

National Testing Agency

Question Paper Name :	B ARCH 28th Jan 2023 Shift 2
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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

R^2 তে সংজ্ঞায়িত R_1 ও R_2 সম্বন্ধ দুটি নিম্নরূপে সংজ্ঞায়িত

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

(a, b) R_2 (c, d) যদি $a + d \geq b + c$! হয়। তবে :

Options :

7155058081. R_1 একটি সংক্রমণ কিন্তু R_2 নয়

7155058082. R_2 একটি সংক্রমণ কিন্তু R_1 নয়

7155058083. R_1 ও R_2 উভয়েই সংক্রমণ

7155058084. R_1 ও R_2 এর কেউই সংক্রমণ নয়

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

ধরি α এবং β , $x^2 - 3x + 9 = 0$ এর সমাধান। তাহলে $\left(\frac{\beta^{30}}{(9\alpha)^{10}} + \frac{\alpha^{30}}{(9\beta)^{10}}\right)^2$ সমান ঃ

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

ধর $z = 2 + 5i$ । তাহলে $2z^3 + 21z^2 - 58z + 4$ এর পরমমান হল :

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 নীচের সহসমীকরণগুলির

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

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

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

অসংখ্য সমাধান থাকে তবে K^2 এর মান হল

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

ধর $\alpha, \beta \in \mathbb{R}$ । যদি $A = \begin{pmatrix} \alpha & 0 \\ 0 & \beta \end{pmatrix}$, $B = \begin{pmatrix} \alpha & 0 \\ 0 & \alpha \end{pmatrix}$, $I = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$ ম্যাট্রিক্সগুলি $(A*B)*2I = 20I$ কে সিদ্ধ করে,

যেখানে $*$ হল $A * B = A^2 + B^2$, তবে $|\alpha\beta|$ এর মান সমান :

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

$\frac{1}{1+1^2+1^4} + \frac{2}{1+2^2+2^4} + \frac{3}{1+3^2+3^4} + \dots$ শ্রেণিটির প্রথম এগারোটি পদের যোগফল হল :

Options :

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

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

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

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 ঃ

Options :

7155058105. e

7155058106. e^3

7155058107. e^6

7155058108. e⁹

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

ধরি $P(\alpha, \beta, \lambda)$, $Q(1, 2, 0)$ বিন্দুর প্রতিবিম্ব $\frac{x-5}{3} = \frac{y-12}{1} = \frac{z-10}{2}$ রেখার উপর, তবে $(PQ)^2$ এর মান

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

একটি বাক্সে 7 টি লাল এবং 9 টি সাদা বল আছে, বাক্সটি থেকে কতরকম ভাবে 8 টি বল নেওয়া যাবে যাতে প্রতিটি রঙের কমপক্ষে তিনটি করে বল থাকে :

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

ধরি $[t]$ হল গরিষ্ঠ পূর্ণসংখ্যার অপেক্ষক। যদি $\int_0^1 [1+x^2+x^4] dx = a$, ত্রী ঙ্গ, হয় তবে

$36a - 25a^2 + 8a^3 - a^4$ এর মান

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

ধরি $PL = 8$ একক এবং $QM = 2$ একক দুটি সমান্তরাল রেখাংশ যাতে PM এবং QL রেখাংশ দুটি R বিন্দুতে ছেদ করে। যদি PL ও QM P, Q, R বিন্দুগামী বৃত্তের স্পর্শক হয় তবে বৃত্তটির ব্যাসার্ধ হল;

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

ধর $\alpha \in \mathbb{N}$ । মনে কর PQR এমন একটি ত্রিভুজ যাহার P ও Q শীর্ষবিন্দুগুলি হল (2, 5) এবং (α , -11)। যদি R বিন্দুটি $l_1: 9x + 7y + \alpha = 0$ রেখার উপর ভ্রাম্যমান হয়, তবে PQR ত্রিভুজের ভরকেন্দ্রটি l_2 রেখার উপর থাকে। দেওয়া আছে যে l_2 রেখাটি l_1 এর সমান্তরাল এবং $\frac{20}{3\sqrt{130}}$ দূরত্বে থাকে। যদি l_2 হতে Q এর

দূরত্ব $\frac{k}{3\sqrt{130}}$ হয় তবে k এর মান হবে :

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

ধরি $A_i(x_i, y_i)$, $i = 1, 2, 3$ হল $x^2 + y^2 = 10$ বৃত্তের উপর এমন তিনটি বিন্দু যাদের মধ্যে A_1 প্রথমপাদে থাকে এবং A_2 বিন্দুর y -অক্ষের স্বাপেক্ষে প্রতিবিন্দু A_1 হয়। যদি A_2 এবং A_3 উভয় হতে A_1 এর দূরত্ব 2 হয়, তবে $\Delta A_1 A_2 A_3$ এর ক্ষেত্রফলের কুড়ি গুণ হল

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

7^{89} কে, 15 দ্বারা ভাগ করলে ভাগফল হল

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

ধর $y = \alpha x - \beta z + \gamma$ তলটি $(1, -1, 3)$ বিন্দুগামী এবং $2x + y + z = 1$ ও $3x - 2y + 2z = 0$ উভয়েরই লম্ব, তাহলে $\alpha + \beta + \gamma$ সমান :

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

ধর $\vec{a} = \hat{i} + 2\hat{j} + 3\hat{k}$, $\vec{b} = \hat{i} - \hat{j} + 2\hat{k}$, $\vec{c} = 2\hat{i} + \hat{j} - 4\hat{k}$ ধর \vec{r} এরূপ একটি ভেক্টর যার জন্য $\vec{r} \times \vec{a} = (\vec{b} + \vec{c}) \times \vec{a}$

এবং $\vec{r} \cdot (\vec{b} - \vec{c}) = 0$ হয়, তাহলে $\vec{r} \cdot (\hat{i} + \hat{j} - \hat{k})$ এর মান হল:

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

$1 + x + x^2 + \dots + x^{118}$ সমীকরণটির বীজগুলির মধ্য হতে যদুচ্ছভাবে পছন্দ করা একটি বীজ $x^7 = 1$ কে সিদ্ধ করার সম্ভাবনা হল :

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

ধর X সম্ভাবনাশ্রয়ী চলকটি একটি দ্বিপদ নিবেশন মেনে চলে যার প্যারামিটারগুলি হল n এবং p । যদি ঐ দ্বিপদ নিবেশনটির গড়মান 3 এবং ভেদমান 2 হয় তবে $P(X < \frac{n}{4})$ সমান ঃ

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

$$f(x) = \cos^{-1} \left(\frac{x^2 - 3x + 2}{x^2 + 2x - 1} \right)$$

অপেক্ষকটির সংজ্ঞার অঞ্চল হল :

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

নিম্নের কোন বিবৃতিটি একটি টোটলজি ?

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 Clear Response :	Yes
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

$y = x^2 + 1$ বক্রটি, $y + |x| = 3$ এবং $y = |x-1|$ বক্রদ্বারা সীমাবদ্ধ ক্ষেত্রকে $m : n$ অনুপাতে ভাগ করে, যেখানে m ও n পরস্পর মৌলিক। তবে $m+n$ এর মান হল _____ ।

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 ছাত্রের মধ্যে 30 টি একই ধরনের পেন বিতরণ করা হচ্ছে। যদি প্রতিটি ছাত্রই অন্তত একটি পেন পায় এবং কেবলমাত্র দুটি ছাত্র অন্তত দুটি পেন পায় তবে কতরকমভাবে ঐ পেনগুলি বিতরণ করা সম্ভব ?

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

ধর $(1+x^2-x^4)^{12} = \sum_{n=0}^{48} a_n x^n$ । তাহলে $a_0 + a_2 + a_4 + \dots + a_{44}$ সমান _____।

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

ধর S_n হল $7 + 10 + 16 + 25 + 37 + \dots$, শ্রেণীটির প্রথম n পদের যোগফল। তাহলে $S_{30} - S_{20}$ এর মান হবে _____।

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

ধর $[t]$ হল গরিষ্ঠ পূর্ণসংখ্যার অপেক্ষক। তাহলে $(-10, 10)$ অন্তরালে নিচের অপেক্ষকটি

$f(x) = [x+x^3] + |x-x^3| + \left|x + \frac{1}{2}\right|$ কতগুলি বিন্দুতে অবকলনযোগ্য হবে না ?

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

$\int \frac{dx}{(3x^2+5)\sqrt{10x^2+7}} = -\frac{1}{\sqrt{580}} \log_e |f(x)| + c$ যেখানে c একটি ধ্রুবক, তবে $f(0)$ এর মান হল

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

ধর $\sqrt{3}$ উৎকেন্দ্রতা বিশিষ্ট একটি পরাবৃত্তের নাভিবিন্দুগুলি হল $(1, 5)$ এবং $(1, -1)$ । ঐ পরাবৃত্তটির সমীকরণ $x^2 - 2y^2 + ax + by + c = 0$ । তবে $|a + b + c|$ সমান _____।

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 a such that the distance between the point $(2, 4, 3)$ and the plane $3x + y + az + 10 = 0$ 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

ধর α_1, α_2, a এর ভিন্ন ভিন্ন এমন দুইটি মান বাদের জন্য $(2, 4, 3)$ এবং $3x + y + az + 10 = 0$ এর দূরত্ব হয় $\sqrt{35}$ একক। তাহলে $(\alpha_1, \alpha_2, 0)$, $(\alpha_2, \alpha_1, 0)$ এবং $(\frac{164}{13}, 5, 0)$ শীর্ষবিন্দু বিশিষ্ট ত্রিভুজটির ক্ষেত্রফল (বর্গ এককে) হবে _____।

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 $\overrightarrow{OA} = -3\hat{i} + 7\hat{j} + 5\hat{k}$, $\overrightarrow{OB} = -5\hat{i} + 7\hat{j} - 3\hat{k}$ and $\overrightarrow{OC} = \hat{u}$ 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

ধর O হল মূলবিন্দু এবং $\overrightarrow{OA} = -3\hat{i} + 7\hat{j} + 5\hat{k}$, $\overrightarrow{OB} = -5\hat{i} + 7\hat{j} - 3\hat{k}$ এবং $\overrightarrow{OC} = \hat{u}$ হল একটি প্যারালেলোপিপেডের তিনটি বাহু যেখানে \hat{u} হল xy তলে একটি ভেক্টর। যদি ঐ প্যারালেলোপিপেডের সর্বোচ্চ আয়তন $2\sqrt{\alpha}$ হয়, তবে α এর মান _____।

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 $\frac{x+y-2}{x+y-1} \frac{dy}{dx} = \frac{x+y+2}{x+y+1}$, $x+y > 2$ অবকল সমীকরণের সমাধান বক্র $(\sqrt{2}, \sqrt{2})$ এবং $(2, \alpha)$

বিন্দুগামী হয়, তবে $2\alpha - \log_e \left(\frac{\alpha^2 + 4\alpha + 2}{6} \right)$ এর মান হল _____।

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

Adobe হল

Options :

7155058171. cement এর প্রকারভেদ

7155058172. floor finish এর প্রকারভেদ

7155058173. paint এর প্রকারভেদ

7155058174. Brick এর প্রকারভেদ

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

বিবৃতি I : স্বাধীন ভারতের প্রথম পরিকল্পিত শহর Chandigarh

বিবৃতি II : Chandigarh শহরের ছক করেছিলেন swiss french স্থপতি Le Corbusier

বিবৃতিগুলির আলোকে সবথেকে প্রযোজ্য উত্তর নীচের বিকল্প থেকে নির্বাচিত কর

Options :

7155058175. বিবৃতি I এবং বিবৃতি II উভয়ই সত্য

7155058176. বিবৃতি I এবং বিবৃতি II উভয়ই অসত্য

7155058177. বিবৃতি I সত্য কিন্তু বিবৃতি II অসত্য

7155058178. বিবৃতি I অসত্য কিন্তু বিবৃতি II সত্য

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

বিবৃতি I : কাঁচ তাপের স্বল্প পরিবাহী

বিবৃতি II : কাঁচ আলো শোষণ, প্রতিসরণ করতে পারে ও আলো তাপের মধ্য দিয়ে যেতে পারে

বিবৃতিগুলির ভিত্তিতে সঠিক বিকল্পটি বাছুন

Options :

7155058179. বিবৃতি I এবং বিবৃতি II উভয়ই সত্য

7155058180. বিবৃতি I এবং বিবৃতি II উভয়ই অসত্য

7155058181. বিবৃতি I সত্য কিন্তু বিবৃতি II অসত্য

7155058182. বিবৃতি I অসত্য কিন্তু বিবৃতি II সত্য

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 এবং তালিকা II মেলাও

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 YOJAN

নীচের বিকল্পগুলি থেকে সঠিক উত্তর বাছ :

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 ও II মেলাও

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

নীচের বিকল্পগুলি থেকে সঠিক উত্তর বাছ :

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

কোনটি পরিপূরক রঙ নয়

Options :

7155058191. নীল -কমলা

7155058192. লাল -সবুজ

7155058193. নীল- সবুজ

7155058194. বেগুনী -হলুদ

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

ভারতের কোন রাজ্যে Robbers গুহা অবস্থিত :

Options :

7155058195. হিমাচল প্রদেশ

7155058196. উত্তরাখন্ড

7155058197. উত্তর প্রদেশ

7155058198. মধ্য প্রদেশ

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

Petronas Tower কোথায় অবস্থিত:

Options :

7155058199. প্যারিস

7155058200. দুবাই

7155058201. কুয়ালা লামপুর

7155058202. নিউ ইয়র্ক

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

কোনারক মন্দির কোন রাজ্যে অবস্থিত

Options :

7155058203. मध्य प्रदेश

7155058204. ओडिशा

7155058205. कर्णटक

7155058206. राजस्थान

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

Lotus Temple এর স্থপति কে ?

Options :

7155058207. लुइस इ कान

7155058208. মোহসে সাফদি

7155058209. ফারিবরজ সাহবা

7155058210. রিচার্ড মেয়ার

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

স্বল্প ভার বহনের জন্য ভার তোলা কি নামে পরিচিত

Options :

7155058211. ডেড বিয়ারার

7155058212. ডাম্ব ওয়েটার

7155058213. জকি বয়

7155058214. পুশ আপার

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. Bhubaneshwar-Puri

7155058216. Puri-Cuttack

7155058217. Bhubaneshwar-Cuttack

7155058218. Bhubaneshwar-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

ଓଡ଼ିশାର জোড়া শহর বলে কাদের উল্লেখ হয়

Options :

7155058215. ভুবনেশ্বর -পুরি

7155058216. পুরি- কটক

7155058217. ভুবনেশ্বর -কটক

7155058218. ভুবনেশ্বর -রাউরকেলা

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

কোনটা মানব সভ্যতার সঠিক কালানুসার

Options :

7155058219. মেসোপটেমিয়া-হরপ্পা-ইজিপশিয়ান-চাইনিশ

7155058220. মেসোপটেমিয়া-ইজিপশিয়ান-হরপ্পা-চাইনিশ

7155058221. মেসোপটেমিয়া-চাইনিশ-হরপ্পা-ইজিপশিয়ান

7155058222. ইজিপশিয়ান-মেসোপটেমিয়া-হরপ্পা-সুমেরিয়ান

**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

Delhi তে Qutub-Minar বানিয়েছিলেন:

Options :

7155058223. শাহ জাহান

7155058224. জাহাঙ্গির

7155058225. আকবর

7155058226. কুতুব উদ-দিন আইবক

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 গোলার্ধের কোন অভিমুখে নরম (diffused) আলো সারা বছর দেখা যায়?

Options :

7155058227. উত্তর

7155058228. দক্ষিণ

7155058229. পূর্ব

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

Jaipur এ বিখ্যাত "Jawaharlal Kala Complex" এর স্থপতি কে ?

Options :

7155058231. Raj Rewal

7155058232. Charles Correa

7155058233. Achyut Kanvinde

7155058234. Hafeez Contractor

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

Dhajji-Dewari স্থপত্যশৈলী প্রধানত জনপ্রিয় হল _____।

Options :

7155058235. উপকূল অঞ্চল

7155058236. সমতল ভূমি

7155058237. পার্বত্য অঞ্চল

7155058238. মরুভূমি অঞ্চল

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

পাহাড়ি অঞ্চলের ছাদে কোন পাথর ব্যবহার হয়

Options :

7155058239. Marble

7155058240. Granite

7155058241. Shale

7155058242. Sand Stone

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

Chandigarh কোন ধরনের শহর পরিকল্পনার উদাহরণ

Options :

7155058243. রেডিও সেন্ট্রিক

7155058244. গ্রিড-আয়রন

7155058245. লিনিয়ার

7155058246. অর্গ্যানিক

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

Goa এর সমুদ্রতটে নির্মাণ করতে হলে কোন ঘর থেকে ভালো সমুদ্র দর্শন হবে ?

Options :

7155058247. যেগুলি উত্তরমুখী

7155058248. যেগুলি দক্ষিণমুখী

7155058249. যেগুলি পূর্বমুখী

7155058250. যেগুলি পশ্চিমমুখী

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" National Institute of Fashion Technology, Delhi কে পরিকল্পনা করেছিলেন

Options :

7155058251. B.V Doshi

7155058252. C.P Kukreja





7155058253. Raj Rewal

7155058254. Bimal Patel

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 ও তালিকা II মেলাও

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

নীচের বিকল্পগুলি থেকে সঠিক উত্তর বাছ:

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 ও তালিকা II মেলাও

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

নীচের বিকল্পগুলি থেকে সঠিক উত্তর বাছ :

Options :

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

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

বিবৃতি I : লাল, নীল ও হলুদ রঙ চক্রের প্রাথমিক রঙ

বিবৃতি II : যে সব রঙ একে অপরের বিপরীতে অবস্থিত হল একটি রঙ চক্র যা পরিপূরক রঙ হিসেবে পরিচিত

উপরোক্ত বিবৃতিগুলির আলোকে, নীচে দেওয়া বিকল্পগুলি থেকে সঠিক উত্তর বাছ

Options :

7155058263. বিবৃতি I এবং বিবৃতি II উভয়ই সত্য

7155058264. বিবৃতি I এবং বিবৃতি II উভয়ই অসত্য

7155058265. বিবৃতি I সত্য কিন্তু বিবৃতি II অসত্য

7155058266. বিবৃতি I অসত্য কিন্তু বিবৃতি II সত্য

Question Number : 55 Question Id : 7155052623 Question Type : MCQ Option Shuffling : Yes Is

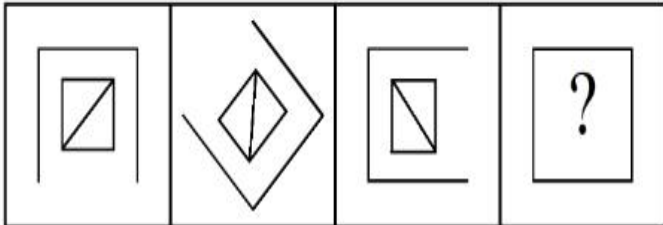
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

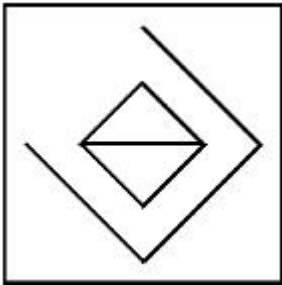
Correct Marks : 4 Wrong Marks : 1

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

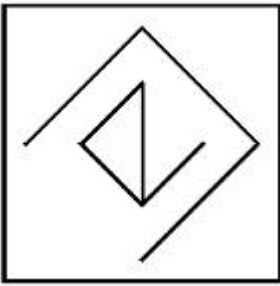


Options :

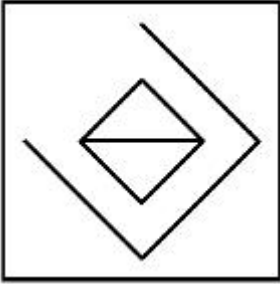


7155058267.

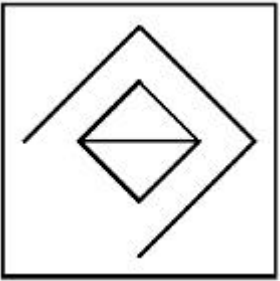
7155058268.



7155058269.



7155058270.

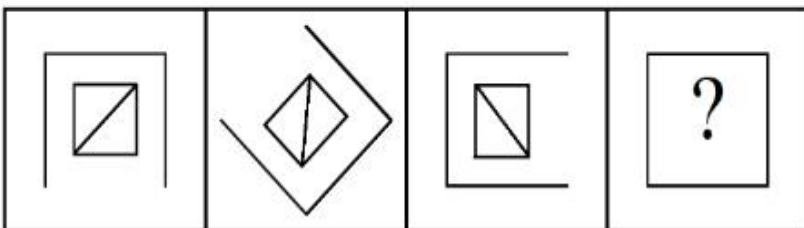


Question Number : 55 Question Id : 7155052623 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

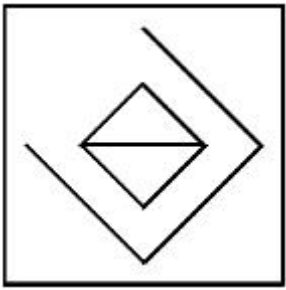
উত্তরের ছবির মধ্যে থেকে সঠিক বিকল্পটি বাছ যাতে প্রশ্নের শ্রেণীটি সম্পূর্ণ হয়

PROBLEM FIGURES

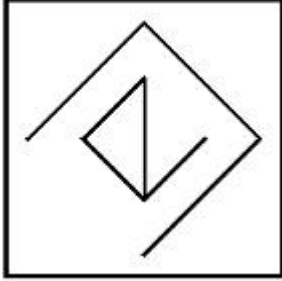


Options :

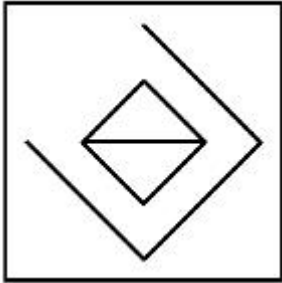
7155058267.



7155058268.



7155058269.

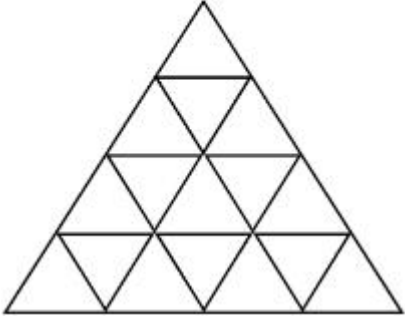


7155058270.



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

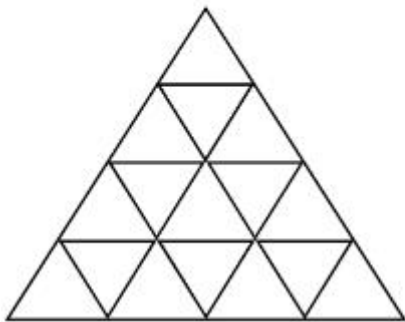
Question Number : 56 Question Id : 7155052624 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ছবিটিতে কতগুলি ত্রিভুজ আছে:-



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

বেঠিকটি বের কর:-

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

15 তলার একটি বসত বাড়ির নীচতলা 4.2 মিটার। অবশিষ্ট সব তলা 3.3 মিটার উঁচু। বাড়িটির উচ্চতা কত?

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

দেওয়া শব্দের দর্পণ প্রতিবিম্বটি বের কর:-

SUCCESS

Options :

7155058283. 22ECC22

7155058284. 22ECC22

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

একটি ম্যাপের স্কেল 1:1000। 'A' থেকে 'B' বিন্দুতে একটি গাড়ি 7 cm গেলে, আসলে গাড়িটি কত গেছে:-

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

80 meter \times 40 meter একটি জমির উপর একটি বাড়ীর ছবি একটি পাতায় 1:100 স্কেলে আঁকা হল। তবে পেপার থেকে জমিতে কোন মান আঁকা হল?

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

শ্রেণীতে অনুপস্থিত সংখ্যাটি বের কর

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

সাংকেতিক ভাষায় ROMAN হল TQOCP: তবে ITALY হল.....

Options :

7155058299. KVCMA

7155058300. KWCNB

7155058301. KUCLA

7155058302. KVCNA

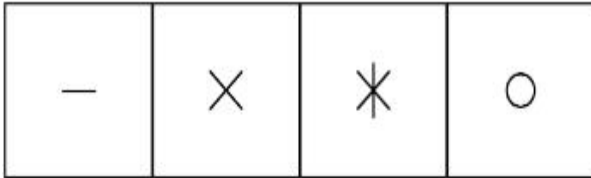
Question Number : 64 Question Id : 7155052632 Question Type : MCQ Option Shuffling : Yes Is

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

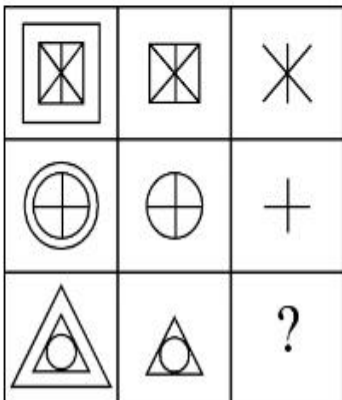
Instruction Time : 0

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

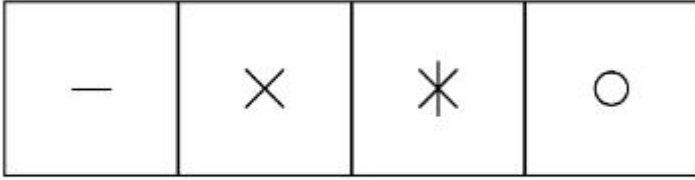
Question Number : 64 Question Id : 7155052632 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

খালি স্থানে ছবির কোন বিকল্পটি আসবে

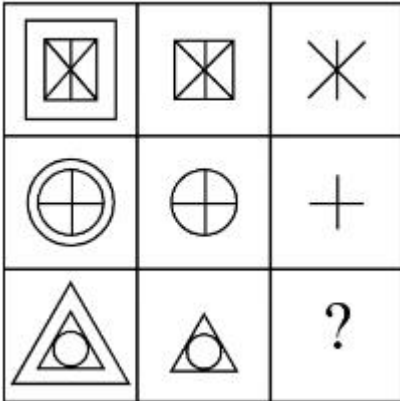


(A)

(B)

(C)

(D)



Options :

7155058303. D

7155058304. C

7155058305. B

7155058306. A

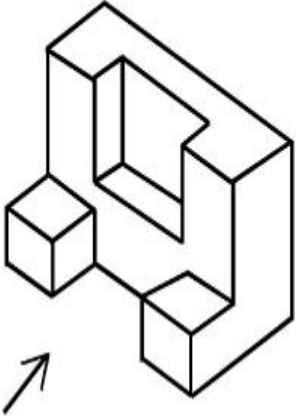
Question Number : 65 Question Id : 7155052633 Question Type : MCQ Option Shuffling : Yes Is

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

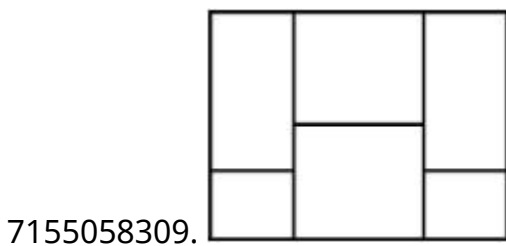
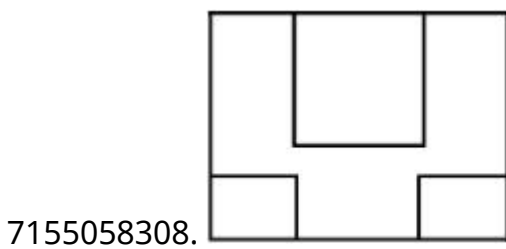
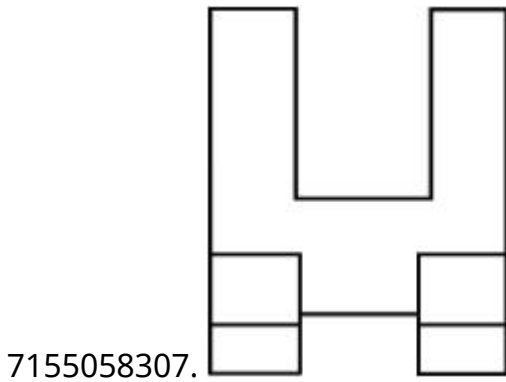
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

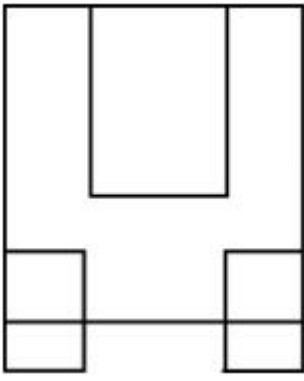
The 3D figure shows the view of an object. Looking in the direction of arrow, identify the most appropriate elevation from the given answer figures.



Options :



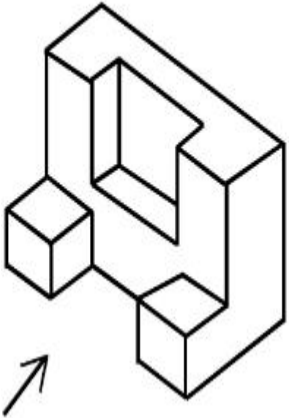
7155058310.



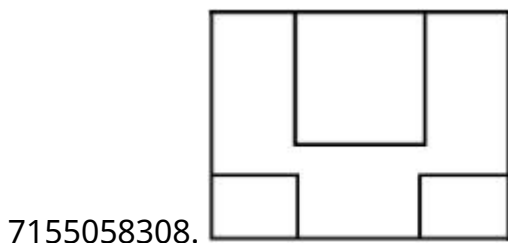
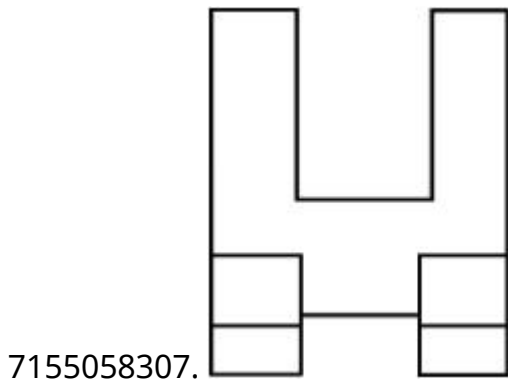
Question Number : 65 Question Id : 7155052633 Question Type : MCQ Option Shuffling : Yes Is
 Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
 Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

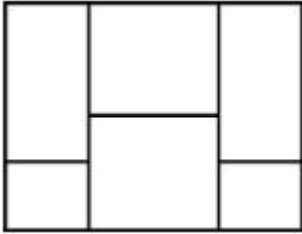
একটি বস্তুর ত্রিমাত্রিক রূপটি দেওয়া আছে। তীরের দিক থেকে কোনটি সবথেকে প্রযোজ্য উচ্চতা



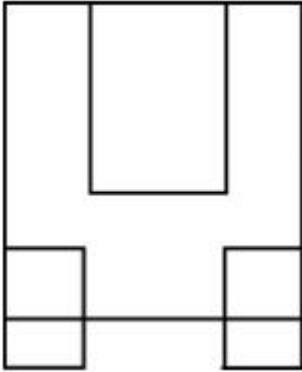
Options :



7155058309.



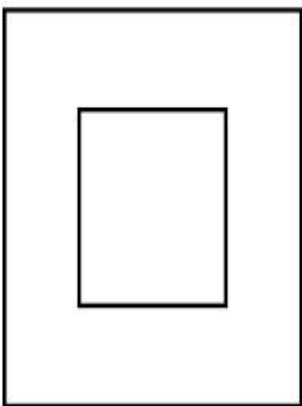
7155058310.



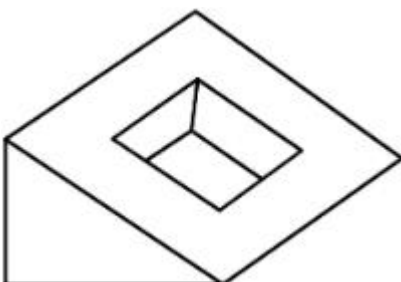
Question Number : 66 Question Id : 7155052634 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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.

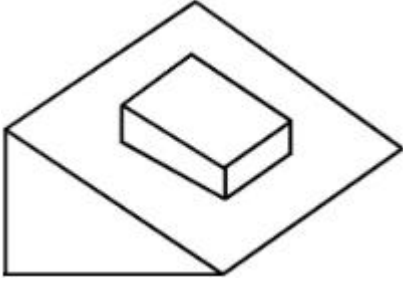


Options :



7155058311.

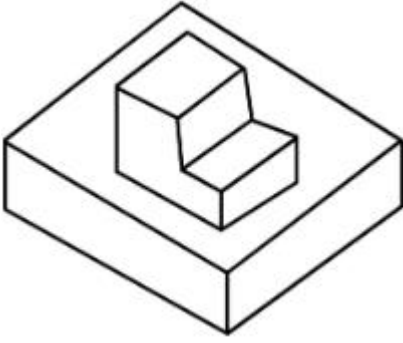
7155058312.



7155058313.



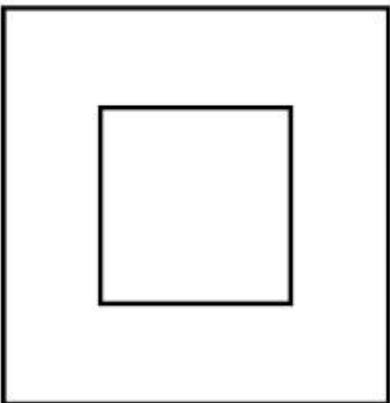
7155058314.



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

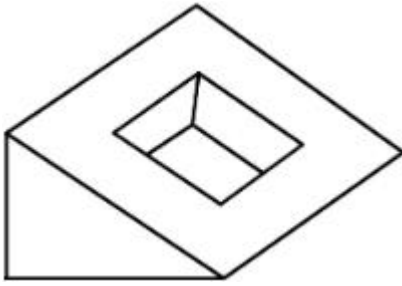
Correct Marks : 4 Wrong Marks : 1

প্রশ্নে একটি বস্তুর উপরি রূপটি দেওয়া আছে। বৈঠিক 3D রূপটি বের কর।

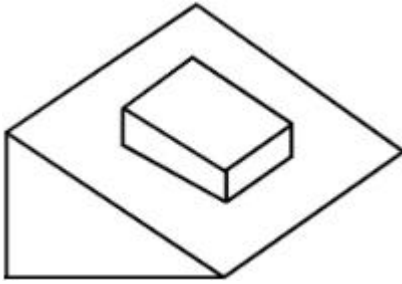


Options :

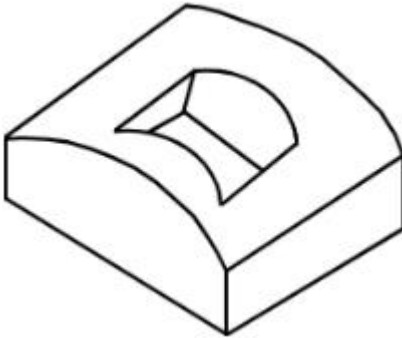
7155058311.



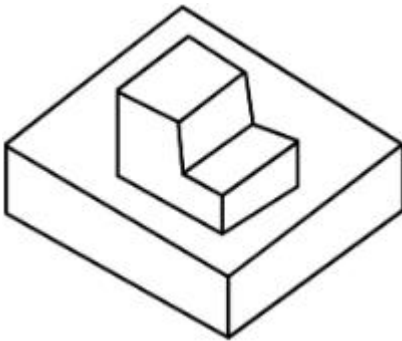
7155058312.



7155058313.



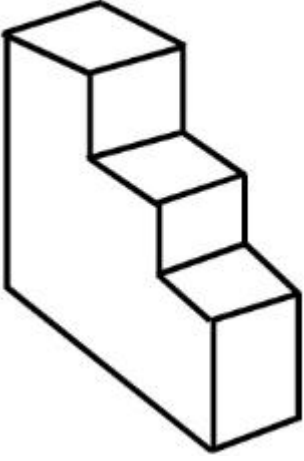
7155058314.



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

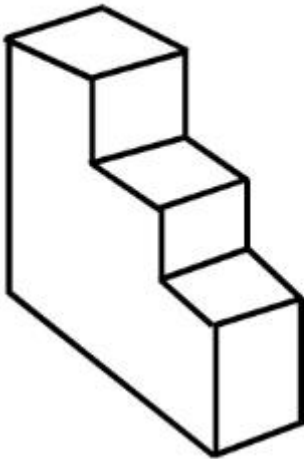
Question Number : 67 Question Id : 7155052635 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

বস্তুটির কটি তল আছে ?



Options :

7155058315. 9

7155058316. 10

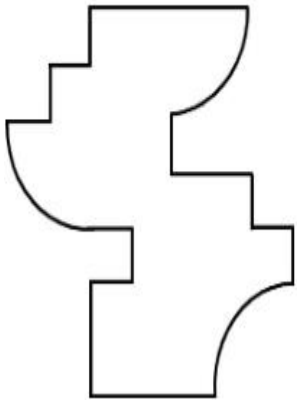
7155058317. 8

7155058318. 11

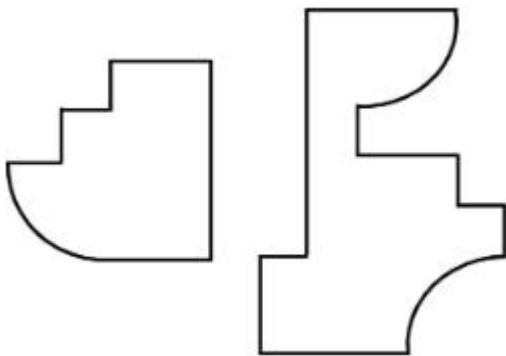
Question Number : 68 Question Id : 7155052636 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

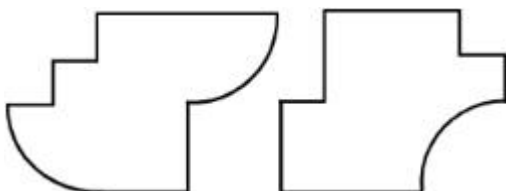
If the question figure is cut into two parts, which of the answer figures complete the question figure without any overlappings?



Options :

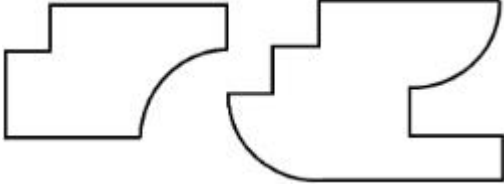


7155058319.

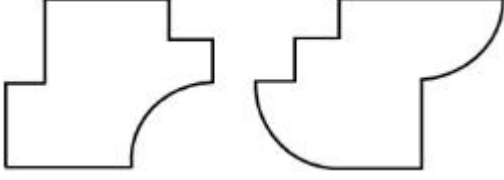


7155058320.

7155058321.



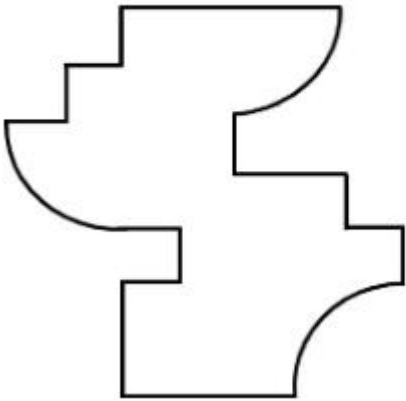
7155058322.



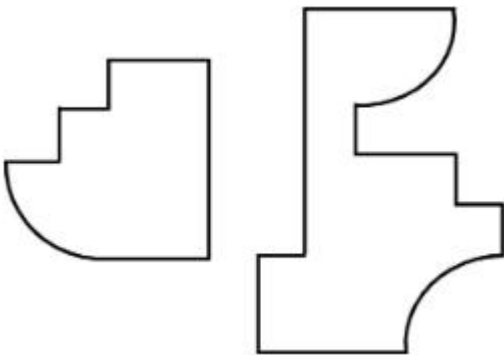
Question Number : 68 Question Id : 7155052636 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

প্রশ্নের ছবিটিকে দুভাগে ভাগ করলে উত্তরের কোন ছবিটি ঠিক হবে?

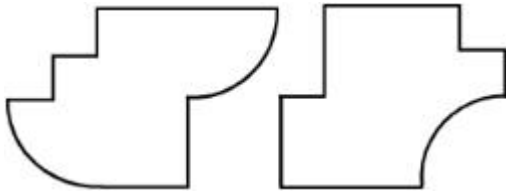


Options :

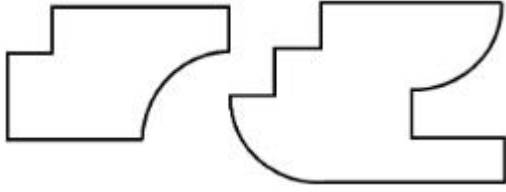


7155058319.

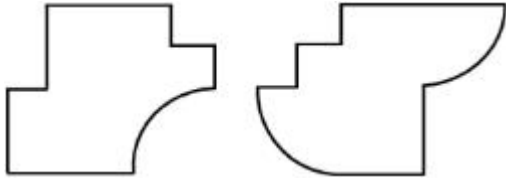
7155058320.



7155058321.



7155058322.



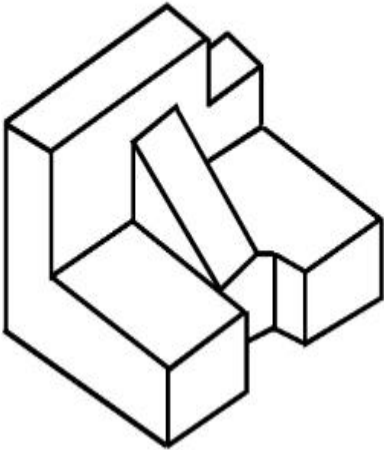
Question Number : 69 Question Id : 7155052637 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

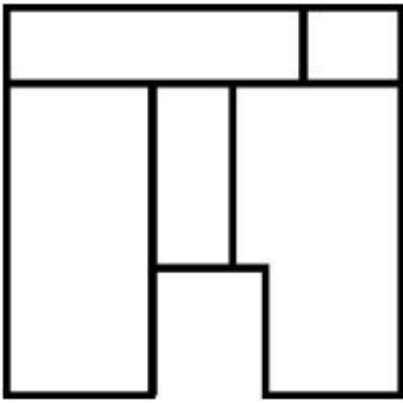
Correct Marks : 4 Wrong Marks : 1

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

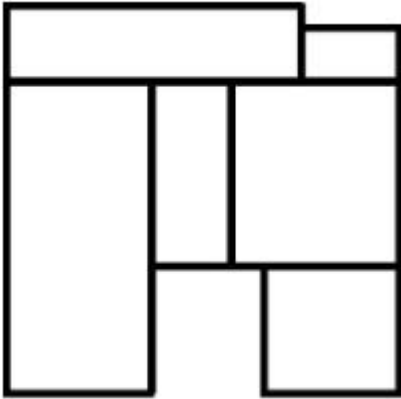


Options :

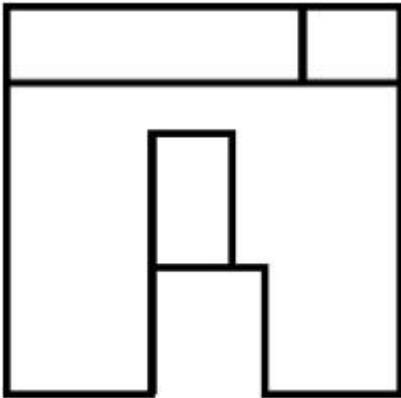
7155058323.



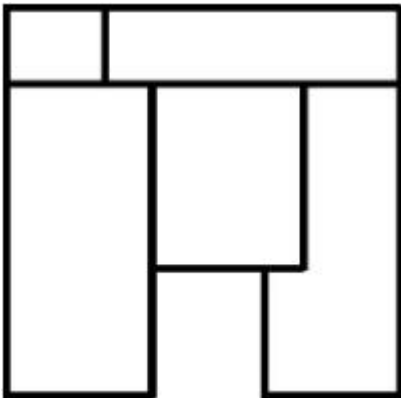
7155058324.



7155058325.



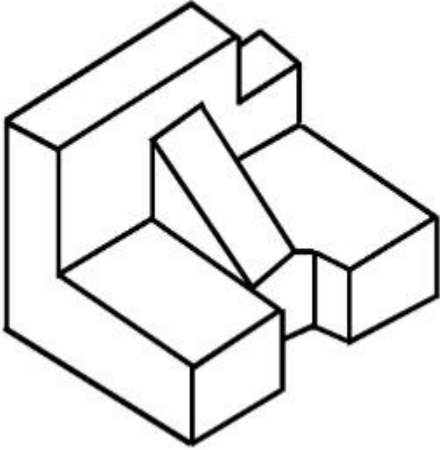
7155058326.



Instruction Time : 0

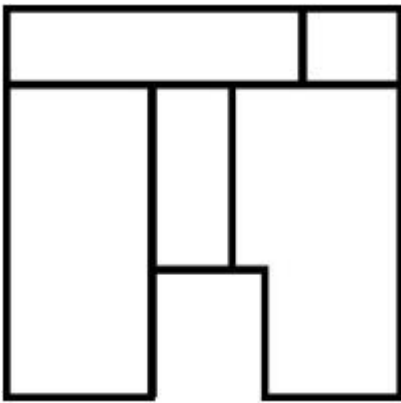
Correct Marks : 4 Wrong Marks : 1

প্রশ্নে একটি বস্তুর ত্রিমাত্রিক রূপ দেওয়া আছে। এর সঠিক উপরি রূপটি বার কর।

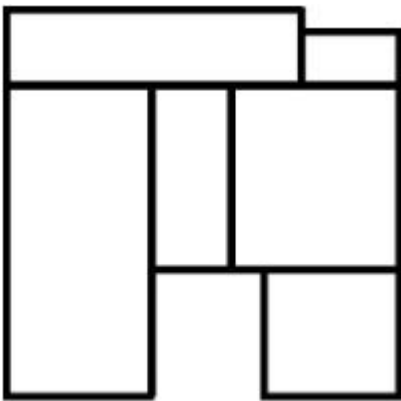


Options :

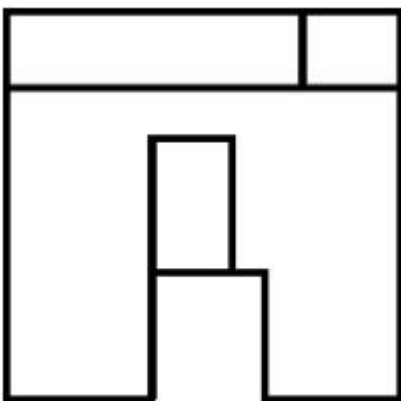
7155058323.



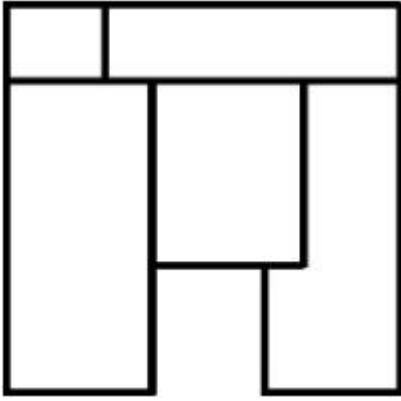
7155058324.



7155058325.



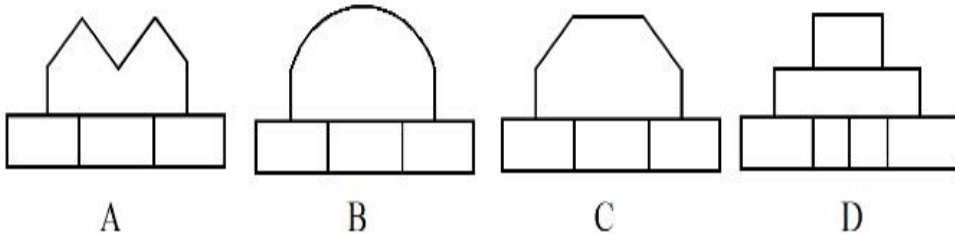
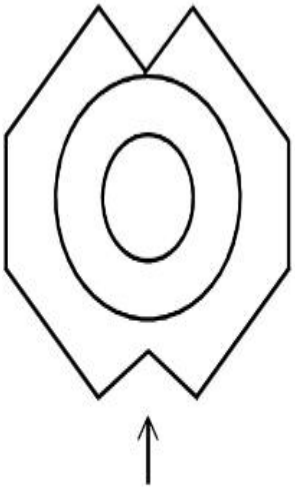
7155058326.



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.



Options :

7155058327. D

7155058328. A

7155058329. B

7155058330. C

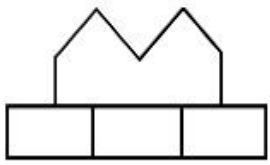
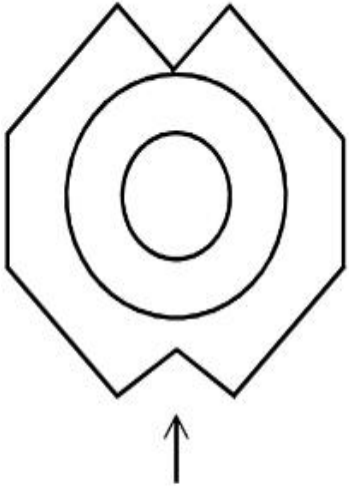
Question Number : 70 Question Id : 7155052638 Question Type : MCQ Option Shuffling : Yes Is

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

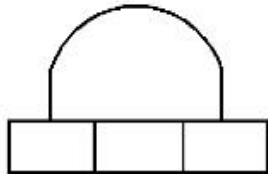
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

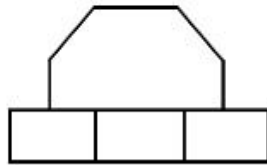
চিহ্নিত তীর চিহ্নের দিক থেকে বস্তুটির প্ল্যানের দেখলে সঠিক রূপটি কি হবে।



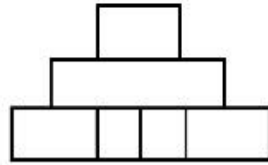
A



B



C



D

Options :

7155058327. D

7155058328. A

7155058329. B

7155058330. C

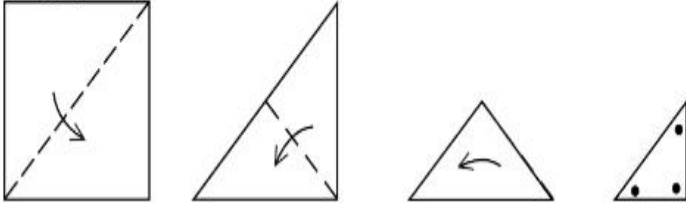
Question Number : 71 Question Id : 7155052639 Question Type : MCQ Option Shuffling : Yes Is

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

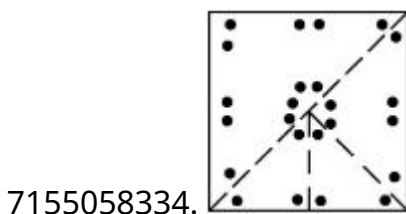
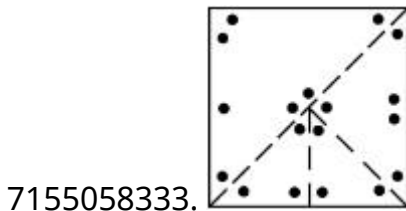
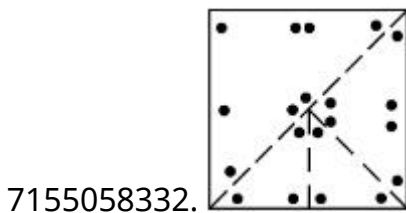
Instruction Time : 0

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 :



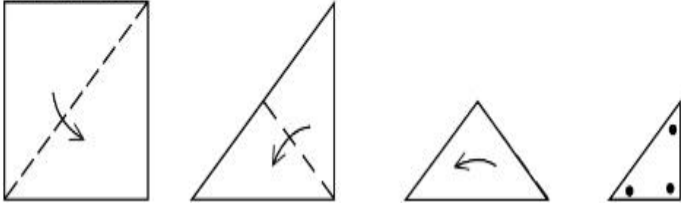
Question Number : 71 Question Id : 7155052639 Question Type : MCQ Option Shuffling : Yes Is

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

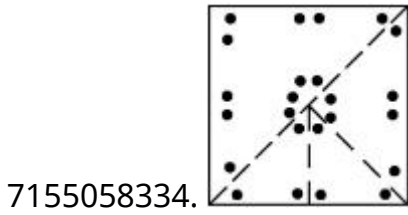
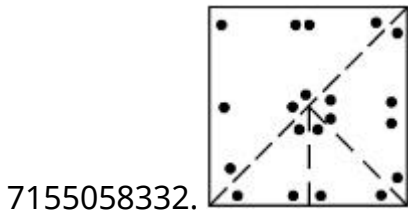
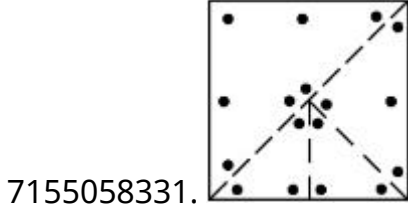
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

দেওয়া ছকে একটি পেপার ভাঁজ করা হল এবং শেষে কাটা হল। কাগজটি খোলা হলে কোন ছকটি পাওয়া যাবে



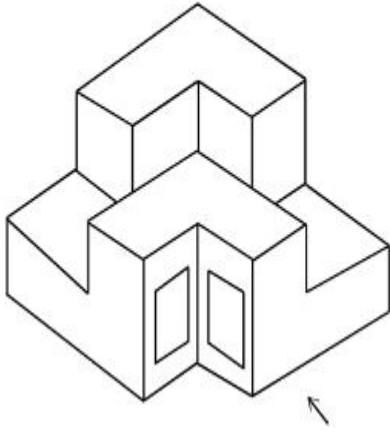
Options :



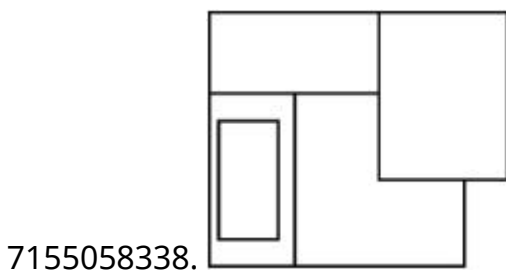
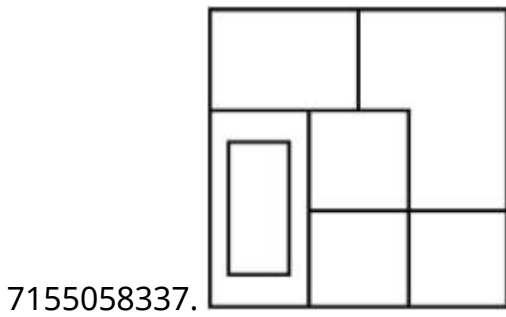
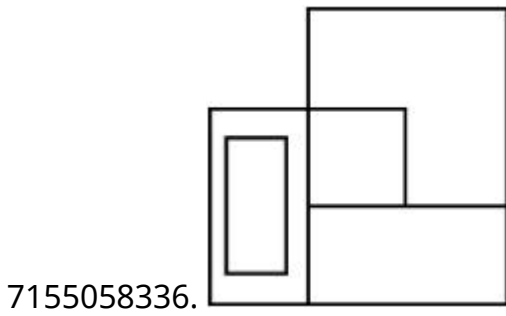
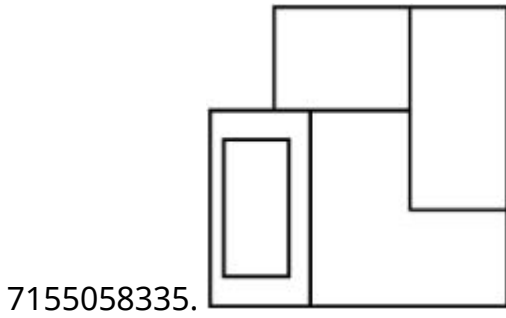
Question Number : 72 Question Id : 7155052640 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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.



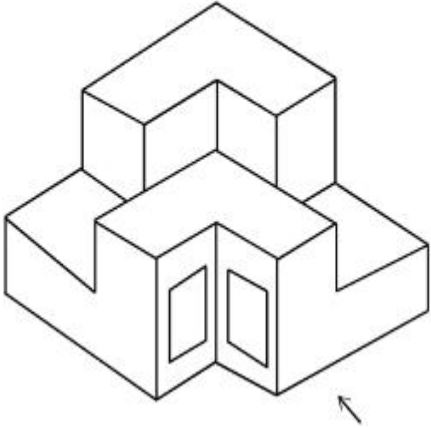
Options :



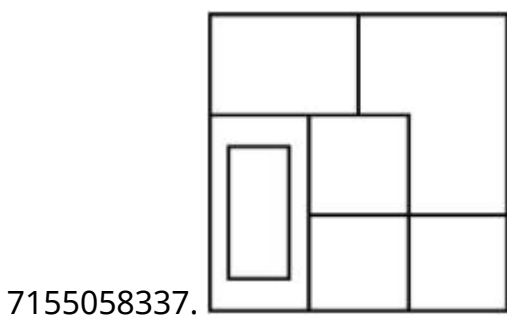
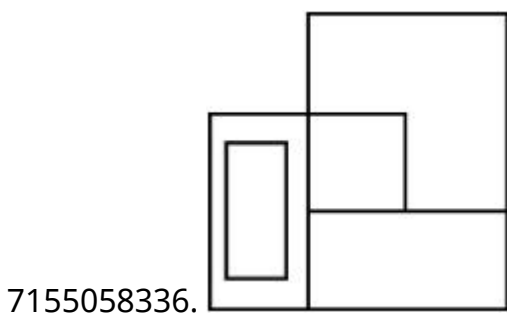
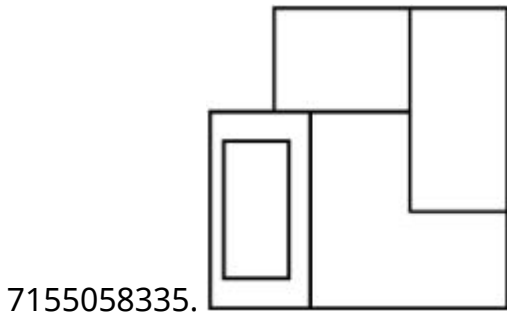
Question Number : 72 Question Id : 7155052640 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

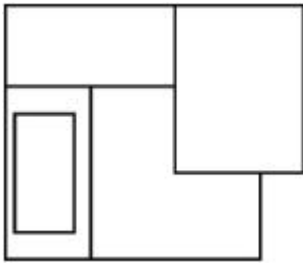
প্রশ্নে একটি বস্তুর ত্রিমাত্রিক রূপ দেওয়া আছে। তীরের দিকে সঠিক রূপটি বের কর।



Options :



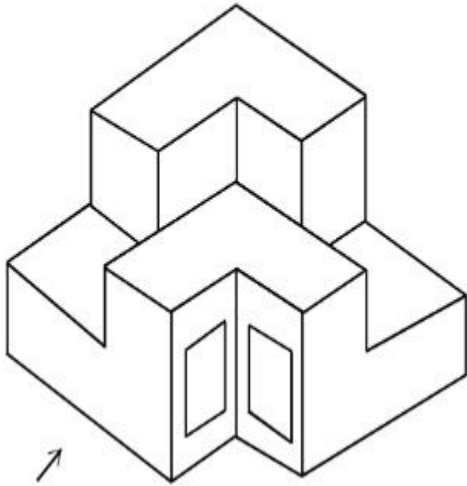
7155058338.



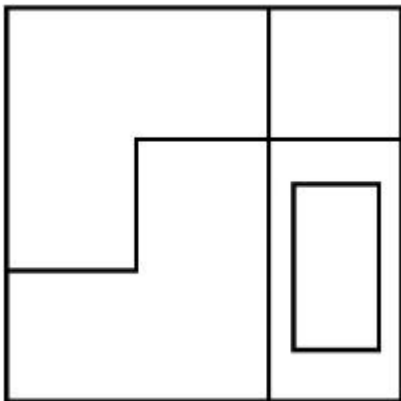
Question Number : 73 Question Id : 7155052641 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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.

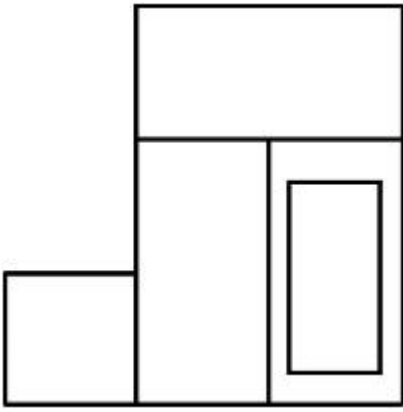


Options :

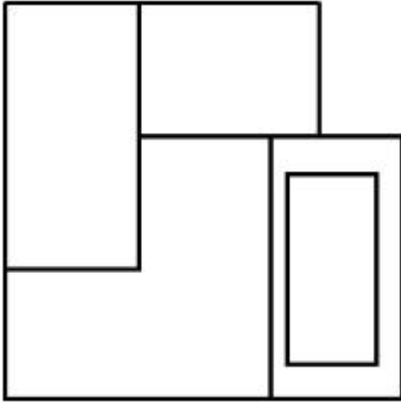


7155058339.

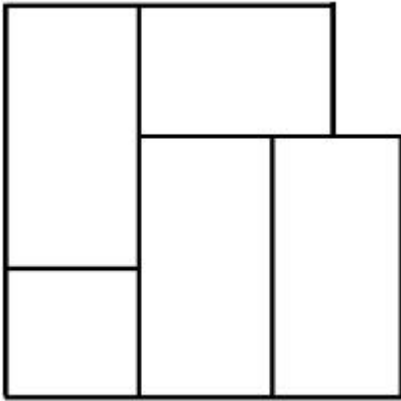
7155058340.



7155058341.



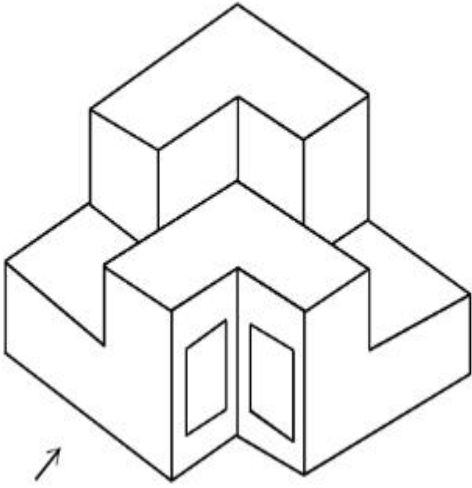
7155058342.



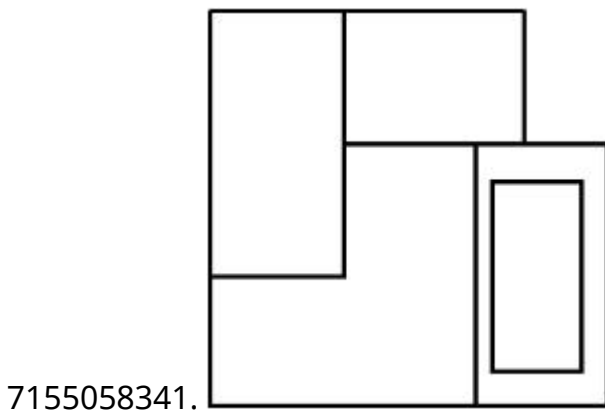
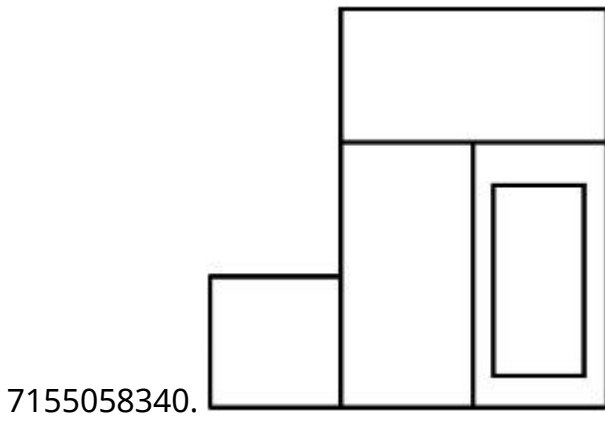
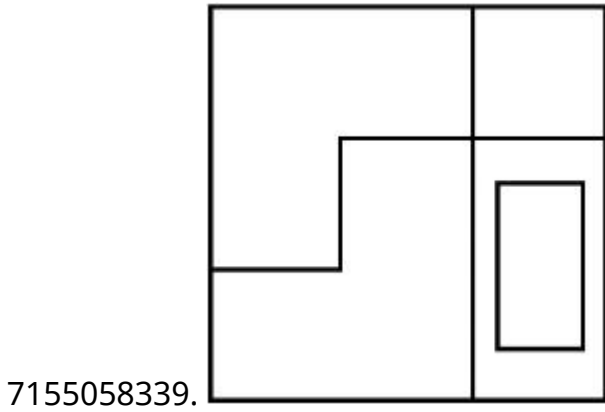
**Question Number : 73 Question Id : 7155052641 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

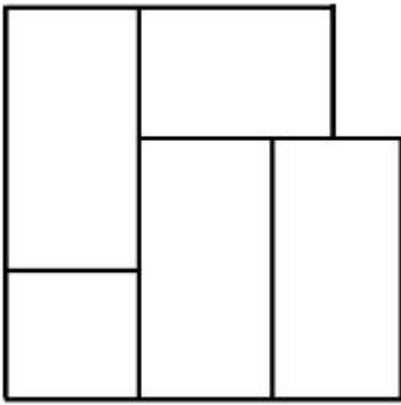
প্রশ্নে একটি বস্তুর ত্রিমাত্রিক রূপটি দেওয়া আছে। তীরের দিক থেকে সঠিক রূপটি বের কর।



Options :



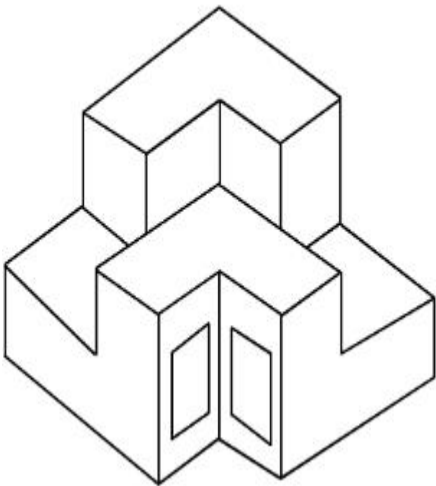
7155058342.



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

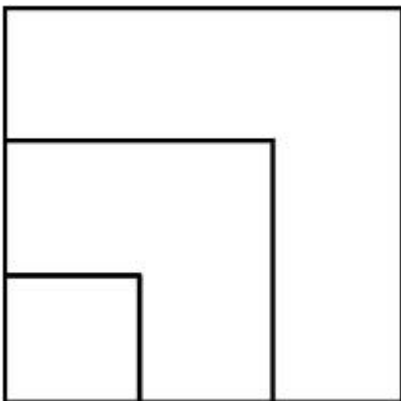
Correct Marks : 4 Wrong Marks : 1

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

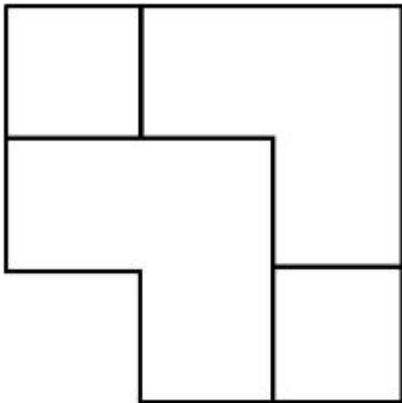
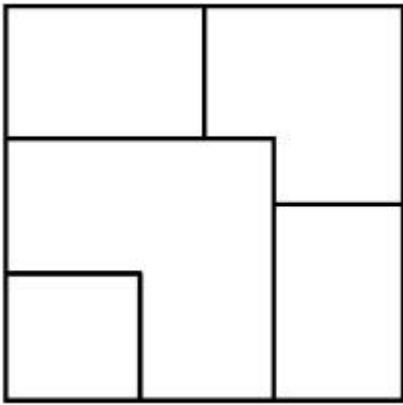


Options :

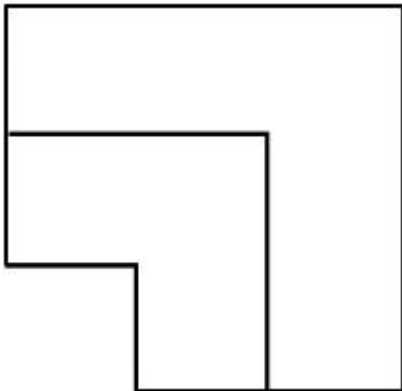
7155058343.



7155058344.



7155058345.

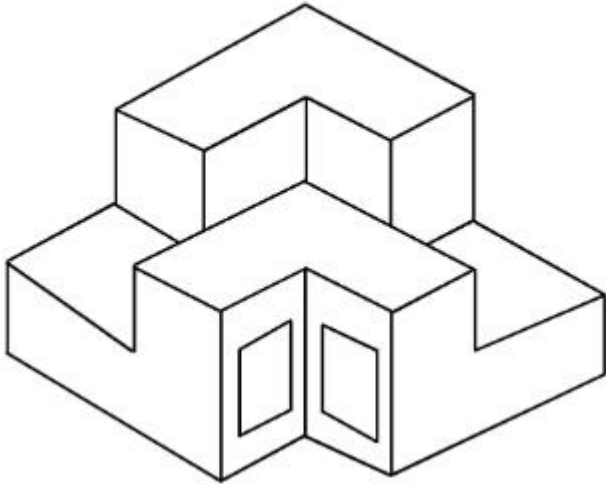


7155058346.

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

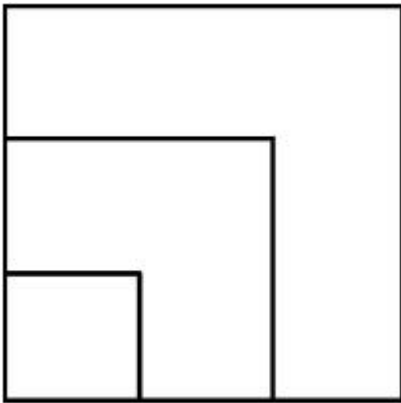
Correct Marks : 4 Wrong Marks : 1

উপর থেকে দেখা হলে ত্রিমাত্রিক বস্তুটির সঠিক রূপ বের কর।

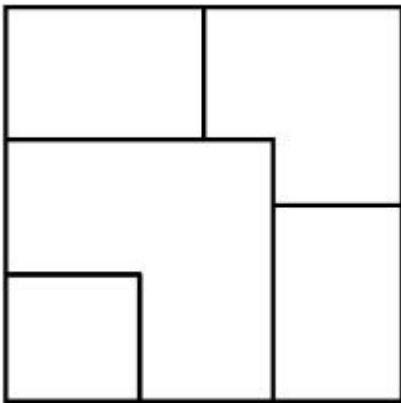


Options :

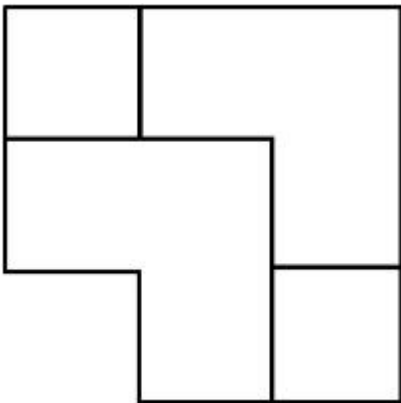
7155058343.

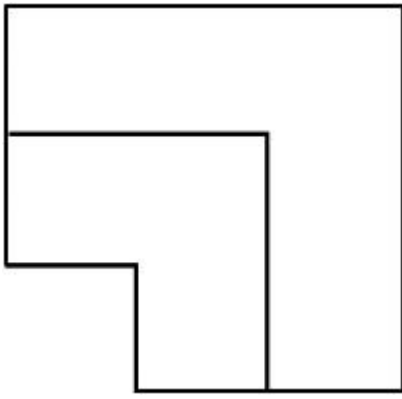


7155058344.



7155058345.



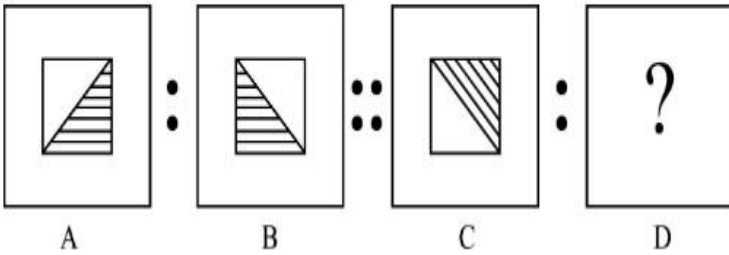


7155058346.

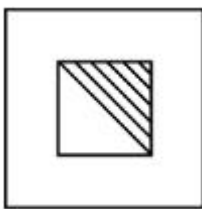
Question Number : 75 Question Id : 7155052643 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

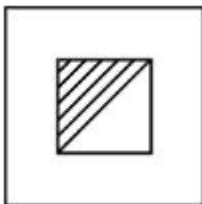
The second figure in the first part of the problem figures bears certain relationship to the first figure. Similarly, one of the figures of answer figures bears the same relationship to the first figure of the second part. Identify the correct option from the given answer figures.



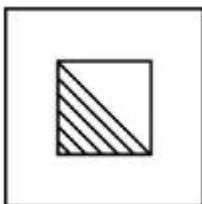
Options :



7155058347.



7155058348.



7155058349.

7155058350.



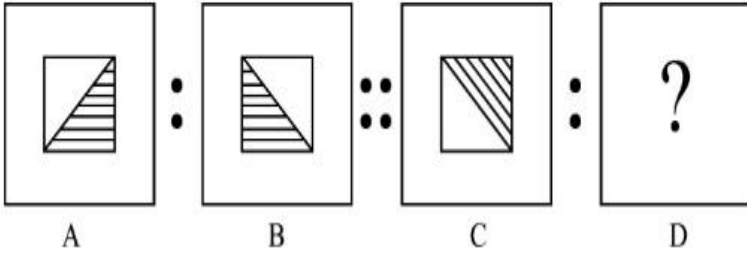
Question Number : 75 Question Id : 7155052643 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

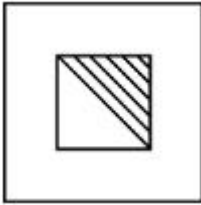
Correct Marks : 4 Wrong Marks : 1

প্রশ্নে প্রথম ভাগের প্রথম ছবির সাথে দ্বিতীয় ভাগের প্রথম ছবির একরূপ সম্পর্ক আছে। উত্তরের একটি ছবির সাথে দ্বিতীয় ভাগের প্রথম ছবির অনুরূপ সম্পর্ক আছে। উত্তরের ছবিগুলোর মধ্যে সঠিক বিকল্পটি বের কর।

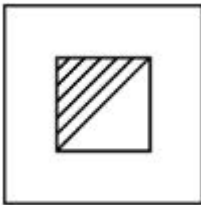


Options :

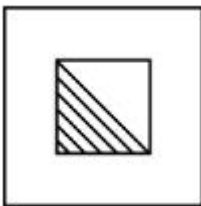
7155058347.



7155058348.



7155058349.



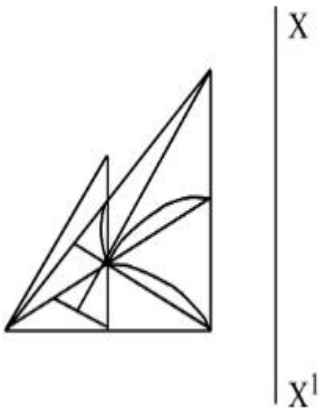
7155058350.



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

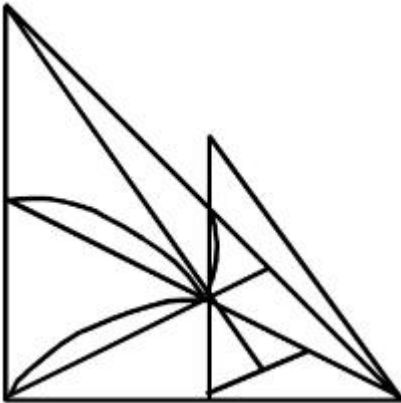
Correct Marks : 4 Wrong Marks : 1

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

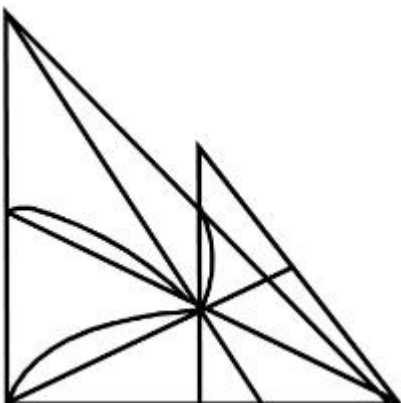


Options :

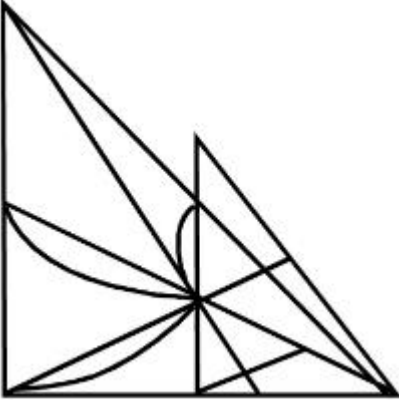
7155058351.



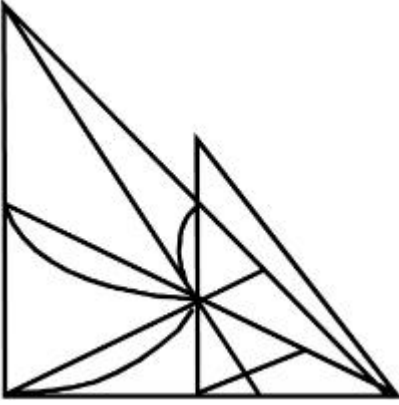
7155058352.



7155058353.



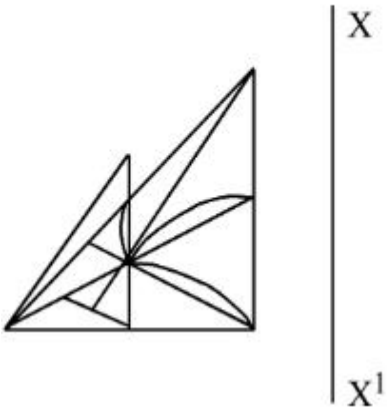
7155058354.



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

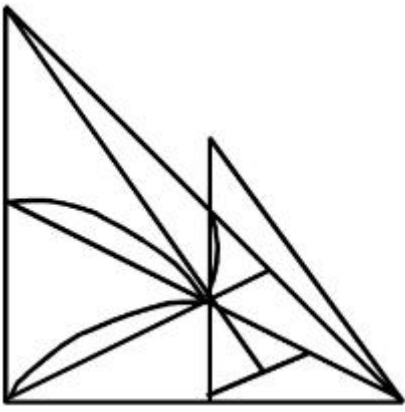
Correct Marks : 4 Wrong Marks : 1

X-X সাপেক্ষে উত্তরের ছবির মধ্যে থেকে সঠিক দর্পণ প্রতিবিম্বটি বের কর।

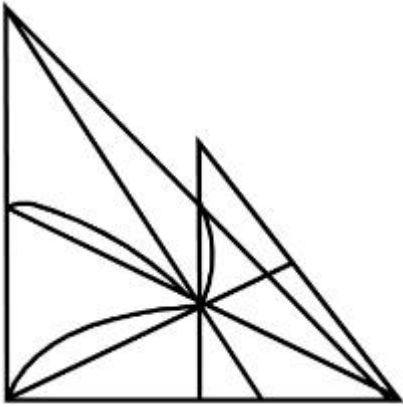


Options :

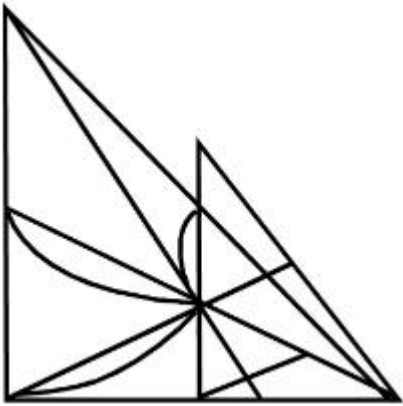
7155058351.



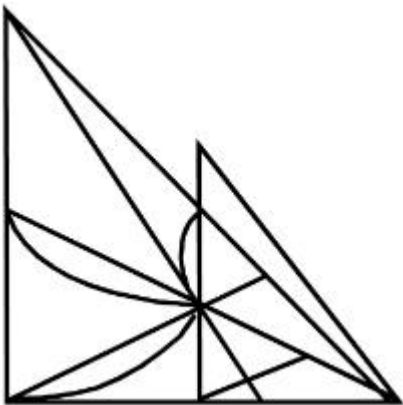
7155058352.



7155058353.



7155058354.

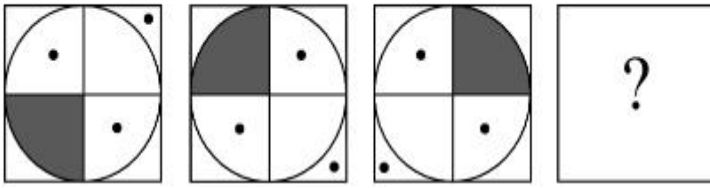


Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

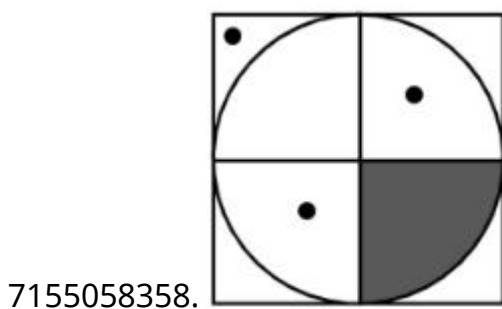
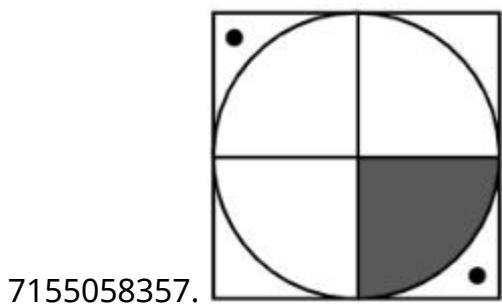
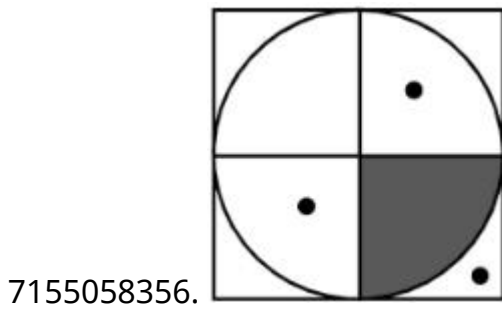
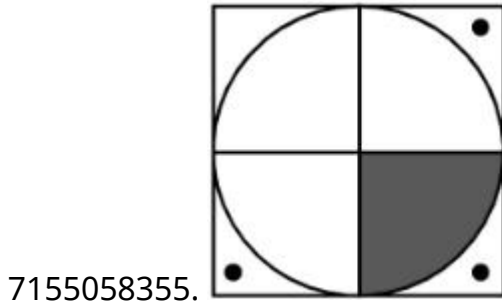
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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



Options :



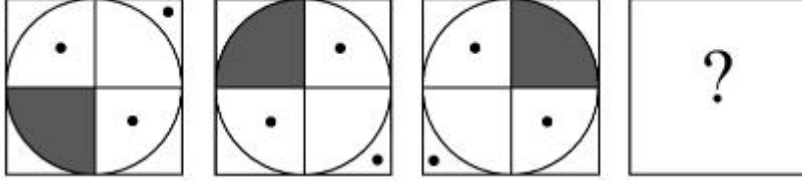
Question Number : 77 Question Id : 7155052645 Question Type : MCQ Option Shuffling : Yes Is

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

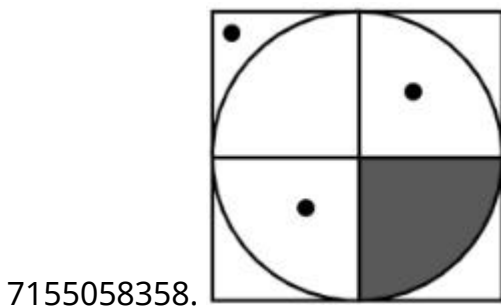
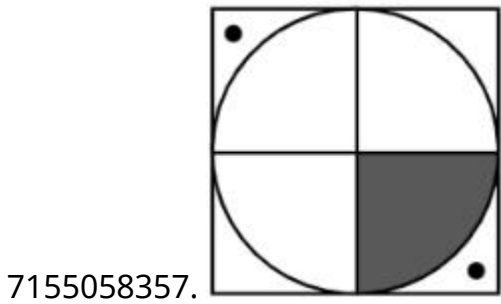
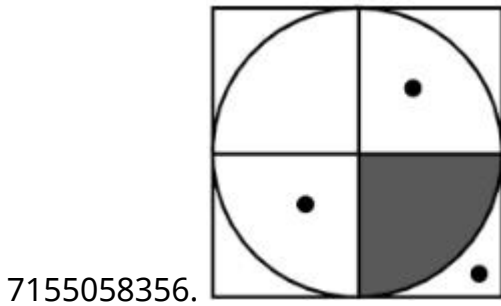
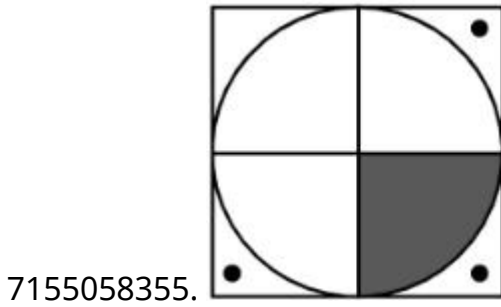
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

উত্তরের সঠিক বিকল্পটি বের কর যেটা শ্রেণীটাকে সম্পূর্ণ করবে।



Options :



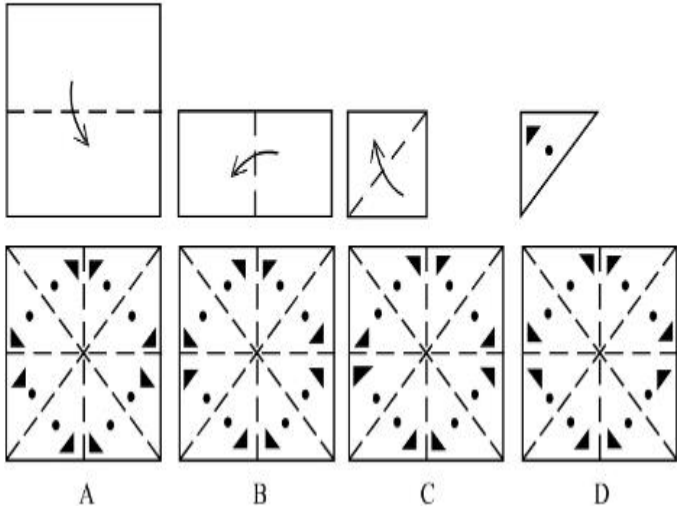
Question Number : 78 Question Id : 7155052646 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

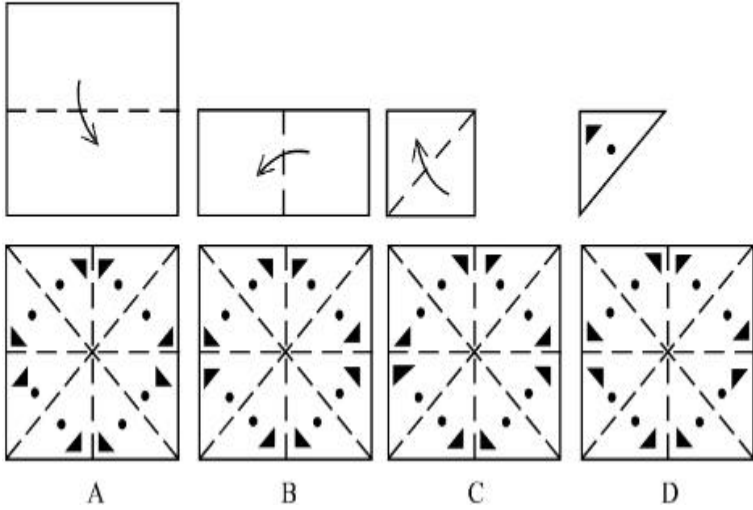
Question Number : 78 Question Id : 7155052646 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

চিহ্নিত রূপে পাতাকে ভাঁজ করা হল, এবং কাটা হল যেমন ভাবে দেখানো হয়েছে। নীচের বিকল্পগুলি থেকে বের কর যখন খোলা হবে তখন কেমন আকার নেবে ?



Options :

7155058359. B

7155058360. A

7155058361. D

7155058362. C

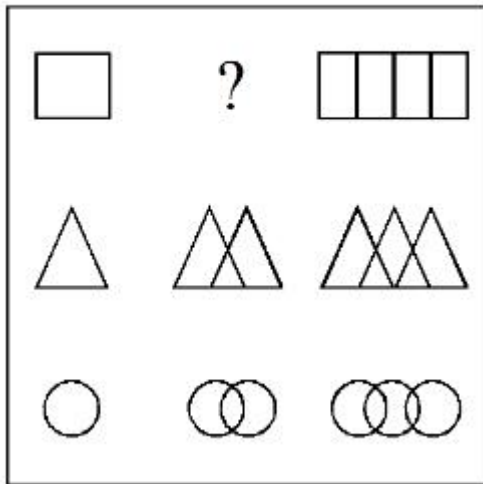
Question Number : 79 Question Id : 7155052647 Question Type : MCQ Option Shuffling : Yes Is

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

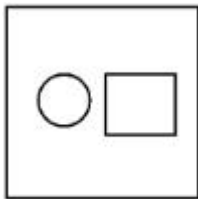
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

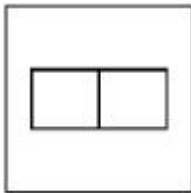
In the figure mentioned below find the missing series:-



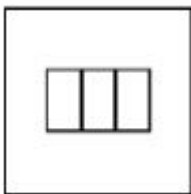
Options :



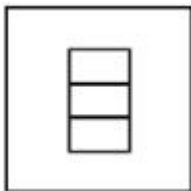
7155058363.



7155058364.



7155058365.

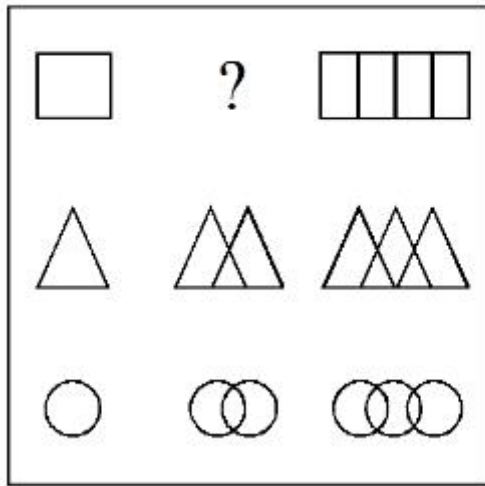


7155058366.

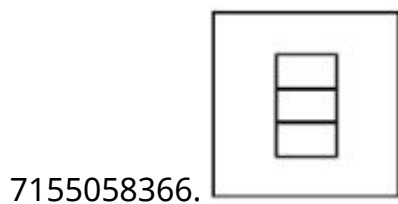
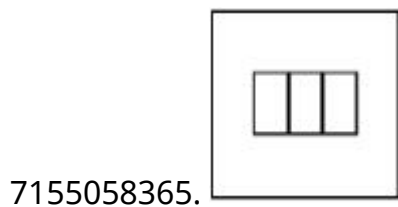
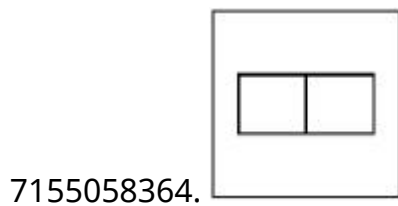
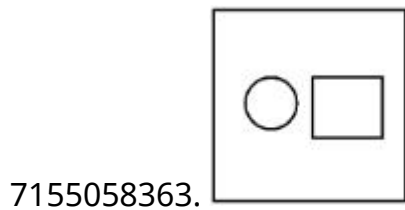
Question Number : 79 Question Id : 7155052647 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

নীচের ছবিতে অনুপস্থিত বের কর :-

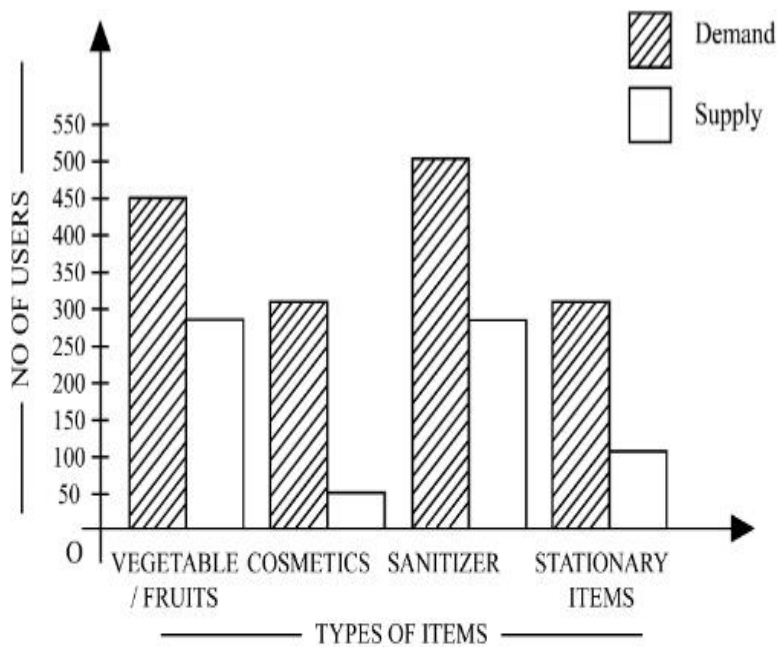


Options :



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

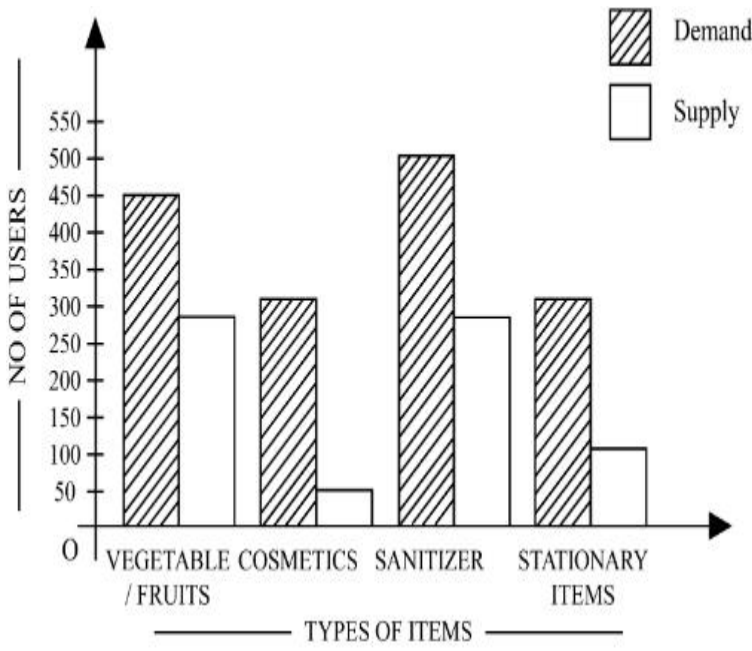
7155058370. B, C and D only

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



বিভিন্ন ব্যবহারকারী বিভিন্ন বস্তুর সরবরাহ এবং চাহিদা উপরের চিত্রে দেওয়া আছে। নীচের কোন বিকল্পটি সঠিক?

- A. Sanitizer এর চাহিদার শুধুমাত্র 50% আছে
- B. সবার মধ্যে Cosmetics এর সরবরাহ সর্বনিম্ন
- C. দুটি বস্তুর সমান চাহিদা কিন্তু আলাদা সরবরাহ
- D. দুটি বস্তুর সমান সরবরাহ এবং সমান চাহিদা

নীচের কোন বিকল্পটি সঠিক:-

Options :

7155058367. শুধু B এবং D

7155058368. শুধু A এবং B

7155058369. শুধু A এবং C

7155058370. শুধু B, C এবং 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 চিত্রের সমানুপাতিক স্কেচ আঁক। তোমার পছন্দমত কালো এবং সাদা রেভারিং টেকনিক ব্যবহার কর।



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

একটি মোটর সাইকেলে পাওয়া 2D আকৃতি ব্যবহার করে তোমার পছন্দমত সুন্দর 2D কম্পোজিশন তৈরি কর, তোমার পছন্দমত যেকোনো তিনটি রঙ দিয়ে রঙ কর।