}$ is equal to _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 24 **Question Id :** 7155052592 **Question Type :** SA **Calculator :** None

Response Time : N.A **Think Time :** N.A **Minimum Instruction Time :** 0

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

যদি $7 + 10 + 16 + 25 + 37 + \dots$, শ্রেণীটোৰ 1ম n টা পদৰ যোগফল S_n য়ে বুজায়, তেন্তে $S_{30} - S_{20}$ সমান হ'ব _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 25 **Question Id :** 7155052593 **Question Type :** SA **Calculator :** None

Response Time : N.A **Think Time :** N.A **Minimum Instruction Time :** 0

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

If $[t]$ denotes the greatest integer $\leq t$, then the number of points, at which the function

$f(x) = \left[x + x^3 \right] + \left| x - x^3 \right| + \left| x + \frac{1}{2} \right|$ is not differentiable in the open interval $(-10, 10)$, is _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 25 Question Id : 7155052593 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

যদি $[t]$ য়ে $\leq t$, δ গৰিষ্ঠ অখণ্ড সংখ্যা বুজায়, তেন্তে ত্ব $f(x)=[x+x^3]+|x-x^3|+|x+\frac{1}{2}|$ ফলনটো $(-10, 10)$ মুক্ত

অন্তৰালত অৱকলনীৰ নোহোৱা বিন্দুৰ সংখ্যা হ'ব _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 26 Question Id : 7155052594 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

If $\int \frac{dx}{(3x^2+5)\sqrt{10x^2+7}} = -\frac{1}{\sqrt{580}} \log_e |f(x)| + C$ where C is an arbitrary constant, then $f(0)$ is equal to

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 26 Question Id : 7155052594 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

যদি $\int \frac{dx}{(3x^2+5)\sqrt{10x^2+7}} = -\frac{1}{\sqrt{580}} \log_e |f(x)| + C$ য'ত C এটা স্বেচ্ছ ধৰুৱক, তেন্তে $f(0)$ সমান হ'ব:

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 27 Question Id : 7155052595 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let the equation of the hyperbola with foci $(1, 5)$, $(1, -1)$ and eccentricity $\sqrt{3}$ be $x^2 - 2y^2 + ax + by + c = 0$. Then $|a + b + c|$ is equal to _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 27 Question Id : 7155052595 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ধৰাহ'ল $x^2 - 2y^2 + ax + by + c = 0$ এটা পৰাবৃত্তৰ সমীকৰণ যাৰ নাভি দুয় $(1, 5)$ আৰু $(1, -1)$ আৰু উৎকেন্দ্ৰতা $\sqrt{3}$ তেন্তে, $|a + b + c|$ সমান হ'ব _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 28 **Question Id :** 7155052596 **Question Type :** SA **Calculator :** None

Response Time : N.A **Think Time :** N.A **Minimum Instruction Time :** 0

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

Let α_1, α_2 be the values of α such that the distance between the point $(2, 4, 3)$ and the plane $3x + y + \alpha z + 10 = 0$ is $\sqrt{35}$ units. Then the area of the triangle with vertices $(\alpha_1, \alpha_2, 0)$, $(\alpha_2, \alpha_1, 0)$ and $(\frac{164}{13}, 5, 0)$ is _____ unit².

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 28 **Question Id :** 7155052596 **Question Type :** SA **Calculator :** None

Response Time : N.A **Think Time :** N.A **Minimum Instruction Time :** 0

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

ধৰাহ' α ৰ মান ক্ৰমে α_1, α_2 যাতে $(2, 4, 3)$ বিন্দু $3x + y + \alpha z + 10 = 0$ সমতলৰ দূৰত্ব $\sqrt{35}$ একক হয়, $(\alpha_1, \alpha_2, 0)$, $(\alpha_2, \alpha_1, 0)$ আৰু $(\frac{164}{13}, 5, 0)$ বিন্দু বিশিষ্ট ত্ৰিভুজৰ কালি হ'ব _____ বৰ্গ একক।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 29 Question Id : 7155052597 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let O be the origin and let the vectors $\overline{OA} = -3\hat{i} + 7\hat{j} + 5\hat{k}$, $\overline{OB} = -5\hat{i} + 7\hat{j} - 3\hat{k}$ and $\overline{OC} = \hat{u}$ represent three sides of a parallelepiped, where \hat{u} is a unit vector in the xy - plane. If the maximum volume of the parallelepiped is $2\sqrt{\alpha}$, then α is equal to _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 29 Question Id : 7155052597 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ধৰাহ'ল O মূলবিন্দু আৰু ধৰাহ'ল

$\overline{OA} = -3\hat{i} + 7\hat{j} + 5\hat{k}$, $\overline{OB} = -5\hat{i} + 7\hat{j} - 3\hat{k}$ আৰু

$\overline{OC} = \hat{u}$, xy - সমতলত এটা একক ভেক্টৰ, ভেক্টৰ তিনিটাই এটা চৌৰাচ্যৰ বাহুবোৰক বুজায়। যদি

চৌৰাচ্যটোৰ গৰিষ্ঠ আয়তন হয়, তেন্তে $2\sqrt{\alpha}$ সমান হ'ব _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 30 Question Id : 7155052598 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

If the solution curve of the differential equation $\frac{x+y-2}{x+y-1} \frac{dy}{dx} = \frac{x+y+2}{x+y+1}$, $x+y > 2$ passes through the points $(\sqrt{2}, \sqrt{2})$ and $(2, \alpha)$, then $2\alpha - \log_e \left(\frac{\alpha^2 + 4\alpha + 2}{6} \right)$ is equal to _____ .

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 30 Question Id : 7155052598 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

যদি $\frac{x+y-2}{x+y-1} \frac{dy}{dx} = \frac{x+y+2}{x+y+1}$, $x+y > 2$ অৱকলন সমীকৰণৰ সমাধান বক্ৰ $(\sqrt{2}, \sqrt{2})$ তথা $(2, \alpha)$ বিন্দুৰ মাজেৰে পাৰ হয় তেন্তে, $2\alpha - \log_e \left(\frac{\alpha^2 + 4\alpha + 2}{6} \right)$ সমান হ'ব _____ ।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Aptitude Test

Section Id :	715505161
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	715505161
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 31 Question Id : 7155052599 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Adobe is a

Options :

7155058171. Type of cement

7155058172. Type of floor finish

7155058173. Type of paint

7155058174. Type of Brick

Question Number : 31 Question Id : 7155052599 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

এডবি হৈছে

Options :

7155058171. এক প্ৰকাৰৰ চিমেন্ট

7155058172. এক প্ৰকাৰৰ মজিয়াৰ পলিচ

7155058173. এটা প্ৰকাৰৰ ৰং

7155058174. এটা প্ৰকাৰৰ ইটা

Question Number : 32 Question Id : 7155052600 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements:

Statement I : Chandigarh is the first planned city of Independent India

Statement II : Chandigarh city was designed by Swiss French architect Le Corbusier

In the light of above statements, choose the **most appropriate** answer form the options given below

Options :

7155058175. Both Statement I and Statement II are correct

7155058176. Both Statement I and Statement II are incorrect

7155058177. Statement I is correct but statement II is incorrect

7155058178. Statement I is incorrect but statement II is correct

Question Number : 32 Question Id : 7155052600 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তলত দুটা তথ্য আগবঢ়োৱা হৈছেঃ

উক্তি I : চণ্ডীগড় স্বাধীন ভাৰতৰ প্ৰথম পৰিকল্পিত চহৰ

উক্তি II : চণ্ডীগড় চহৰখন চুইছ ফ্ৰেন্স বাস্তুকলাবিদ লী কৰবুজিয়াৰে ৰচনা কৰিছে।

ওপৰৰ তথ্যমতে শুদ্ধ উত্তৰটো চয়ন কৰা

Options :

7155058175. উক্তি I আৰু উক্তি II দুয়োটা শুদ্ধ

7155058176. উক্তি I আৰু উক্তি II দুয়োটা ভুল

7155058177. উক্তি I টো শুদ্ধ কিন্তু উক্তি II টো ভুল

7155058178. উক্তি I টো ভুল কিন্তু উক্তি II টো শুদ্ধ

Question Number : 33 Question Id : 7155052601 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements:

Statement I : Glass has low thermal conductivity

Statement II : Glass can absorb, refract and transmit light.

In the light of above statements, choose the most appropriate answer form the options given below

Options :

7155058179. Both Statement I and Statement II are correct

7155058180. Both Statement I and Statement II are incorrect

7155058181. Statement I is correct but statement II is incorrect

7155058182. Statement I is incorrect but statement II is correct

Question Number : 33 Question Id : 7155052601 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তলত দুটা তথ্য দিয়া হৈছেঃ

তথ্য I : কাঁচৰ তাপ পৰিবহন ক্ষমতা কম

তথ্য II : কাঁচে পোহৰ শোহিব, বিবৰ্তন কৰিব আৰু স্থানান্তৰ কৰিব পাৰে।

ওপৰৰ তথ্যৰ ভিত্তিত শুদ্ধ উত্তৰটো চিনাক্ত কৰা

Options :

7155058179. তথ্য I আৰু তথ্য II দুয়োটা শুদ্ধ

7155058180. তথ্য I আৰু তথ্য II দুয়োটা ভুল

7155058181. তথ্য I টো শুদ্ধ কিন্তু তথ্য II টো ভুল

7155058182. তথ্য I টো ভুল কিন্তু তথ্য II টো শুদ্ধ

Question Number : 34 Question Id : 7155052602 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

LIST I		LIST II	
A.	PMUY	I.	KAUSHAL VISKAS YOJNA
B.	PMAY	II.	JAN DHAN YOJANA
C.	PMKVY	III.	UJJWALA YOJANA
D.	PMJDY	IV.	AWAS YOJANA

Choose the correct answer from the options given below:

Options :

7155058183. A-I, B-III, C-II, D-IV

7155058184. A-III, B-IV, C-I, D-II

7155058185. A-IV, B-II, C-III, D-I

7155058186. A-IV, B-III, C-I, D-II

Question Number : 34 Question Id : 7155052602 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তালিকা I ব সৈতে তালিকা II ক মিলোৱা

LIST I		LIST II	
A.	পিএমইউওৱাই (PMUY)	I.	কৌশল বিকাশ যোজনা
B.	পিএমএওৱাই (PMAY)	II.	জন ধন যোজনা
C.	পিএমকেভিওৱাই (PMKVY)	III.	উজ্জলা যোজনা
D.	পিএমজেডিওৱাই (PMJDY)	IV.	আৱাস যোজনা

Choose the correct answer from the options given below:

Options :

7155058183. A-I, B-III, C-II, D-IV

7155058184. A-III, B-IV, C-I, D-II

7155058185. A-IV, B-II, C-III, D-I

7155058186. A-IV, B-III, C-I, D-II

Question Number : 35 Question Id : 7155052603 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

LIST I		LIST II	
A.	CP Kukreja	I.	IIM Ahmedabad
B.	Louis I Kahn	II.	Jawahar Lal Nehru University
C.	B.V Doshi	III.	IIT Kanpur
D.	Achyut Kanvinde	IV.	IIM Bengaluru

Choose the correct answer from the options given below:

Options :

7155058187. A-IV, B-II, C-I, D-III

7155058188. A-III, B-I, C-II, D-IV

7155058189. A-II, B-I, C-IV, D-III

7155058190. A-I, B-IV, C-III, D-II

Question Number : 35 Question Id : 7155052603 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তালিকা I ৰ সৈতে তালিকা II ক মিলোৱা

তালিকা I		তালিকা II	
A.	চি পি কুকৰেজা	I.	আইআইএম আহমদাবাদ
B.	লুইচ আই কান	II.	জৱাহৰলাল নেহৰু বিশ্ববিদ্যালয়
C.	বি ডি দেশী	III.	আইআইটি কানপুৰ
D.	অচ্যুত কান্দবিন্দে	IV.	আইআইএম বেংগালুৰু

প্ৰদত্ত বিকল্পসমূহৰ পৰা শুদ্ধ বিকল্পটো বাছনি কৰক:

Options :

7155058187. A-IV, B-II, C-I, D-III

7155058188. A-III, B-I, C-II, D-IV

7155058189. A-II, B-I, C-IV, D-III

7155058190. A-I, B-IV, C-III, D-II

Question Number : 36 Question Id : 7155052604 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which one of these is not a complimentary colour?

Options :

7155058191. Blue-Orange

7155058192. Red-Green

7155058193. Blue-Green

7155058194. Violet-Yellow

**Question Number : 36 Question Id : 7155052604 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

তলৰ কোনটো পৰিপূৰণ ৰং নহয়?

Options :

7155058191. নীলা- কমলা

7155058192. ৰঙা-সেউজীয়া

7155058193. নীলা-সেউজীয়া

7155058194. বেঙুনীয়া-হালধীয়া

**Question Number : 37 Question Id : 7155052605 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

In which State of India, Robbers cave is situated:

Options :

7155058195. Himachal Pradesh

7155058196. Uttarakhand

7155058197. Uttar Pradesh

7155058198. Madhya Pradesh

Question Number : 37 Question Id : 7155052605 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ৰবাৰ'ছ গুহাটো ভাৰতৰ কোনখন ৰাজ্যত অৱস্থিতঃ

Options :

7155058195. হিমাচল প্ৰদেশ

7155058196. উত্তৰাখণ্ড

7155058197. উত্তৰ প্ৰদেশ

7155058198. মধ্য প্ৰদেশ

Question Number : 38 Question Id : 7155052606 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Choose the correct option among the following:

Petronas Tower is situated in:

Options :

7155058199. Paris

7155058200. Dubai

7155058201. Kuala Lumpur

7155058202. New York

Question Number : 38 Question Id : 7155052606 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

শুদ্ধ উত্তৰটো বাছনি কৰা:

পেট্ৰোনাছ টাৱাৰটো অৱস্থিত হয়:

Options :

7155058199. পেৰিছত

7155058200. দুবাইত

7155058201. কুৱালা লাম্পুৰত

7155058202. নিউয়ৰ্ক

Question Number : 39 Question Id : 7155052607 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The Konark Temple is located in which state?

Options :

7155058203. Madhya Pradesh

7155058204. Odisha

7155058205. Karnataka

7155058206. Rajasthan

Question Number : 39 Question Id : 7155052607 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

কোনার্ক মন্দির কোনখন রাজ্যত অরস্থিত?

Options :

7155058203. মধ্য প্রদেশ

7155058204. উর্ষ্যা

7155058205. কর্ণাটক

7155058206. রাজস্থান

Question Number : 40 Question Id : 7155052608 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Who is the architect of the Lotus Temple?

Options :

7155058207. Louis I Kahn

7155058208. Mohse Safdi

7155058209. Fariborz Sahba

7155058210. Richard Meyer

Question Number : 40 Question Id : 7155052608 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

লোটাছ মন্দিৰৰ বাস্তুকলাবিদ কোন হয়?

Options :

7155058207. লুইছ আই কান

7155058208. মোহছে ছাফডি

7155058209. ফৰিজ ছাহবা

7155058210. ৰিছাৰ্ড মিয়াৰ

Question Number : 41 Question Id : 7155052609 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A small lift for carrying only a small load is known as:

Options :

7155058211. A dead Bearer

7155058212. A Dumb Waiter

7155058213. A Jockey Boy

7155058214. A push upper

Question Number : 41 Question Id : 7155052609 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

କମ ଓଜନ କଢ଼ିଓରା ସବୁ ଲିଫ୍ଟର ନାମ କିଃ

Options :

7155058211. ଏଟା ଡେଡ ବିୟେର

7155058212. ଏଟା ଡାନ୍ସ ରେହିଟାର

7155058213. ଏଟା ଜକି ବୟ

7155058214. ଏଟା ପୁଛ ଆପାର

Question Number : 42 Question Id : 7155052610 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which are often referred as 'twin cities' of Odisha?

Options :

7155058215. Bhubaneswar-Puri

7155058216. Puri-Cuttack

7155058217. Bhubaneswar-Cuttack

7155058218. Bhubaneswar-Rourkela

Question Number : 42 Question Id : 7155052610 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

উৰিষ্যাৰ যমজ চহৰ হিচাপে জনাজাত কোনখন?

Options :

7155058215. ভূৰনেশ্বৰ-পুৰী

7155058216. পুৰী-কটক

7155058217. ভূৰনেশ্বৰ-কটক

7155058218. ভূৰনেশ্বৰ-ৰাণেশ্বৰ

Question Number : 43 Question Id : 7155052611 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which is the correct chronology of Human Civilizations in terms of their existence?

Options :

7155058219. Mesopotamia-Harappa-Egyptian-Chinese

7155058220. Mesopotamia-Egyptian-Harappa-Chinese

7155058221. Mesopotamia-Chinese-Harappa-Egyptian

7155058222. Egyptian-Mesopotamia-Harappa-Sumerian

Question Number : 43 Question Id : 7155052611 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

মানৱ সভ্যতাৰ উত্থানৰ শুদ্ধ ক্ৰমটো চিনাক্ত কৰা?

Options :

7155058219. মেছোপটেমিয়া-হৰণা-ইজিপ্তিয়ান-চাইনিজ

7155058220. মেছোপটেমিয়া-ইজিপ্তিয়ান-হৰণা-চাইনিজ

7155058221. মেছোপটেমিয়া-চাইনিজ-হৰণা-ইজিপ্তিয়ান

7155058222. ইজিপ্তিয়ান- মেছোপটেমিয়া-হৰণা-ছোমেৰিয়ান

Question Number : 44 Question Id : 7155052612 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Qutub-Minar in Delhi was built by:

Options :

7155058223. Shah Jahan

7155058224. Jahangir

7155058225. Akbar

7155058226. Qutub ud-din Aibak

Question Number : 44 Question Id : 7155052612 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

দিল্লীৰ কুটুব মিনাৰ কোনে নিৰ্মাণ কৰিছিলঃ

Options :

7155058223. ছাহ জাহান

7155058224. জাহাংগীৰ

7155058225. আকবৰ

7155058226. কুটুব-উদ্দিন আইবাক

Question Number : 45 Question Id : 7155052613 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which direction in the southern hemisphere would you get glare free (diffused) light throughout the year?

Options :

7155058227. North

7155058228. South

7155058229. East

7155058230. West

Question Number : 45 Question Id : 7155052613 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

দক্ষিণ গোলার্ধৰ কোনটো দিশত সূৰ্যৰ কোমল কিৰণ গোটেই বছৰ পোৱা যায়?

Options :

7155058227. উত্তৰ

7155058228. দক্ষিণ

7155058229. পূব

7155058230. পশ্চিম

Question Number : 46 Question Id : 7155052614 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Who is the architect of the famous "Jawaharlal Kala Complex" in Jaipur?

Options :

7155058231. Raj Rewal

7155058232. Charles Correa

7155058233. Achyut Kanvinde

7155058234. Hafeez Contractor

Question Number : 46 Question Id : 7155052614 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

জয়পুৰৰ জৱাহৰ কলা কেন্দ্ৰৰ বাস্তুকলাবিদ কোন হয়?

Options :

7155058231. ৰাজ ৰিৱাল

7155058232. চাৰ্লজ কেৰিয়া

7155058233. অচ্যুত কানবিন্দে

7155058234. হাফিজ কন্ট্ৰেক্টৰ

Question Number : 47 Question Id : 7155052615 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Dhajji-Dewari is a construction style popular predominantly in _____.

Options :

7155058235. Coastal Areas

7155058236. Plains

7155058237. Mountainous Region

7155058238. Desert Areas

Question Number : 47 Question Id : 7155052615 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ধজ্জি দিৱাৰী _____ ঠাইৰ এটা নিৰ্মাণশৈলী হয়।

Options :

7155058235. সাগৰীয় উপকণ্ঠ অঞ্চল

7155058236. সমতল

7155058237. পাহাৰীয়া অঞ্চল

7155058238. মৰুভূমি

Question Number : 48 Question Id : 7155052616 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which stone is used for roofing in mountainous regions?

Options :

7155058239. Marble

7155058240. Granite

7155058241. Shale

7155058242. Sand Stone

Question Number : 48 Question Id : 7155052616 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

পাহাৰীয়া ঠাইৰ ঘৰৰ মুখচত ব্যৱহাৰ হোৱা শিলৰ নামটো কি?

Options :

7155058239. মাৰ্বল

7155058240. গ্ৰেণাইট

7155058241. ছেল

7155058242. বালি শিল

Question Number : 49 Question Id : 7155052617 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Chandigarh is an example of which type of city planning.

Options :

7155058243. Radio Centric

7155058244. Grid-iron

7155058245. Linear

7155058246. Organic

Question Number : 49 Question Id : 7155052617 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

চণ্ডীগড় চহৰখন কোনখন নগৰ পৰিকল্পনাৰ উদাহৰণ।

Options :

7155058243. ৰেডিঅ চেন্দ্ৰিক

7155058244. গ্ৰীড-আইৰণ

7155058245. লিনিয়াৰ

7155058246. অগেনিক

Question Number : 50 Question Id : 7155052618 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

If you have to build on the seashore in Goa, which rooms would have the best view of the sea?

Options :

7155058247. Those facing North

7155058248. Those facing South

7155058249. Those facing East

7155058250. Those facing West

Question Number : 50 Question Id : 7155052618 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

গোৱাৰ সাগৰৰ পাৰত নিৰ্মাণ কৰিলে কোনবোৰ কোঠালিয়ে সবাতোকৈ ভাল দৃশ্য উপভোগ কৰিব?

Options :

7155058247. যিবোৰ উত্তৰ দিশে মুখ কৰি আছে

7155058248. যিবোৰে দক্ষিণ দিশত মুখ কৰি আছে

7155058249. যিবোৰে পূব দিশে মুখ কৰি আছে

7155058250. ষিবোৰে পশ্চিম দিশে মুখ কৰি আছে

Question Number : 51 Question Id : 7155052619 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

"NIFT" National Institute of Fashion Technology, Delhi is designed by

Options :

7155058251. B.V Doshi

7155058252. C.P Kukreja

7155058253. Raj Rewal

7155058254. Bimal Patel

Question Number : 51 Question Id : 7155052619 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

"NIFT" নেচনেল ইনষ্টিটিউট অৱ ফেচন টেকনোলজী, দিল্লী কোনে ৰচনা কৰিছে

Options :

7155058251. বি ডি দোশী





7155058252. চি পি কুৰবেজা

7155058253. ৰাজ ৰিৱাল

Question Number : 52 Question Id : 7155052620 Question Type : MCQ Option Shuffling : Yes Is
 Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
 Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

LIST I		LIST II	
A.		I.	Empire state Building
B.		II.	Hagia Sophia
C.		III.	Sydney Opera House
D.		IV.	Colosseum

Choose the correct answer from the options given below:

Options :

7155058255. A-II, B-I, C-IV, D-III

7155058256. A-I, B-III, C-IV, D-II

7155058257. A-I, B-II, C-III, D-IV

7155058258. A-IV, B-III, C-II, D-I





Question Number : 52 Question Id : 7155052620 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তালিকা I ৰ সৈতে তালিকা II মিলোৱা

LIST I		LIST II	
A.		I.	এম্পাইৰ ষ্টেট বিল্ডিং
B.		II.	হাগিয়া ছোফিয়া
C.		III.	ছিডনী অপেৰা হাউচ
D.		IV.	কোলোছিয়াম

প্ৰদত্ত বিকল্পসমূহৰ পৰা শুদ্ধ উত্তৰটো চিনাক্ত কৰা।

Options :

7155058255. A-II, B-I, C-IV, D-III

7155058256. A-I, B-III, C-IV, D-II





7155058257. A-I, B-II, C-III, D-IV

7155058258. A-IV, B-III, C-II, D-I

Question Number : 53 Question Id : 7155052621 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

LIST I		LIST II	
A.		I.	Tesla
B.		II.	Ferrari
C.		III.	Porsche
D.		IV.	Toyota

Choose the correct answer from the options given below:

Options :

7155058259. A-IV, B-I, C-II, D-III

7155058260. A-II, B-III, C-I, D-IV

7155058261. A-III, B-II, C-I, D-IV

7155058262. A-IV, B-III, C-II, D-I





Question Number : 53 Question Id : 7155052621 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তালিকা I ৰ সৈতে তালিকা II মিলাবা

LIST I		LIST II	
A.		I.	টেছলা
B.		II.	ফেৰাৰী
C.		III.	পোর্ছে
D.		IV.	টোয়োটা

প্রদত্ত বিকল্পসমূহৰ পৰা শুদ্ধ উত্তৰটো বাছনি কৰাঃ

Options :

7155058259. A-IV, B-I, C-II, D-III

7155058260. A-II, B-III, C-I, D-IV

7155058261. A-III, B-II, C-I, D-IV

7155058262. A-IV, B-III, C-II, D-I

Question Number : 54 Question Id : 7155052622 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements:

Statement I : Red, Blue and Yellow are the primary colours of a colour wheel.

Statement II : The colours which are positioned opposite to each other in a colour wheel are known as complementary colours.

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

Options :

7155058263. Both Statement I and Statement II are correct

7155058264. Both Statement I and Statement II are incorrect

7155058265. Statement I is correct but statement II is incorrect

7155058266. Statement I is incorrect but statement II is correct

Question Number : 54 Question Id : 7155052622 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তলত দুটা তথ্য দিয়া হৈছে:

তথ্য I : বঙা, নীয়া আৰু হালধীয়া এটা বং ঘূৰ্ণৰ প্ৰাথমিক বং।

তথ্য II : বং ঘূৰ্ণৰ বিপৰীত দিশত অৱস্থিত বং বোৰক পৰিপূৰক বং বুলি কোৱা হয়।

ওপৰৰ তথ্যৰ ভিত্তিত শুদ্ধ উত্তৰটো চিনাক্ত কৰা

Options :

7155058263. তথ্য I আৰু II দুয়োটা তথ্য শুদ্ধ

7155058264. তথ্য I আৰু II দুয়োটা তথ্য ভুল

7155058265. তথ্য I টো শুদ্ধ কিন্তু তথ্য II টো ভুল

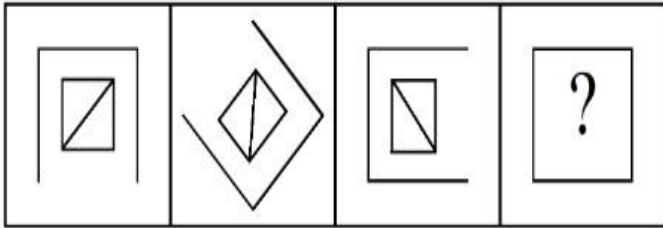
7155058266. তথ্য I টো ভুল কিন্তু তথ্য II টো শুদ্ধ

Question Number : 55 Question Id : 7155052623 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

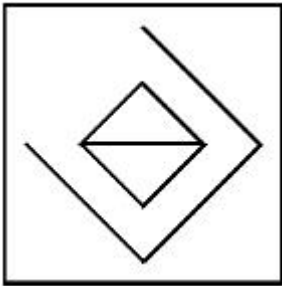
Correct Marks : 4 Wrong Marks : 1

Following question consists of problem figures followed by answer figures. Select a figure from amongst the answer figures which will continue the same series or pattern as established by the problem figures.

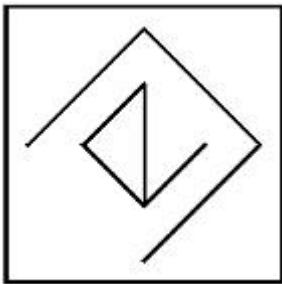
PROBLEM FIGURES



Options :

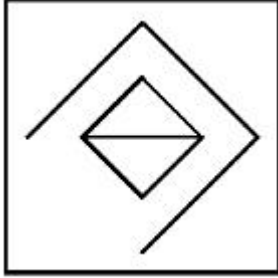
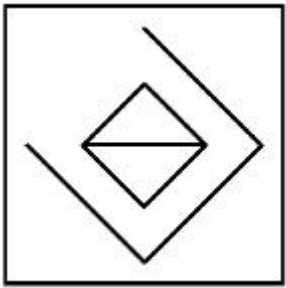


7155058267.



7155058268.

7155058269.

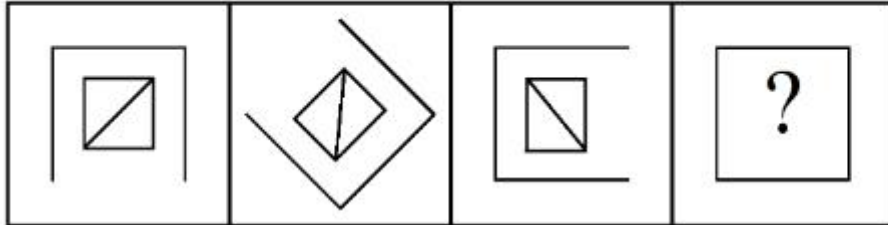


7155058270.

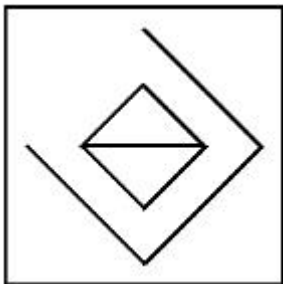
Question Number : 55 Question Id : 7155052623 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তলত দিয়া প্রশ্ন চিত্রৰ ক্ৰমটো সম্পূৰ্ণ কৰা শুদ্ধ উত্তৰটো চিনাক্ত কৰা।

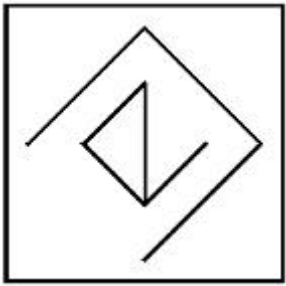


Options :

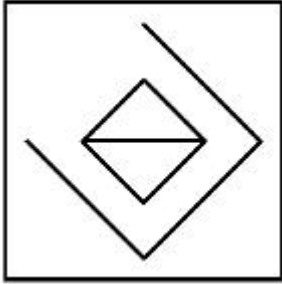


7155058267.

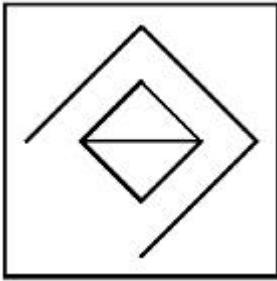
7155058268.



7155058269.



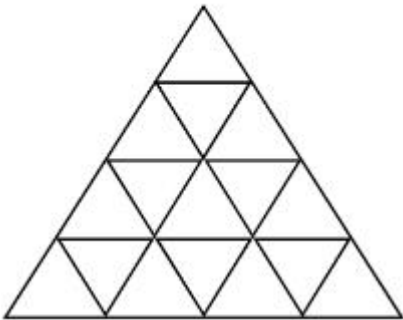
7155058270.



Question Number : 56 Question Id : 7155052624 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

How many triangles are there in given figure:-



Options :

7155058271. 26

7155058272. 25

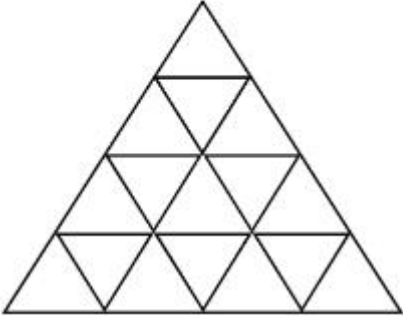
7155058273. 27

7155058274. 24

Question Number : 56 Question Id : 7155052624 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

উক্ত চিত্রটোত কেইটা ত্ৰিভূজ আছেঃ



Options :

7155058271. 26

7155058272. 25

7155058273. 27

7155058274. 24

Question Number : 57 Question Id : 7155052625 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find the odd one out:-

7, 9, 25, 32, 43, 59

Options :

7155058275. 59

7155058276. 32

7155058277. 25

7155058278. 9

Question Number : 57 Question Id : 7155052625 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

নিম্নলিখিত অংকটো চিনাক্ত কৰাঃ

7, 9, 25, 32, 43, 59

Options :

7155058275. 59

7155058276. 32

7155058277. 25

7155058278. 9

Question Number : 58 Question Id : 7155052626 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A residential building has 15 floors. The height of ground floor is 4.2 meter (including length and slab thickness). Rest all other floors are of 3.3 meter high (including slab thickness). What is the total height of the building (from ground to terrace) in meters?

Options :

7155058279. 45.6 meter

7155058280. 50 meter

7155058281. 50.4 meter

7155058282. 51.6 meter

Question Number : 58 Question Id : 7155052626 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

এটা আবাসিক গৃহত 15 টা তল আছে। ভূতলৰ উচ্চতা হৈছে 4.2 meter (দীঘ আৰু চাঁদৰ স্থলতা মিলাই)। বাকী সকলো তলৰ উচ্চতা 3.3 meter (চাঁদৰ স্থলতা মিলাই)। গৃহটোৰ পূৰ্ণ উচ্চতা নিৰ্ধাৰণ কৰা (ভূতলৰ পৰা মূধচলৈ) মিটাৰত?

Options :

7155058279. 45.6 meter

7155058280. 50 meter

7155058281. 50.4 meter

7155058282. 51.6 meter

Question Number : 59 Question Id : 7155052627 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the mirror image of the given word:-

SUCCESS

Options :

7155058283. 22ECCU2

7155058284. 22ECCU2

7155058285. SUCCESS

7155058286. SSECCUS

Question Number : 59 Question Id : 7155052627 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

উক্ত শব্দটোৰ প্ৰতিবিম্বটো চিনাক্ত কৰাঃ

SUCCESS

Options :

7155058283. 22ECCU2

7155058284. 22ECCU2

7155058285. SUCCESS

7155058286. SSECCUS

Question Number : 60 Question Id : 7155052628 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The scale of a map is 1:1000. If a car travels 7 cm from point 'A' to point 'B' on the Map. Then how much the car has travelled in original:-

Options :

7155058287. 0.7 km

7155058288. 7000 mm

7155058289. 7 km

7155058290. 70 meter

Question Number : 60 Question Id : 7155052628 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

এখন মানচিত্রৰ মাপ হৈছে 1:1000. যদি এখন গাড়ীয়ে 'A' বিন্দুৰ পৰা 'B' বিন্দুলৈ মানচিত্রত 7 cm অতিক্রম কৰিছে। তেন্তে গাড়ীখনে প্ৰকৃততে কিমান দূৰত্ব অতিক্রম কৰিছেঃ

Options :

7155058287. 0.7 km

7155058288. 7000 mm

7155058289. 7 km

7155058290. 70 meter

Question Number : 61 Question Id : 7155052629 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A land size of 80 meter \times 40 meter for a house design is drawn on paper at a scale of 1:100, then what size is drawn on paper to represent the land?

Options :

7155058291. 8 meter \times 4 meter

7155058292. 80 meter \times 40 meter

7155058293. 8 centimeter \times 4 centimeter

7155058294. 4 meter \times 2 meter

Question Number : 61 Question Id : 7155052629 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

এটা মাটিৰ আকাৰ 80 meter \times 40 meter । যদি সেই মাটিত এটা ঘৰৰ ডিজাইন এখন পেপাৰত 1:100 আঁকিব পাৰে, তেন্তে মাটিটোৰ আকাৰ পেপাৰত হ'ব?

Options :

7155058291. 8 meter \times 4 meter

7155058292. 80 meter \times 40 meter

7155058293. 8 centimeter \times 4 centimeter

7155058294. 4 meter \times 2 meter

Question Number : 62 Question Id : 7155052630 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find the missing number in given series.

16, 33, 65, 131, 261, (.....)

Options :

7155058295. 523

7155058296. 521

7155058297. 524

7155058298. 520

Question Number : 62 Question Id : 7155052630 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

উক্ত ক্রমটোত অনুপস্থিত নম্বৰটো কিঃ

16, 33, 65, 131, 261, (.....)

Options :

7155058295. 523

7155058296. 521

7155058297. 524

7155058298. 520

**Question Number : 63 Question Id : 7155052631 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

In a code language if ROMAN is written as TQOCP: then ITALY is.....

Options :

7155058299. KVCMA

7155058300. KWCNB

7155058301. KUCLA

7155058302. KVCNA

**Question Number : 63 Question Id : 7155052631 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

যদি ROMAN আ'ৰ ক'ড ভাষা TQOCP হয় তেন্তে ITALY হ'ব.....

Options :

7155058299. KVCMA

7155058300. KWCNB

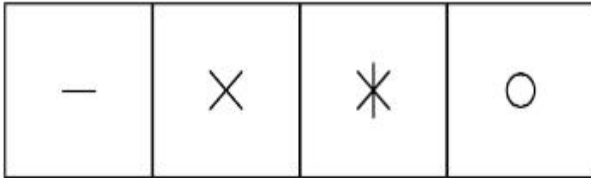
7155058301. KUCLA

7155058302. KVCNA

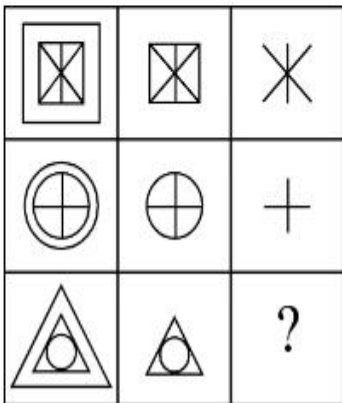
Question Number : 64 Question Id : 7155052632 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Select a suitable figure from the four alternatives which will come in the empty box.



(A) (B) (C) (D)



Options :

7155058303. D

7155058304. C

7155058305. B

7155058306. A

Question Number : 64 Question Id : 7155052632 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তলৰ খালি ডব্বাটোত প্ৰযোজ্য হোৱা শুদ্ধ উত্তৰটো চিনাক্ত কৰা।

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(A) (B) (C) (D)

		?

Options :

7155058303. D

7155058304. C

7155058305. B

7155058306. A

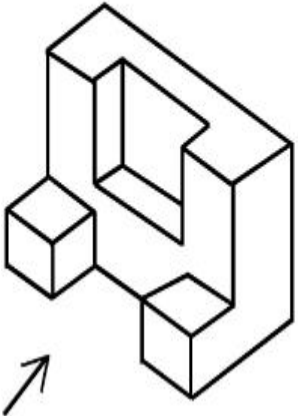
Question Number : 65 Question Id : 7155052633 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

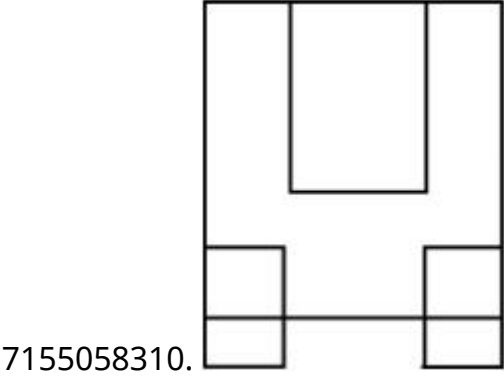
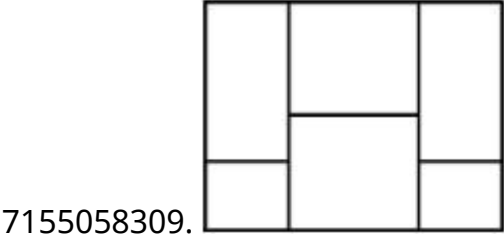
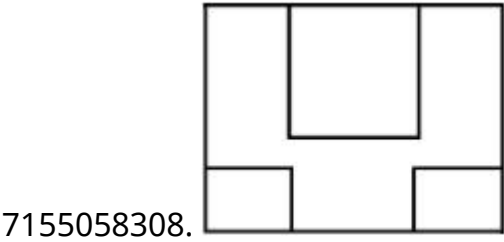
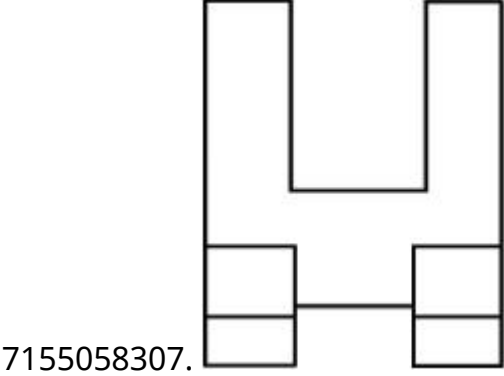
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The 3D figure shows the view of an object. Looking in the direction of arrow, identify the most appropriate elevation from the given answer figures.



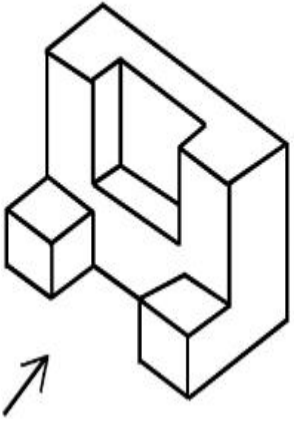
Options :



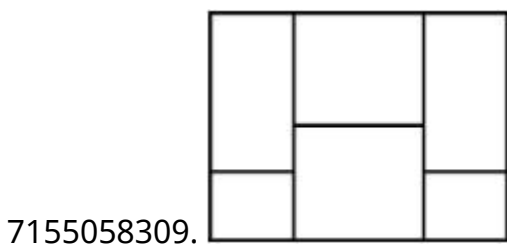
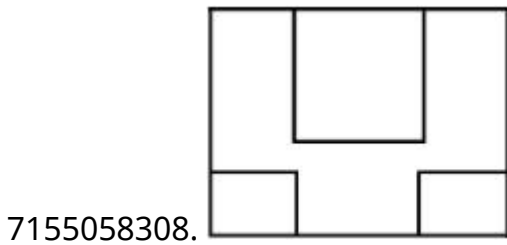
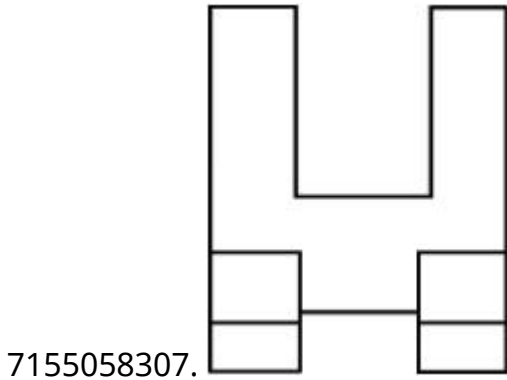
Question Number : 65 Question Id : 7155052633 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

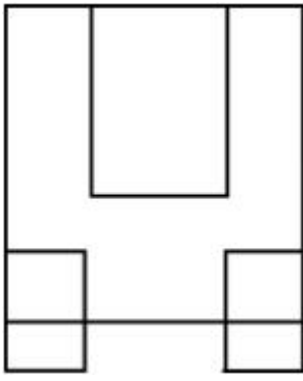
3D চিত্রটোৱে এটা বস্তুৰ দৃশ্য। কাঁড় চিহ্নৰ দিশত বস্তুটোৰ শুদ্ধ সন্মুখফালৰ দৃশ্যটো চিনাক্ত কৰা।



Options :



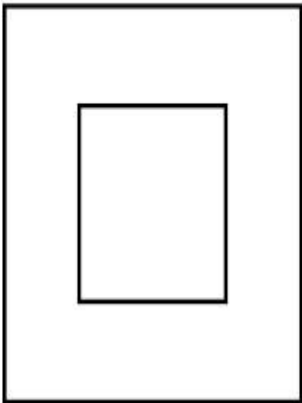
7155058310.



Question Number : 66 Question Id : 7155052634 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

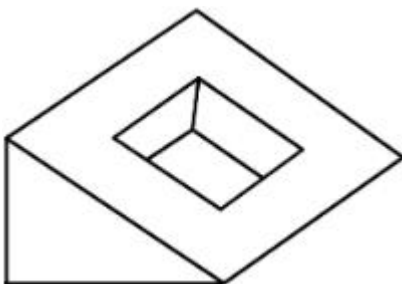
Correct Marks : 4 Wrong Marks : 1

Question figure shows top view/ plan of an object. Identify the INCORRECT 3D view from the given answers figure.

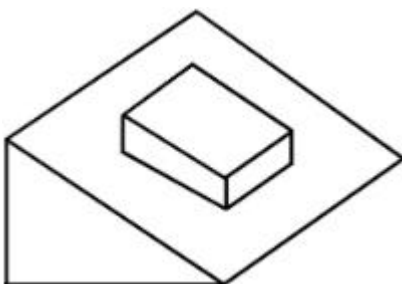


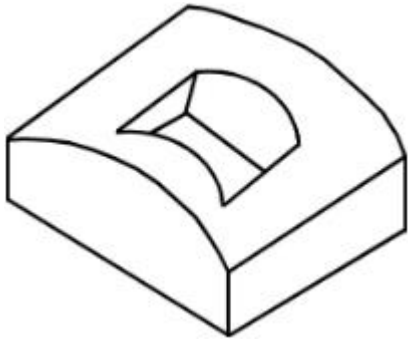
Options :

7155058311.

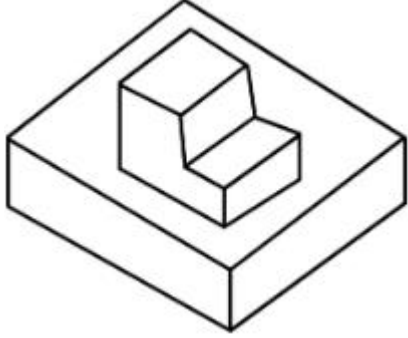


7155058312.





7155058313.

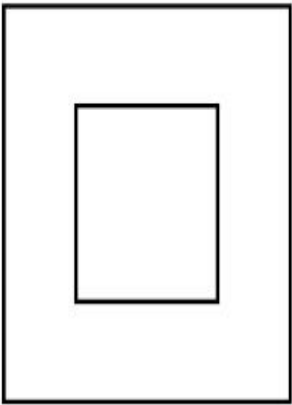


7155058314.

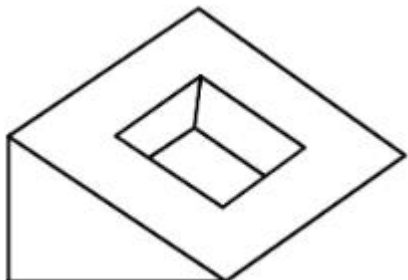
Question Number : 66 Question Id : 7155052634 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

প্রশ্নচিত্রটোৱে এটা বস্তুৰ ওপৰ ফালৰ দৃশ্য দৰ্শায়। তলৰ বিকল্পসমূহৰ পৰা ভুল উত্তৰচিত্রটো চিনাক্ত কৰা।

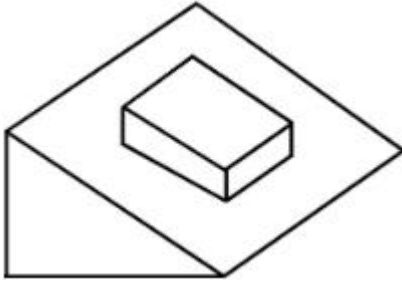


Options :

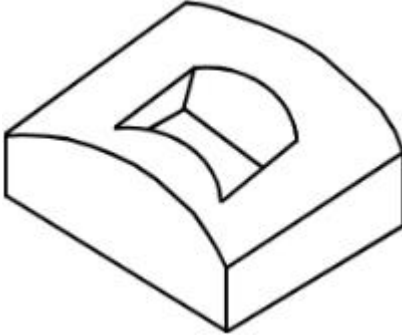


7155058311.

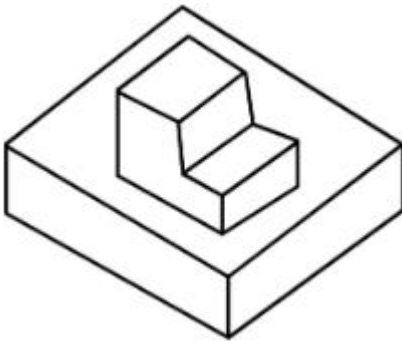
7155058312.



7155058313.



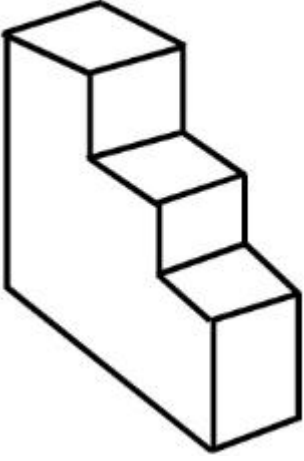
7155058314.



Question Number : 67 Question Id : 7155052635 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

How many surfaces does the object have?



Options :

7155058315. 9

7155058316. 10

7155058317. 8

7155058318. 11

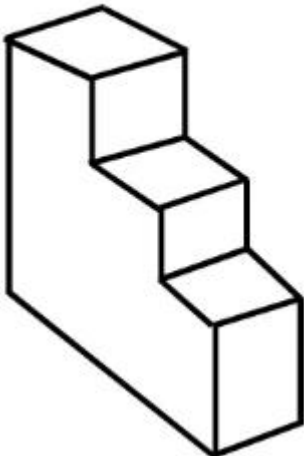
Question Number : 67 Question Id : 7155052635 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

উক্ত বস্তুটোৰ কেইখন পৃষ্ঠতল আছে?



Options :

7155058315. 9

7155058316. 10

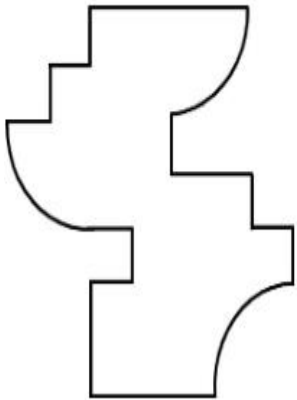
7155058317. 8

7155058318. 11

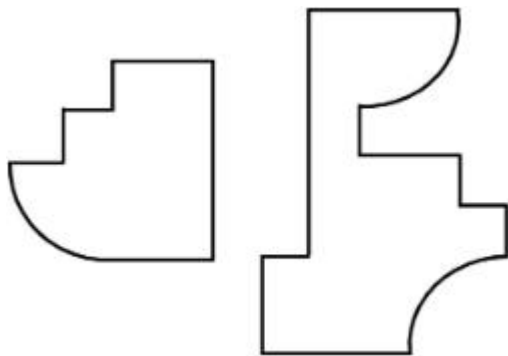
Question Number : 68 Question Id : 7155052636 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

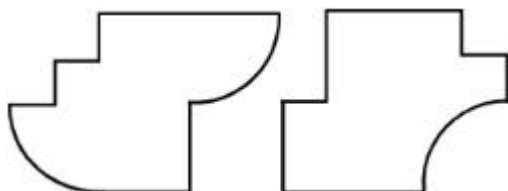
If the question figure is cut into two parts, which of the answer figures complete the question figure without any overlappings?



Options :

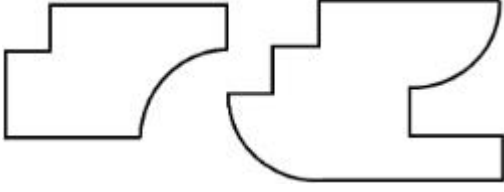


7155058319.

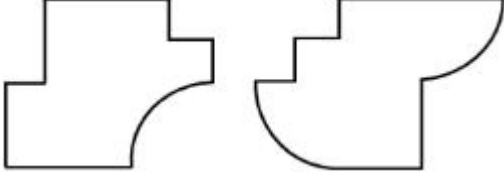


7155058320.

7155058321.



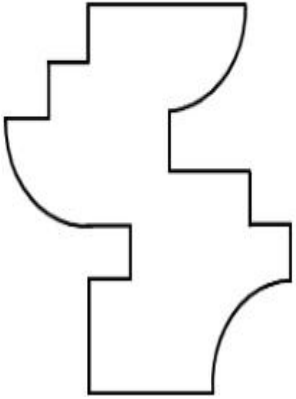
7155058322.



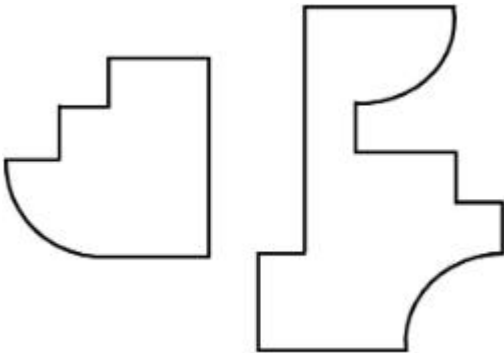
Question Number : 68 Question Id : 7155052636 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

যদি প্রশ্ন চিত্রটোক দুফাল কৰা হয়, তাৰ পিছত তলৰ কোনটো উত্তৰচিত্রই প্রশ্নচিত্রৰ লগত খাপ খাই পৰিব চিনাক্ত কৰা?

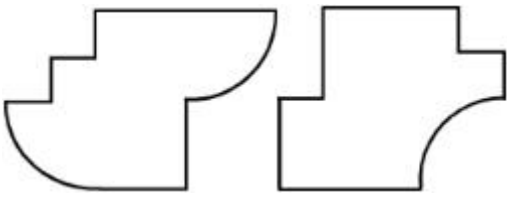


Options :

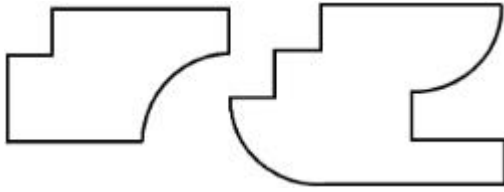


7155058319.

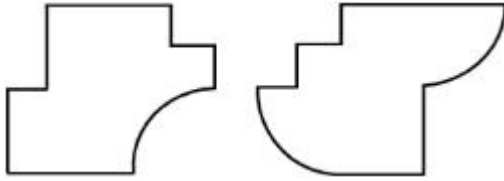
7155058320.



7155058321.



7155058322.



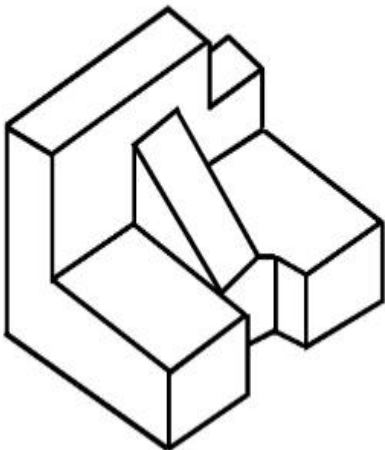
Question Number : 69 Question Id : 7155052637 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

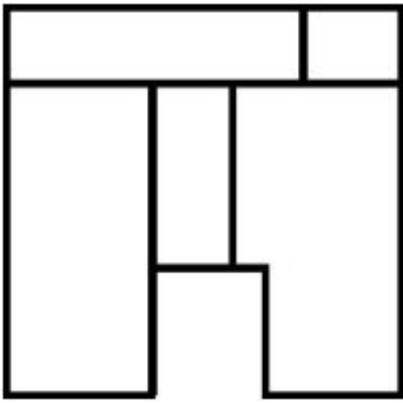
Correct Marks : 4 Wrong Marks : 1

The 3D problem figure shows the view of an object. Identify its appropriate top view from the answer figures.

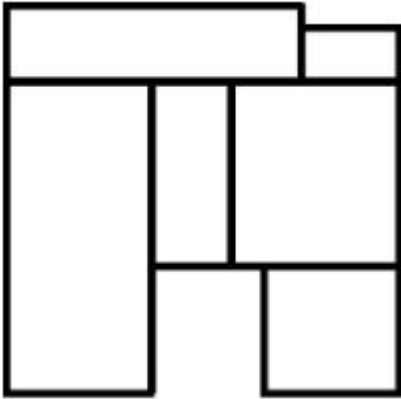


Options :

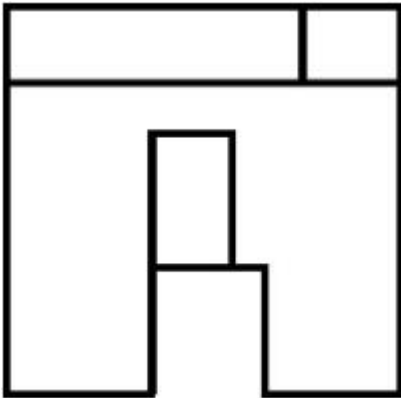
7155058323.



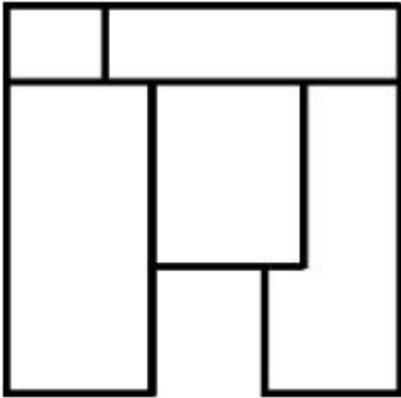
7155058324.



7155058325.



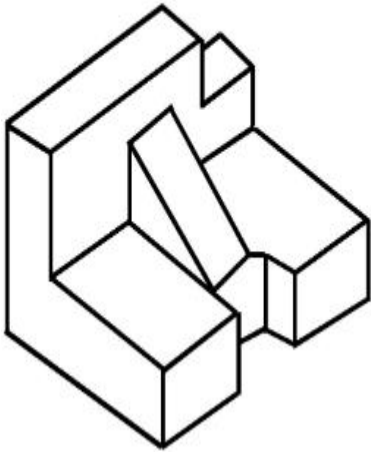
7155058326.



Instruction Time : 0

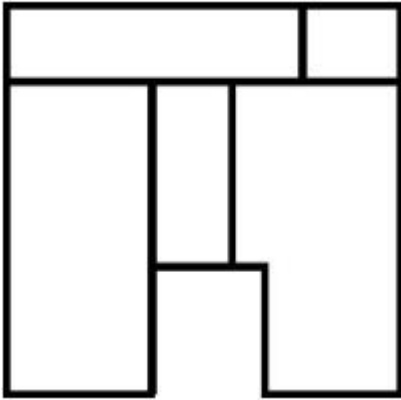
Correct Marks : 4 Wrong Marks : 1

প্ৰশ্নচিত্ৰটোৱে এটা বস্তুৰ 3D দৃশ্য দৰ্শায়। উত্তৰ চিত্ৰসমূহৰ পৰা বস্তুটোৰ শুদ্ধ উত্তৰফালৰ দৃশ্যটো চিনাক্ত কৰা।

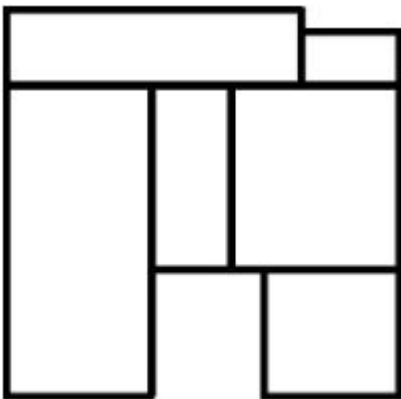


Options :

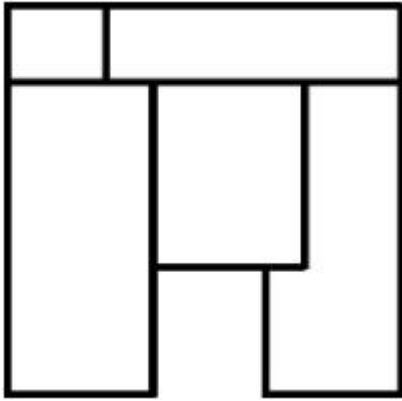
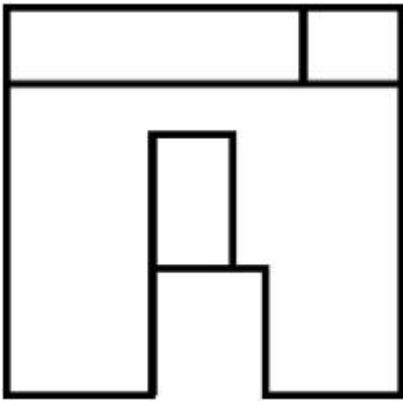
7155058323.



7155058324.



7155058325.



7155058326.

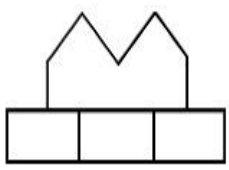
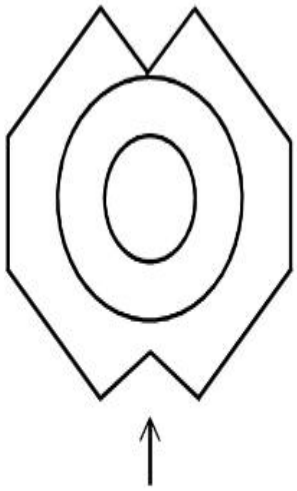
Question Number : 70 Question Id : 7155052638 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

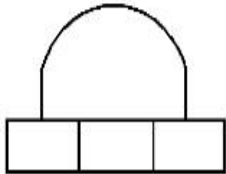
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

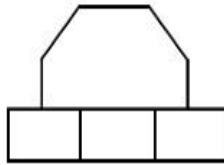
Identify the correct elevation when you look into the object from the marked arrow side of the plan of the object.



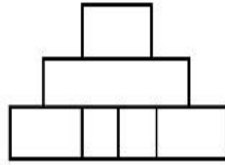
A



B



C



D

Options :

7155058327. D

7155058328. A

7155058329. B

7155058330. C

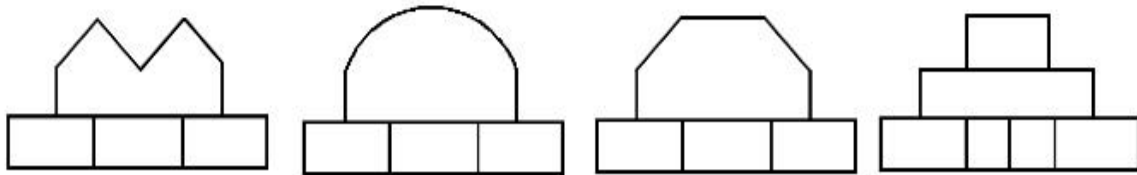
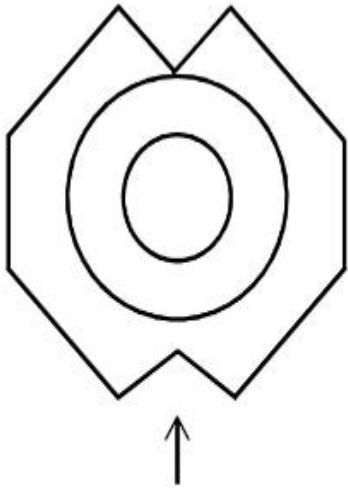
Question Number : 70 Question Id : 7155052638 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

কাড় চিহ্নৰ দিশত উপৰোক্ত বস্তুটোৰ শুদ্ধ সন্মুখ ফালৰ দৃশ্যটো চিনাক্ত কৰা।



A

B

C

D

Options :

7155058327. D

7155058328. A

7155058329. B

7155058330. C

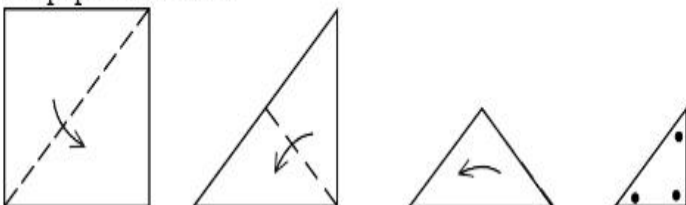
Question Number : 71 Question Id : 7155052639 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

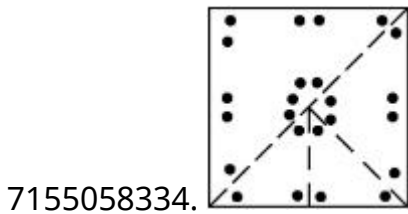
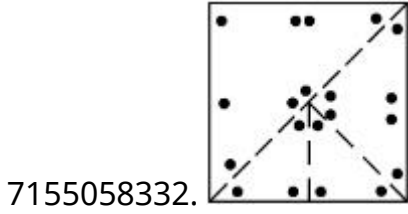
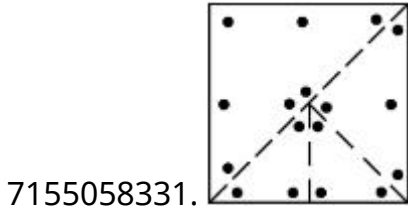
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A paper is folded in a given pattern and it is cut at the end. Identify which pattern is formed when the paper is unfold.



Options :



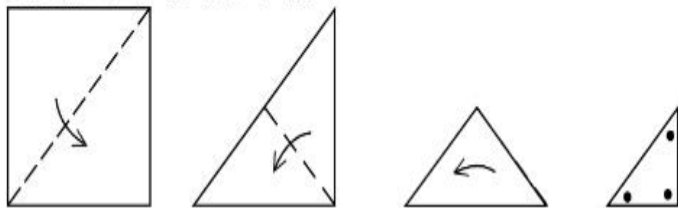
Question Number : 71 Question Id : 7155052639 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

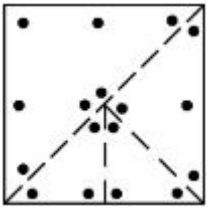
Correct Marks : 4 Wrong Marks : 1

তলত দিয়া ধৰণেৰে এখন কাগজ ভাঁজ কৰি শেষত কটা হৈছে। কাগজখন খোলাৰ পিছত পিছত কি পেটৰ্ন বনিব চিনাক্ত কৰা।

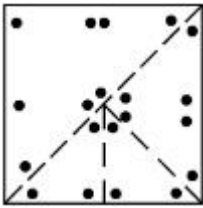


Options :

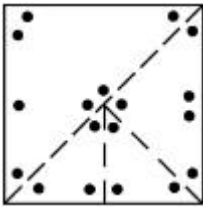
7155058331.



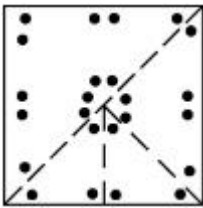
7155058332.



7155058333.



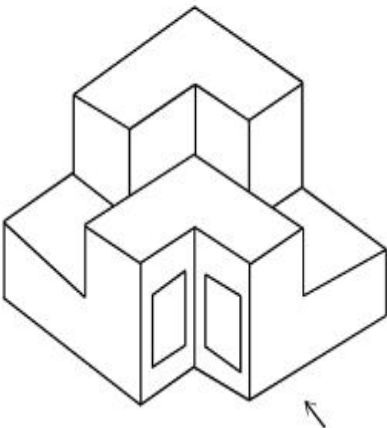
7155058334.



Question Number : 72 Question Id : 7155052640 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

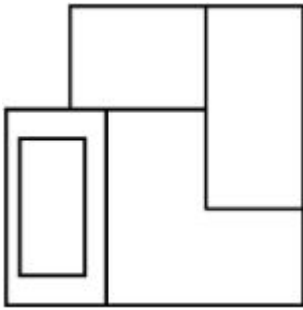
Correct Marks : 4 Wrong Marks : 1

The question figure shows the 3-D view of an object. Identify the correct view, looking in the direction of arrow.

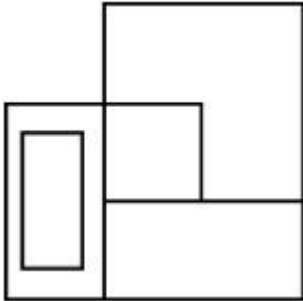


Options :

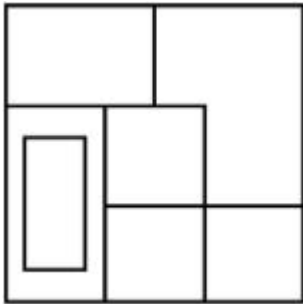
7155058335.



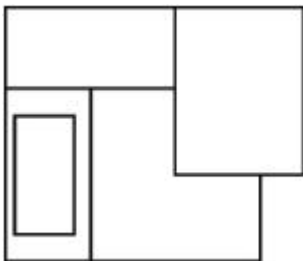
7155058336.



7155058337.



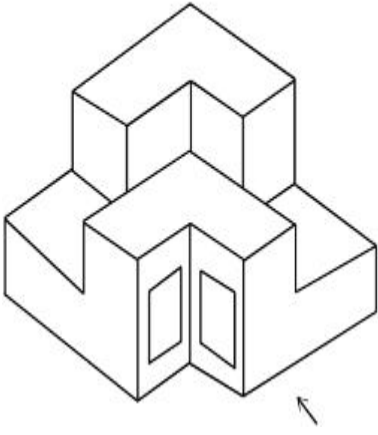
7155058338.



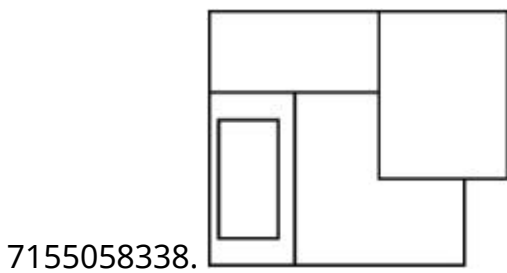
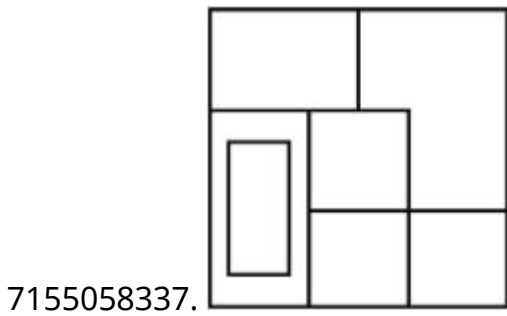
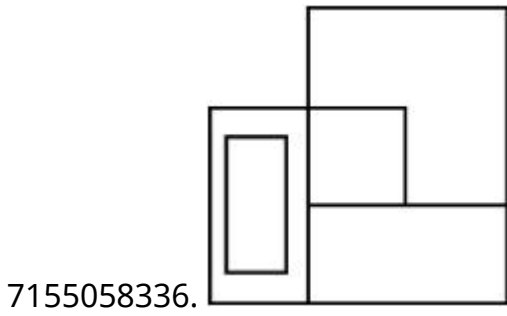
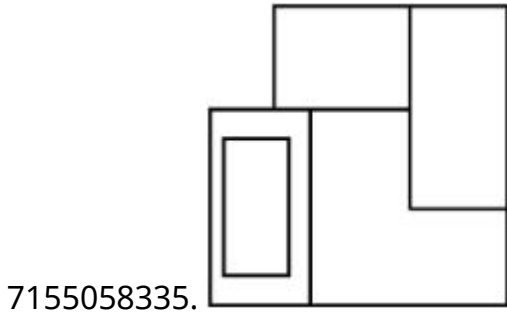
Question Number : 72 Question Id : 7155052640 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

প্রশ্ন চিত্রটোৱে এটা বস্তুৰ 3-D দৃশ্য দৰ্শায়। কাঁড় চিহ্নৰ দিশত বস্তুটোৰ শুদ্ধ দৃশ্যটো চিনাক্ত কৰা।



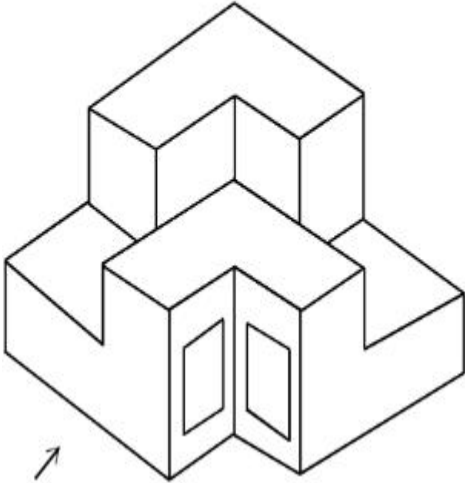
Options :



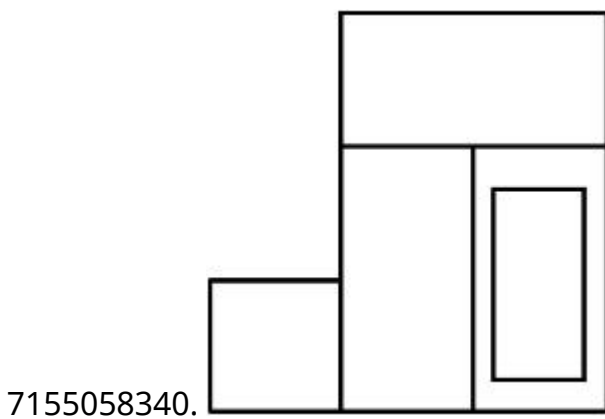
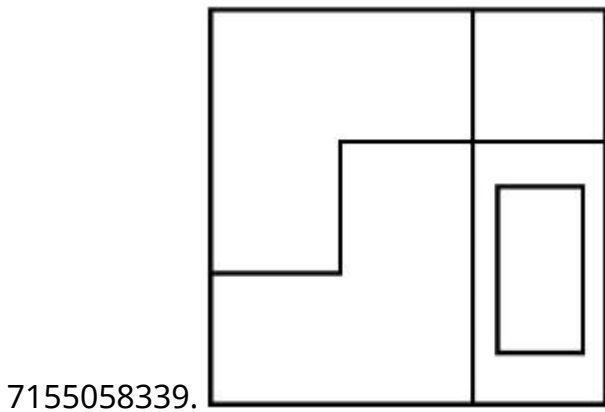
Question Number : 73 Question Id : 7155052641 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

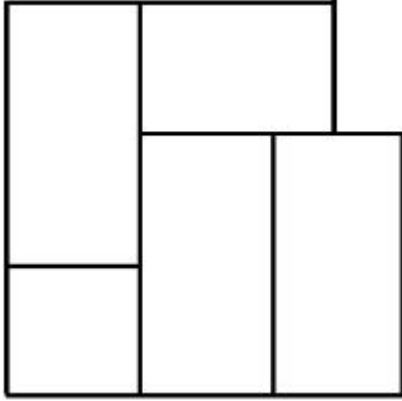
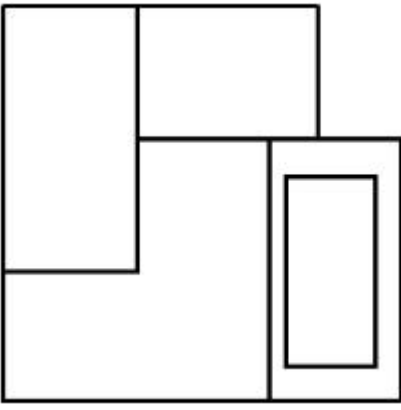
The question figure shows the 3-D view of an object. Identify the correct view, looking in the direction of arrow.



Options :



7155058341.

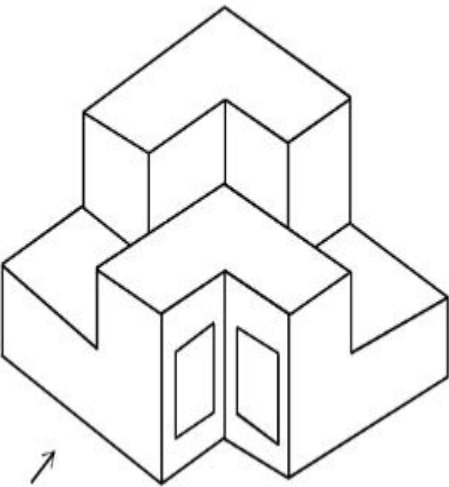


7155058342.

Question Number : 73 Question Id : 7155052641 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

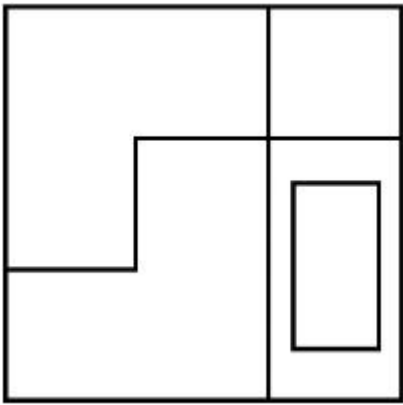
Correct Marks : 4 Wrong Marks : 1

প্রশ্ন চিত্রটোৱে এটা বস্তুৰ 3-D দৃশ্য দৰ্শায়। কাঁড় চিহ্নৰ দিশত বস্তুটোৰ শুদ্ধ দৃশ্যটো চিনাক্ত কৰা।

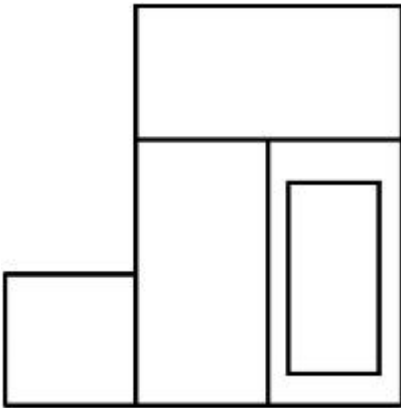


Options :

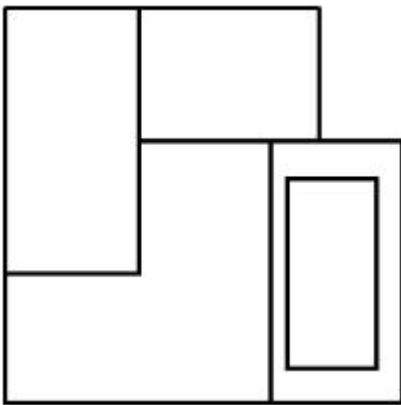
7155058339.



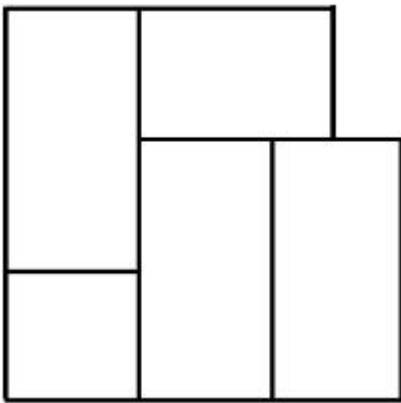
7155058340.



7155058341.



7155058342.

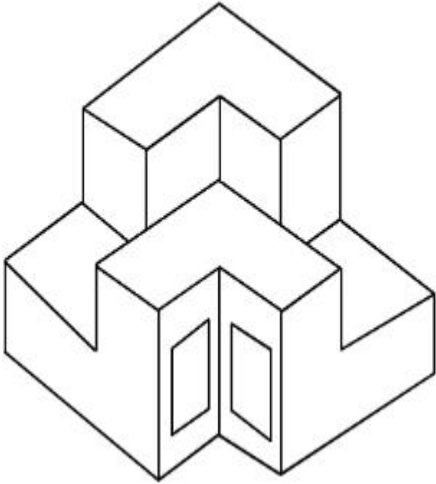


Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

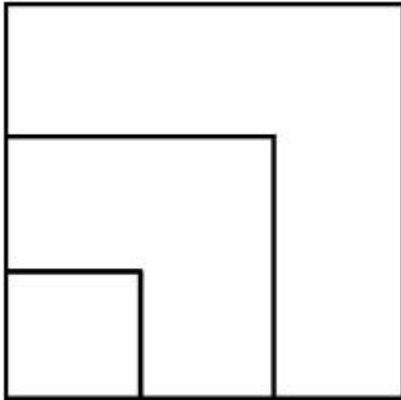
Correct Marks : 4 Wrong Marks : 1

From the given options below, choose the correct plan of the 3-D object, when viewed from the top.

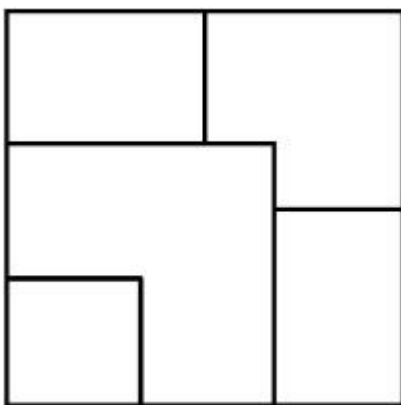


Options :

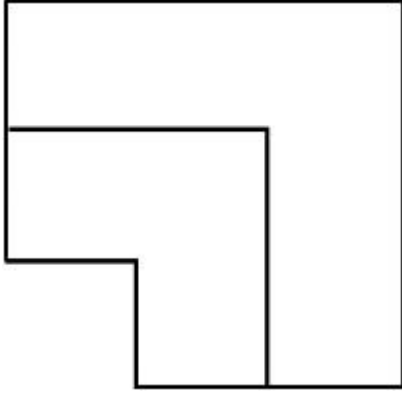
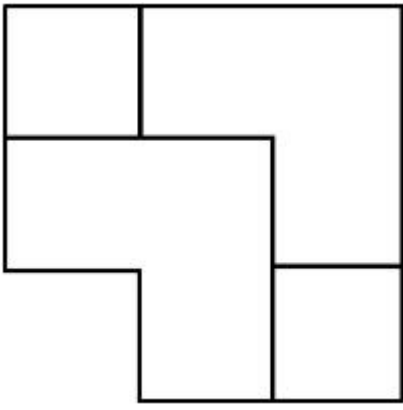
7155058343.



7155058344.



7155058345.

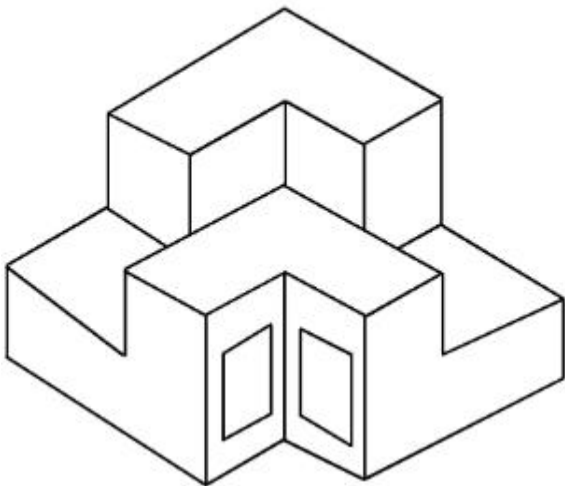


7155058346.

Question Number : 74 Question Id : 7155052642 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

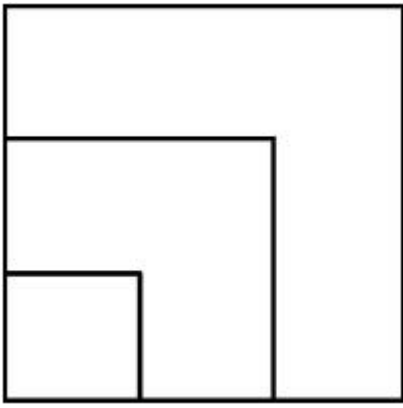
Correct Marks : 4 Wrong Marks : 1

নিম্নাংকিত 3-D দৃশ্যটো চাই বস্তুটোৰ শুদ্ধ উপৰিফালৰ দৃশ্যটো চিনাক্ত কৰা।

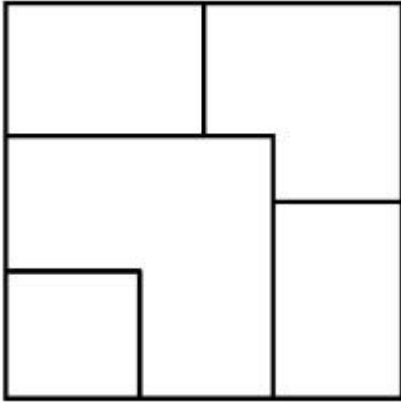


Options :

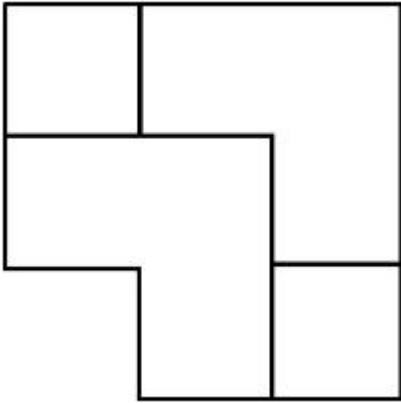
7155058343.



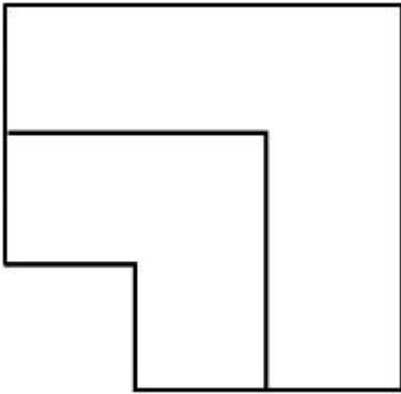
7155058344.



7155058345.



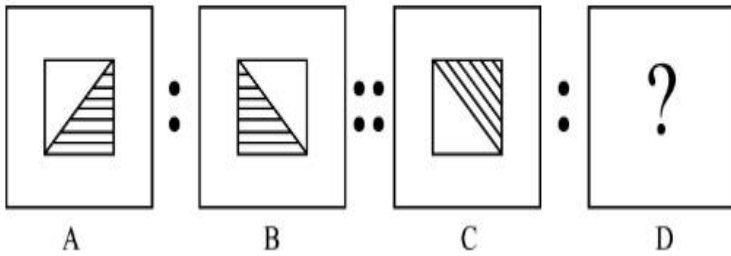
7155058346.



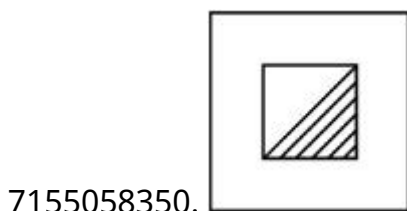
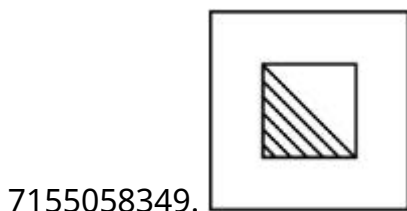
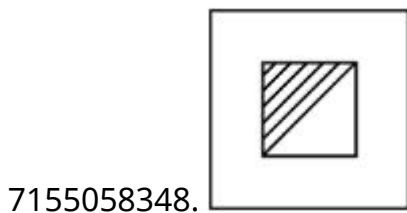
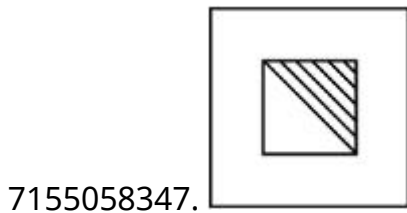
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The second figure in the first part of the problem figures bears certain relationship to the first figure. Similarly, one of the figures of answer figures bears the same relationship to the first figure of the second part. Identify the correct option from the given answer figures.



Options :



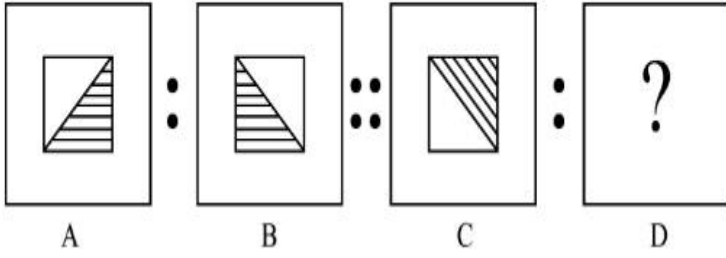
Question Number : 75 Question Id : 7155052643 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

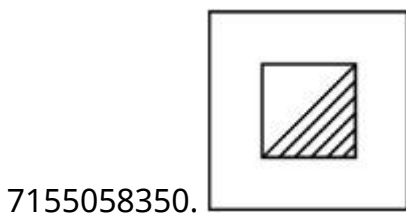
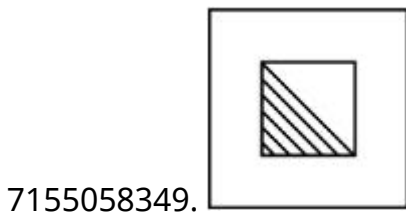
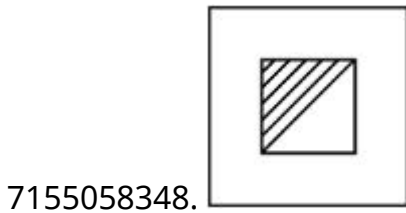
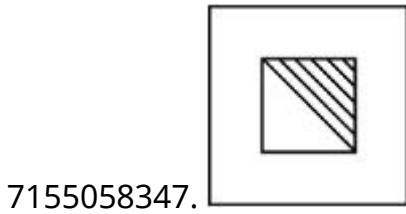
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

প্রশ্নচিত্রৰ প্ৰথম আৰু দ্বিতীয় চিত্ৰৰ মাজত সম্পৰ্ক এটা আছে। একে সম্পৰ্ক স্থাপন কৰিবলৈ তৃতীয় চিত্ৰৰ লগত কোনটো চিত্ৰ আহিব চিনাক্ত কৰা।



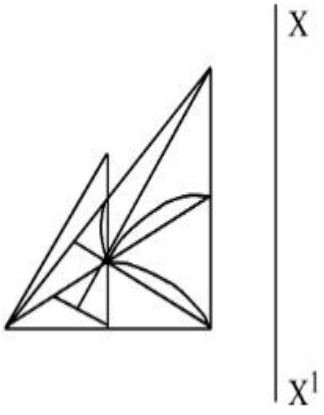
Options :



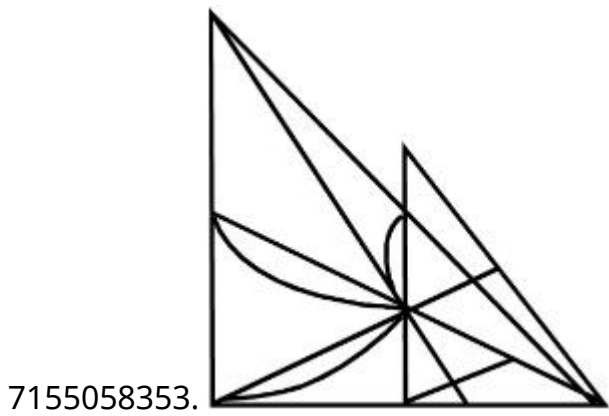
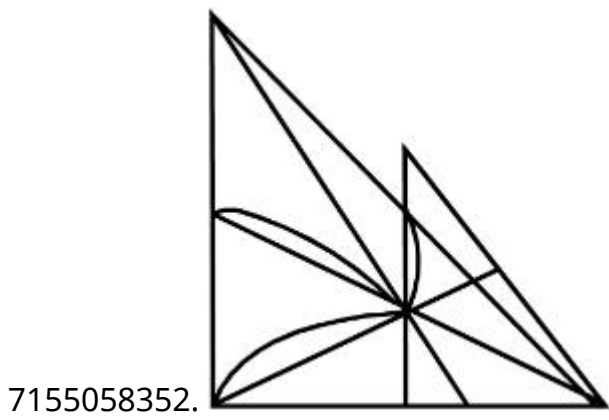
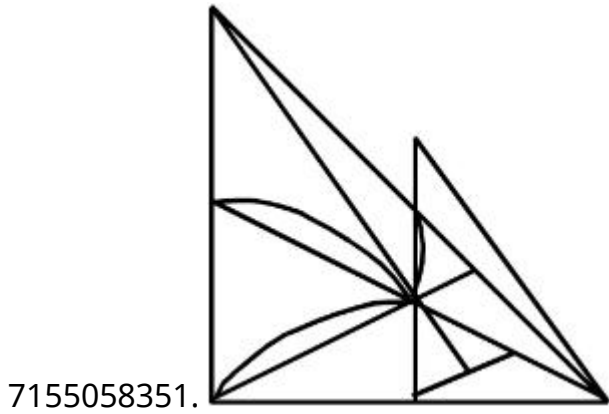
Question Number : 76 Question Id : 7155052644 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

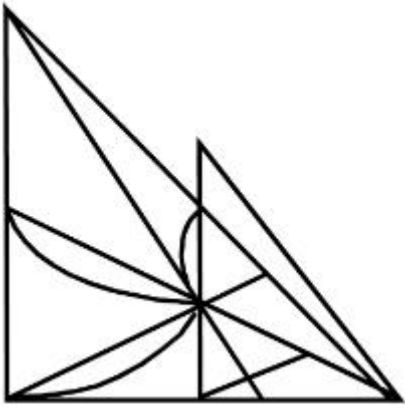
Identify the true mirror image of the figure amongst the answer figures with respect to X-X



Options :



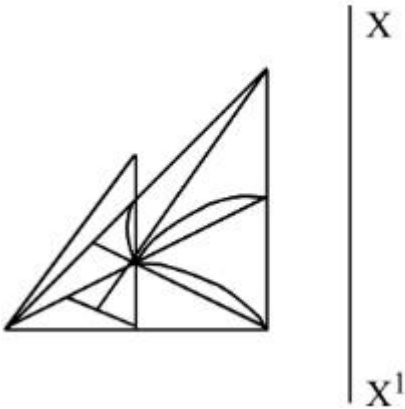
7155058354.



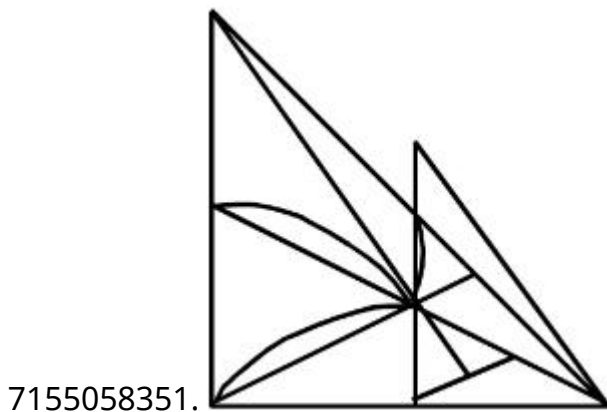
Question Number : 76 Question Id : 7155052644 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

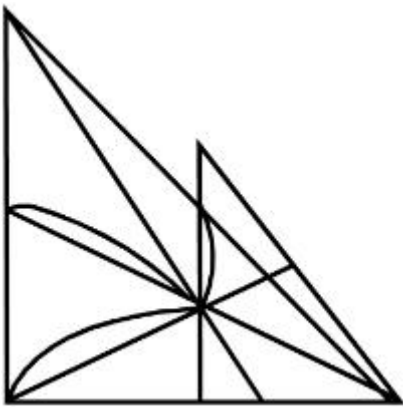
X-X বেখাৰ পৰিপ্ৰেক্ষিতত প্ৰশ্নটোৰ শুদ্ধ প্ৰতিবিন্দটো চিনাক্ত কৰা



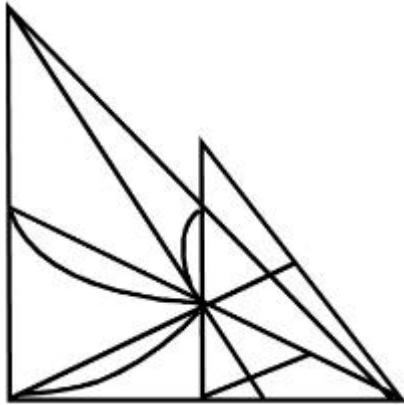
Options :



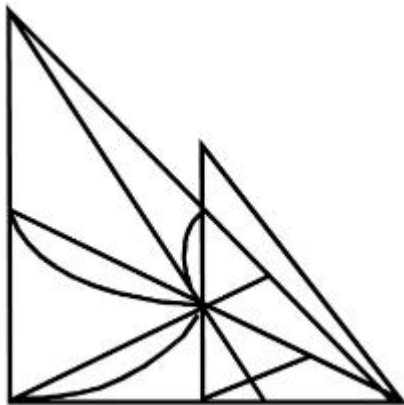
7155058352.



7155058353.



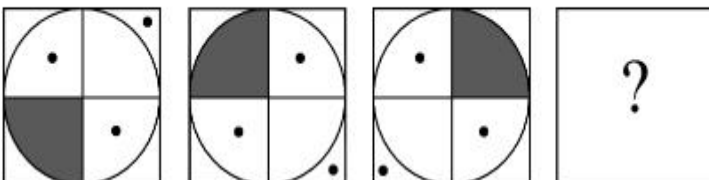
7155058354.



Question Number : 77 Question Id : 7155052645 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

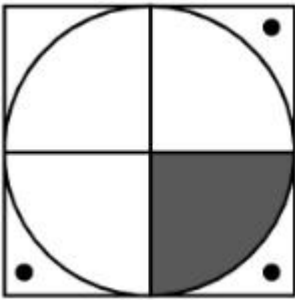
Correct Marks : 4 Wrong Marks : 1

Choose the correct option amongst the answer figures which complete the series.

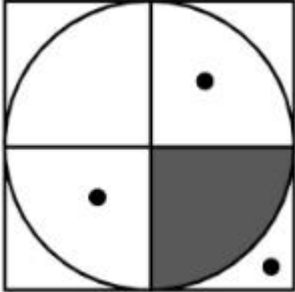


Options :

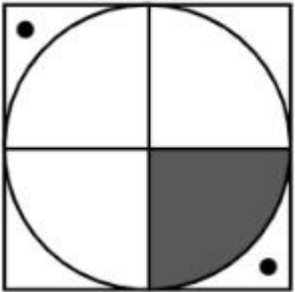
7155058355.



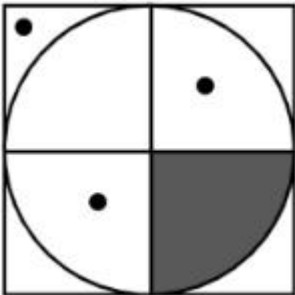
7155058356.



7155058357.



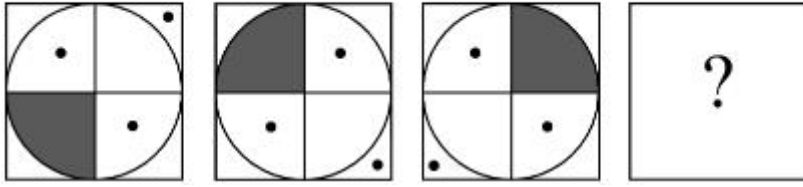
7155058358.



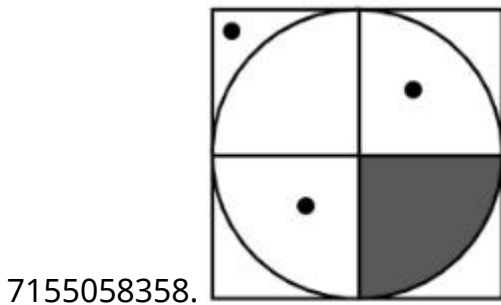
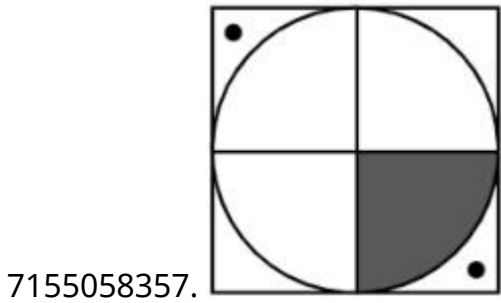
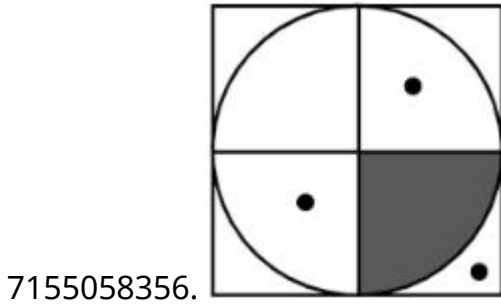
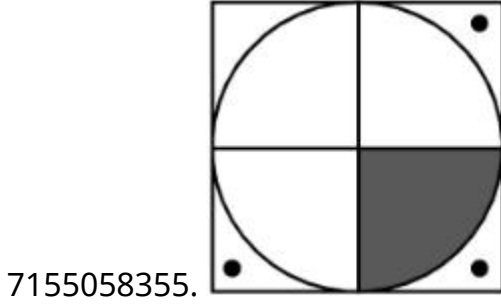
Question Number : 77 Question Id : 7155052645 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তলৰ ক্ৰমটো পূৰ্ণ কৰিবলৈ শুদ্ধ উত্তৰটো চিনাক্ত কৰা।



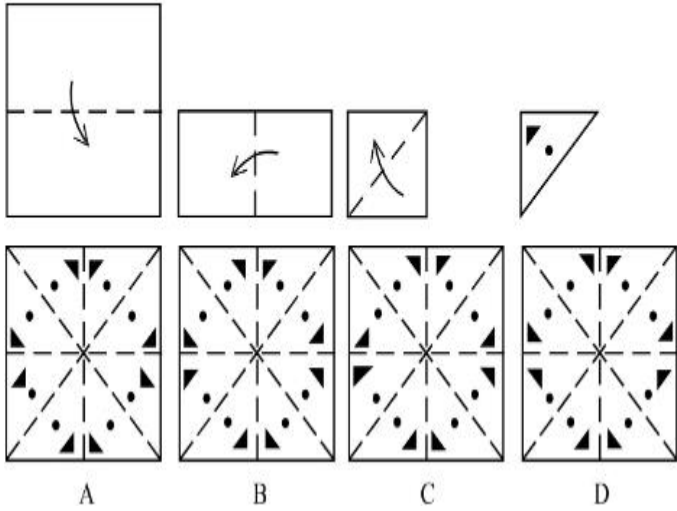
Options :



Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Sheet is folded in marked format and cut led at last as shown. Identify from the options below, how the pattern will be made when it's fully unfold?



Options :

7155058359. B

7155058360. A

7155058361. D

7155058362. C

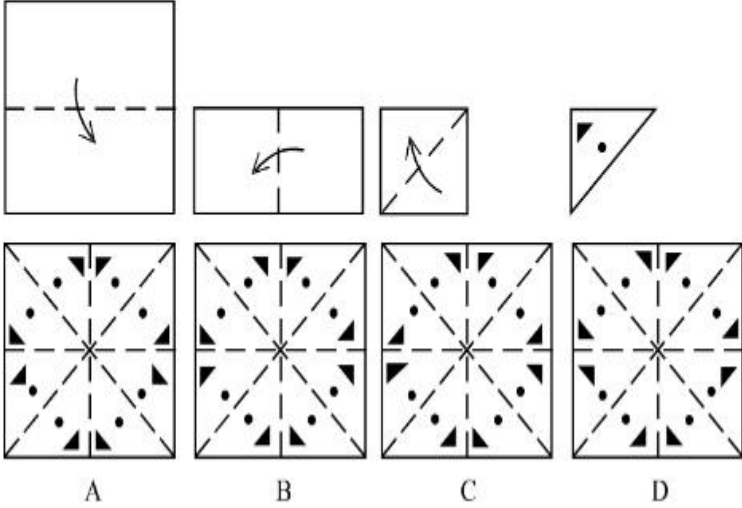
Question Number : 78 Question Id : 7155052646 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

এখিলা কাগজ তলত দিয়া ধৰণেৰে ভাঁজ কৰি শেষত কটা হৈছে। কাগজখন খোলাৰ পিছত কেনেকুৱা দোখাব চিনাক্ত কৰা ?



Options :

7155058359. B

7155058360. A

7155058361. D

7155058362. C

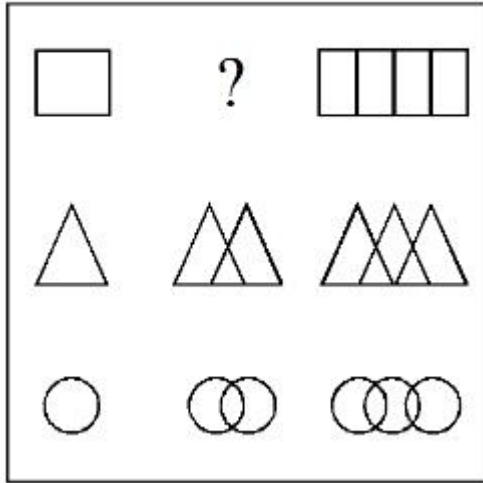
Question Number : 79 Question Id : 7155052647 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

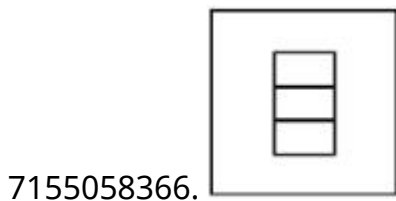
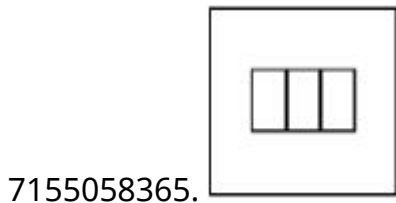
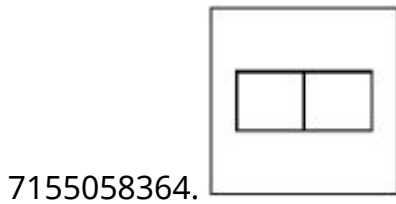
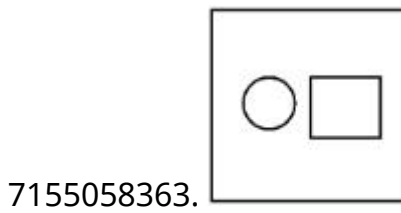
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In the figure mentioned below find the missing series:-



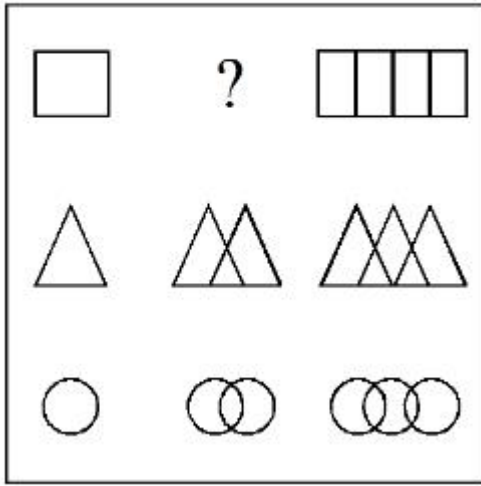
Options :



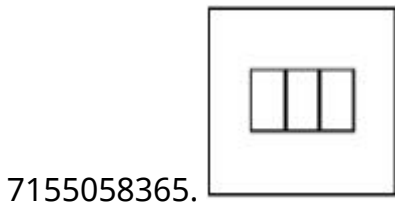
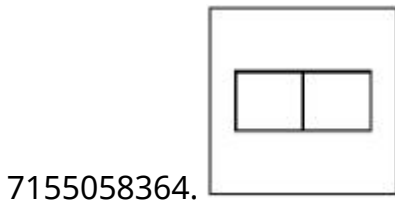
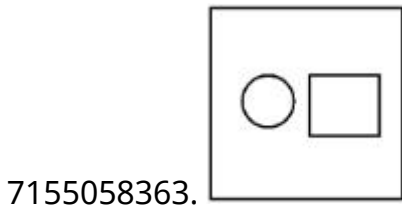
Question Number : 79 Question Id : 7155052647 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

উক্ত চিত্ৰটিৰ ক্ৰমত অনুপস্থিত চিত্ৰটো চিনাক্ত কৰাঃ

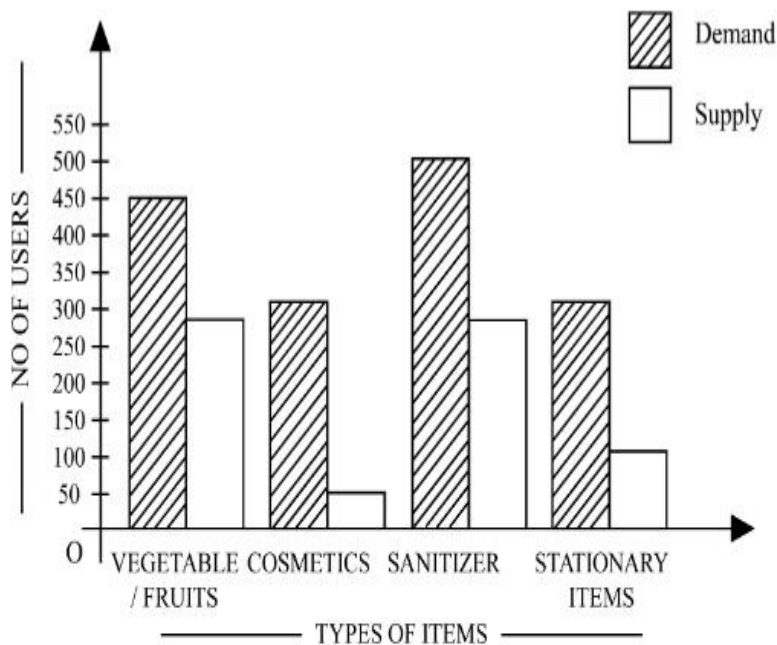


Options :



Question Number : 80 Question Id : 7155052648 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



The diagram shows the supply and demand of different users for different items. Which of the following is/are correct?

- A. Sanitizer only meet 50% of the demand
- B. Cosmetics has the least supply among all.
- C. Among all, two items have equal demand but difference in supply
- D. Among all, two items have equal supply and two items have equal demand.

Choose the correct answer from the options given below:-

Options :

7155058367. B and D only

7155058368. A and B only

7155058369. A and C only

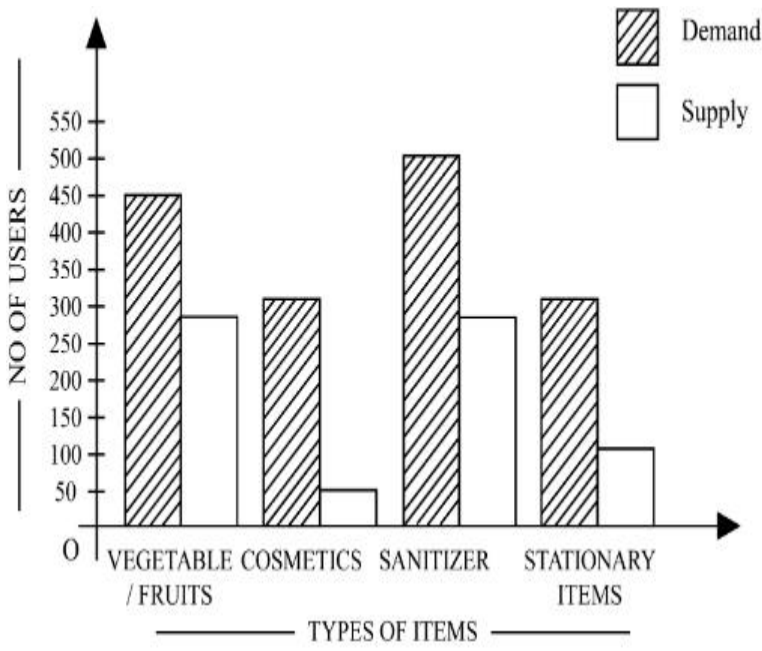
7155058370. B, C and D only

Question Number : 80 Question Id : 7155052648 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



উক্ত চিত্রটোৱে বিভিন্ন সামগ্ৰীৰ আৰু ভিন্ন ব্যৱহাৰকাৰীৰ দাবী আৰু যোগান দেখুৱাইছে। তলৰ কোনটো/বোৰ তথ্য শুদ্ধ?

- A. ছেনিটাইজাৰে কেৱল 50% দাবীহে পূৰ্ণ কৰে
- B. প্ৰসাধন সামগ্ৰীৰ যোগান সবাতোকৈ কম।
- C. সকলোৰে ভিতৰত দুটা সামগ্ৰীৰ সমান দাবী আছে কিন্তু যোগান ভিন্ন।
- D. সকলোৰে ভিতৰত দুটা সামগ্ৰীৰ সমান দাবী আৰু অন্য দুটা সামগ্ৰীৰ সমান যোগান আছে।

শুদ্ধ উত্তৰটো চিনাক্ত কৰা:

Options :

7155058367. কেৱল B আৰু D

7155058368. কেৱল A আৰু B

7155058369. কেৱল A আৰু C

7155058370. কেৱল B, C আৰু D

Drawing

Section Id :

715505162

Section Number :

4

Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	2
Number of Questions to be attempted :	2
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	715505162
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 81 Question Id : 7155052649 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 50

Draw a proportionate sketch of given reference image. Use black and white rendering techniques of your choice.



Question Number : 81 Question Id : 7155052649 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 50

প্রদত্ত ছবিখনৰ এক সমানুপাতিক ছবি অংকন কৰা। আপোনাৰ পছন্দৰ কলা-বগা যিকোনো প্ৰযুক্তি ব্যৱহাৰ কৰিব পাৰে।



Question Number : 82 Question Id : 7155052650 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 50

Use the basic 2D shapes found in a motor cycle and create an interesting 2D composition of your choice, colour with any three colours of your choice.

Question Number : 82 Question Id : 7155052650 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 50

মটৰ চাইকেলত থকা সাধাৰণ 2D আকৃতিৰ প্ৰয়োগ কৰি আপোনাৰ পছন্দৰ যিকোনো তিনিটা ৰং ব্যৱহাৰ কৰি এক আকৰ্ষণীয় 2D আকৃতিৰ সৃষ্টি কৰক।