

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

B ARCH

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

Mathematics Section A

Section Id : 715505159
Section Number : 1

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

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

Correct Marks : 4 Wrong Marks : 1

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

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

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

Options :

7155058081. R_1 is transitive but R_2 is not transitive

7155058082. R_2 is transitive but R_1 is not transitive

7155058083. Both R_1 and R_2 are transitive

7155058084. Neither R_1 nor R_2 is transitive

Question Number : 1 Question Id : 7155052569 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

माना $\mathbb{R}^2$ पर दो संबंध R_1, R_2

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

$(a, b) R_2 (c, d)$ यदि $a + d \geq b + c$ है

द्वारा परिभाषित हैं। तो

Options :

7155058081. R_1 संक्रामक है परन्तु R_2 संक्रामक नहीं है

7155058082. R_2 संक्रामक है परन्तु R_1 संक्रामक नहीं है

7155058083. R_1 तथा R_2 दोनों संक्रामक है

7155058084. न तो R_1 न ही R_2 संक्रामक है

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

माना α तथा β समीकरण $x^2 - 3x + 9 = 0$ के मूल हैं। तो $\left(\frac{\beta^{30}}{(9\alpha)^{10}} + \frac{\alpha^{30}}{(9\beta)^{10}} \right)^2$ बराबर है :

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

यदि $z = 2 + 5i$ हैं, तो $2z^3 + 21z^2 - 58z + 4$ का मापांक है ।

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

यदि समीकरण निकाय

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

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

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

के अनंत हल हैं, तो K^2 बराबर है।

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

यदि $\alpha, \beta \in \mathbb{R}$ के लिए, आव्यूह $A = \begin{pmatrix} \alpha & 0 \\ 0 & \beta \end{pmatrix}$, $B = \begin{pmatrix} \alpha & 0 \\ 0 & \alpha \end{pmatrix}$, $I = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$ समीकरण $(A*B)*2I = 20I$, जहाँ

$A*B = A^2 + B^2$ है, को संतुष्ट करते हैं तो $|\alpha\beta|$ बराबर है ।

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

श्रेणी $\frac{1}{1+1^2+1^4} + \frac{2}{1+2^2+2^4} + \frac{3}{1+3^2+3^4} + \dots$ के प्रथम ग्यारह पदों का योग है :

Options :

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

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

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

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

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

Correct Marks : 4 Wrong Marks : 1

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

Options :

7155058105. e

7155058106. e^3

7155058107. e^6

7155058108. e^9

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

Correct Marks : 4 Wrong Marks : 1

$\lim_{x \rightarrow 0} (1 + 3x)^{\frac{x+2}{x}}$ बराबर है :

Options :

7155058105. e

7155058106. e^3

7155058107. e^6

7155058108. e^9

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

Correct Marks : 4 Wrong Marks : 1

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

Options :

7155058109. 90

7155058110. 180

7155058111. 360

7155058112. 270

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

Correct Marks : 4 Wrong Marks : 1

माना बिंदु $Q(1, 2, 0)$ का रेखा $\frac{x-5}{3} = \frac{y-12}{1} = \frac{z-10}{2}$ में प्रतिबिंब $P(\alpha, \beta, \lambda)$ है। तो $(PQ)^2$ बराबर है:

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

एक बक्से में 7 लाल तथा 9 सफेद गेंद हैं। 8 गेंद, जिनमें कम से कम तीन गेंद प्रत्येक रंग की हों, निकालने के तरीकों की संख्या है:

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

माना $[t]$ महत्तम पूर्णांक फलन है। यदि $\int_0^1 [1+x^2+x^4] dx = a$, है, तो $36a - 25a^2 + 8a^3 - a^4$ बराबर है।

Options :

7155058117. 19

7155058118. -19

7155058119. 18

7155058120. -21

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

माना $PL = 8$ इकाई तथा $QM = 2$ इकाई के दो समांतर रेखा खंड हैं तथा रेखाखंड PM और QL , बिंदु R पर मिलते हैं। यदि PL तथा QM , बिंदुओं P, Q, R से होकर जाने वाले वृत्त की स्पर्श रेखाएँ हैं, तो वृत्त की त्रिज्या है :

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 $Q(\alpha, -11)$. 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

किसी $\alpha \in \mathbb{N}$, के लिए, माना त्रिभुज PQR के दो शीर्ष P(2, 5) तथा Q(α , -11) हैं। यदि बिंदु R, रेखा $l_1: 9x + 7y + \alpha = 0$ पर चलता है, तो ΔPQR का केन्द्रक रेखा l_2 , जो रेखा l_1 के समांतर रेखा l_1 से $\frac{20}{3\sqrt{130}}$ की दूरी पर है, पर चलना है। यदि Q की l_2 से दूरी $\frac{k}{3\sqrt{130}}$ है, तो k बराबर है।

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

माना वृत्त $x^2 + y^2 = 10$ पर बिंदु $A_i(x_i, y_i)$, $i = 1, 2, 3$ इस प्रकार हैं कि A_1 प्रथम चतुर्थांश में है तथा यह y में सापेक्ष बिंदु A_2 का प्रतिबिंब है। यदि बिंदु A_1 की बिंदुओं A_2 तथा A_3 से 2 है, तो त्रिभुज $\Delta A_1A_2A_3$ का क्षेत्रफल का बीस गुना है।

Options :

7155058129. 12

7155058130. 30

7155058131. 24

7155058132. 48

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

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Options :

7155058133. 5

7155058134. 7

7155058135. 9

7155058136. 11

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

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

7⁸⁹ को 15 से विभाजित करने पर शेषफल है

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

यदि बिंदु $(1, -1, 3)$ से होकर जाने वाला समतल $y = \alpha x - \beta y + \gamma$, समतलों $2x + y + z = 1$ तथा $3x - 2y + 2z = 0$ में से प्रत्यक के लंबवत है, तो $\alpha + \beta + \gamma$ बराबर है।

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

माना तीन सदिश $\vec{a} = \hat{i} + 2\hat{j} + 3\hat{k}$, $\vec{b} = \hat{i} - \hat{j} + 2\hat{k}$ तथा $\vec{c} = 2\hat{i} + \hat{j} - 4\hat{k}$ हैं। यदि सदिश $\vec{r}$ के लिए

$\vec{r} \times \vec{a} = (\vec{b} + \vec{c}) \times \vec{a}$ तथा $\vec{r} \cdot (\vec{b} - \vec{c}) = 0$ है, तो $\vec{r} \cdot (\hat{i} + \hat{j} - \hat{k})$ बराबर है।

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

समीकरण $1 + x + x^2 + \dots + x^{118} = 0$ के एक यादृच्छया चुने गए मूल के समीकरण $x^7 = 1$ को संतुष्ट करने की प्रायिकता है।

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

माना X का द्विपद बंटन $B(n, p)$ है। यदि इसका माध्य 3 तथा प्रसरण 2 है, तो $P(X < \frac{n}{4})$ बराबर है।

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

फलन $f(x) = \cos^{-1}\left(\frac{x^2 - 3x + 2}{x^2 + 2x - 1}\right)$ का प्रांत है :

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

निम्न कथनों में कौन सा पुनरुक्ति है ?

Options :

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

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

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

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

Mathematics Section B

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

Enable Mark as Answered Mark for Review and

Yes

Clear Response :

Maximum Instruction Time :

0

Sub-Section Number :

1

Sub-Section Id :

715505160

Question Shuffling Allowed :

Yes

Is Section Default? :

null

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

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

Correct Marks : 4 Wrong Marks : 1

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

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

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

Correct Marks : 4 Wrong Marks : 1

वक्रों $y + |x| = 3$ तथा $y = |x-1|$ से घिरे क्षेत्र को वक्र $y = x^2 + 1$, $m : n$ के अनुपात में बांटता है, जहाँ m तथा n असहभाज्य संख्याएँ हैं, तो $m + n$ बराबर है _____।

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

30 एक समान पेन 12 छात्रों को बांटने के ऐसे तरीके, जिनमें प्रत्येक छात्र को कम से कम एक पेन मिले तथा ठीक दो छात्रों को कम से कम दो पेन मिलें, की संख्या है _____।

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

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

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

यदि श्रेणी $7 + 10 + 16 + 25 + 37 + \dots$, के प्रथम n पदों का योग S_n है, तो $S_{30} - S_{20}$ बराबर है _____।

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

यदि $[t]$ महत्तम पूर्णांक $\leq t$ है, तो ऐसे बिंदुओं, जिन पर फलन $f(x) = [x+x^3] + |x-x^3| + \left|x+\frac{1}{2}\right|$ विवृत अंतराल $(-10, 10)$ में अवकलनीय नहीं है, की संख्या है _____।

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

यदि $\int \frac{dx}{(3x^2+5)\sqrt{10x^2+7}} = -\frac{1}{\sqrt{580}} \log_e |f(x)| + C$ है, जहाँ C एक स्वेच्छ अचर है, तो $f(0)$ बराबर है _____

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

माना अतिपरवलय, जिसकी नाभियाँ $(1, 5)$, $(1, -1)$ हैं तथा उत्केन्द्रता $\sqrt{3}$ है, का समीकरण $x^2 - 2y^2 + ax + by + c = 0$ है। तो $|a + b + c|$ बराबर है _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

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

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

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

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

माना α के मान, जिनके लिए बिंदु $(2, 4, 3)$ तथा समतल $3x + y + \alpha z + 10 = 0$ के बीच की दूरी $\sqrt{35}$ इकाई है, α_1, α_2 हैं। तो शीर्षों $(\alpha_1, \alpha_2, 0)$, $(\alpha_2, \alpha_1, 0)$ तथा $\left(\frac{164}{13}, 5, 0\right)$ के त्रिभुज का क्षेत्रफल _____ वर्ग इकाई है।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

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

माना O मूल बिंदु है तथा $\overrightarrow{OA} = -3\hat{i} + 7\hat{j} + 5\hat{k}$, $\overrightarrow{OB} = -5\hat{i} + 7\hat{j} - 3\hat{k}$, तथा $\overrightarrow{OC} = \hat{u}$ एक समांतर षट्फलक की भुजाएँ हैं, जहाँ $\hat{u}$, xy - समतल में एक मात्रक सदिश है। यदि समांतर षट्फलक का अधिकतम आयतन $2\sqrt{\alpha}$ है, तो α बराबर है _____।

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

यदि अवकल समीकरण $\frac{x+y-2}{x+y-1} \frac{dy}{dx} = \frac{x+y+2}{x+y+1}$, $x+y > 2$ का हल वक्र बिंदुओं $(\sqrt{2}, \sqrt{2})$ तथा $(2, \alpha)$ से होकर जाता है, तो $2\alpha - \log_e \left(\frac{\alpha^2 + 4\alpha + 2}{6} \right)$ बराबर है _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

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

अड़ोब है-

Options :

7155058171. सीमेट का प्रकार

7155058172. फ्लोर फिनिश का प्रकार

7155058173. पेन्ट का प्रकार

7155058174. ईंट का प्रकार

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

Given below are two statements:

कथन I : चण्डीगढ़ भारत की पहली नियोजक शहर है।

कथन II : चण्डीगढ़ को स्विस फ्रेंच आर्किटेक्ट ली-कॉर्बूजियर ने बनाया है।

सही विकल्प चुनिये-

Options :

7155058175. कथन I व कथन II दोनों सत्य है।

7155058176. दोनों कथन I व कथन II असत्य है।

7155058177. कथन I सत्य है व कथन II असत्य है

7155058178. कथन I असत्य है व कथन II सत्य है

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

कथन I : ग्लास की ऊष्मा चालकता कम होती है।

कथन II : ग्लास अवशोषित, अपवर्तन व पारगमन कर सकता है।

कथनों के आधार पर सही विकल्प चुनें।

Options :

7155058179. दोनों कथन I व कथन II सत्य है।

7155058180. दोनों कथन I व कथन II असत्य है।

7155058181. कथन I सत्य है व कथन II असत्य है।

7155058182. कथन I असत्य है व कथन II सत्य है।

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

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

सूची I व सूची II मिलाइए

सूची I		सूची II	
A.	PMUY	I.	कौशल विकास योजना
B.	PMAY	II.	जन धन योजना
C.	PMKVY	III.	उज्ज्वला योजना
D.	PMJDY	IV.	आवास योजना

सही विकल्प चुनें।

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

सूची I व सूची II मिलाएँ।

सूची I		सूची II	
A.	सी. पी. कुकरेजा	I.	IIM अहमदाबाद
B.	लुईस आई काहन	II.	जवाहर लाल नहेरु विश्व विद्यालय
C.	बी.वी. दोशी	III.	IIT कानपुर
D.	अच्युत कानविंदे	IV.	IIM बैंगलोर

सही विकल्प चुनें:

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

निम्न में से कौन परिपूरक रंग नहीं है?

Options :

7155058191. नीला-नारंगी

7155058192. लाल-हरा

7155058193. नीला - हरा

7155058194. बैंगनी - पीला

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

रॉबर्स केव भारत के किस राज्य में स्थित है?

Options :

7155058195. हिमाचल प्रदेश

7155058196. उत्तराखण्ड

7155058197. उत्तर प्रदेश

7155058198. मध्य प्रदेश

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

पेट्रोनस टावर उपस्थित है -

Options :

7155058199. पेरिस

7155058200. दुबई

7155058201. कुआला लम्पुर

7155058202. न्यूयॉर्क

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

कोनार्क मंदिर किस राज्य में स्थित है?

Options :

7155058203. मध्य प्रदेश

7155058204. ओड़िशा

7155058205. कर्नाटक

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

लोटस टेम्पल का रचनाकार कौन है?

Options :

7155058207. लुई आई कान

7155058208. मोशे सफदाई

7155058209. फरीबोर्ज सहबा

7155058210. रिचर्ड मेयर

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

कम वजन उठाने वाली छोटी लिफ्ट को कहते है?

Options :

7155058211. ए डेड बिअर

7155058212. ए डम्ब वेटर

7155058213. ए जोकी बॉय

7155058214. ए पुश अपर

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

Correct Marks : 4 Wrong Marks : 1

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

Options :

7155058215. Bhubaneswar-Puri

7155058216. Puri-Cuttack

7155058217. Bhubaneswar-Cuttack

7155058218. Bhubaneswar-Rourkela

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

Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन ओड़िसा की जुड़वा शहर कहे जाते है -

Options :

7155058215. भुवनेश्वर-पुरी

7155058216. पुरी - कटक

7155058217. भुवनेश्वर - कटक

7155058218. भुवनेश्वर - राउरकेला

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

मानव सभ्यता का उनकी उपस्थिति के आधार पर सही क्रम कौन-सा है?

Options :

7155058219. मेसोपोटामिया -हरप्पा - इजिप्शियन - चाइनीज

7155058220. मेसोपोटामिया - इजिप्शियन- हरप्पा- चाइनीज

7155058221. मेसोपोटामिया- चाइनीज- हरप्पा - इजिप्शियन

7155058222. इजिप्शियन - मेसोपोटाशियम- हरप्पा - सुमेरियन

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

दिल्ली की कुतुब मीनार किसके बनवाई थी?

Options :

7155058223. शाहजहान

7155058224. जहाँगीर

7155058225. अकबर

7155058226. कुतुब-उद्दीन ऐबक

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

दक्षिणी गोलार्द्ध में किस दिशा में आपको वर्ष भर चकाचौंध मुक्त प्रकाश प्राप्त होगा?

Options :

7155058227. उत्तर

7155058228. दक्षिण

7155058229. पूर्व

7155058230. पश्चिम

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

जवाहर कला केन्द्र का रचनाकार कौन है?

Options :

7155058231. राज रेवल

7155058232. चार्ल्स कोरिया

7155058233. अच्युत कानविन्दे

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

धज्जी-देवारी निर्माण शैली कहाँ लोकप्रिय है?

Options :

7155058235. तटवर्तीय क्षेत्र

7155058236. समतल

7155058237. पहाड़ी इलाका

7155058238. रेगिस्तान

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

पहाड़ी क्षेत्र में छत बनाने के लिये कौन सा पत्थर उपयोग करते हैं?

Options :

7155058239. मार्बल

7155058240. ग्रेनाइट

7155058241. शैल

7155058242. बालू पत्थर

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

चण्डीगढ़ किस तरह के नियोजन का उदाहरण है?

Options :

7155058243. रेडियो सेन्ट्रिक

7155058244. ग्रिड आयरन

7155058245. लिनियर

7155058246. ऑर्गेनिक

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

अगर आपको गोवा के समुद्री किनारे पर निर्माण करना है, तो कौन-सा कमरा समुद्र का दृश्य देगा?

Options :

7155058247. उत्तर की ओर

7155058248. दक्षिण की ओर

7155058249. पूर्व की ओर

7155058250. पश्चिम की ओर

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

नेशनल इन्स्टीट्यूट ऑफ फैशन टेक्नोलॉजी ("NIFT") किसने बनाया है?

Options :

7155058251. बी.वी दोशी

7155058252. सी.पी कुकुरेजा

7155058253. राज रेवल

7155058254. विमल पटेल

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

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

सूची I को सूची II से मिलाये-

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

नीचे दिये विकल्पों :

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

सूची I व सूची II को मिलान करिए।

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

नीचे दिये गये विकल्पों में से सही उत्तर का चयन कीजिए।

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

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

कथन I : लाल, नीला एवं पीला, रंग पहिये के प्राथमिक रंग हैं

कथन II : रंग जो रंग पहिये में एक-दूसरे के विपरित रखे जाते है रंग पर उनको परिपूरक रंग कहते है।

सही विकल्प चुनो।

Options :

7155058263. कथन I व कथन II सत्य है।

7155058264. दोनो कथन I व कथन II असत्य है।

7155058265. कथन I सत्य व कथन II असत्य है।

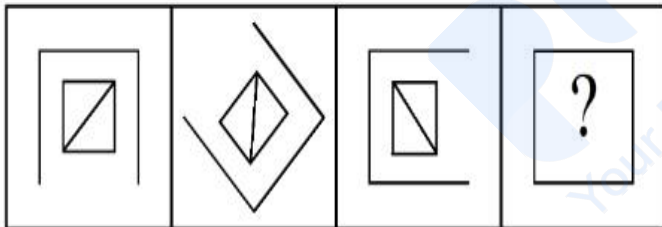
7155058266. कथन I असत्य व कथन II सत्य है।

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

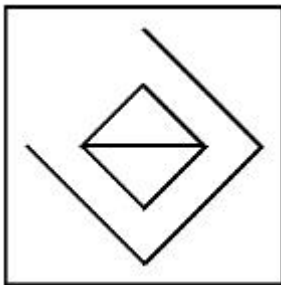
Correct Marks : 4 Wrong Marks : 1

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.

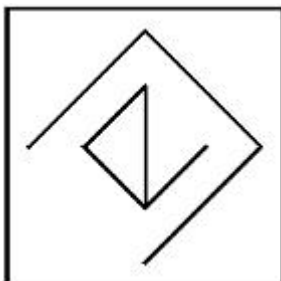
PROBLEM FIGURES



Options :

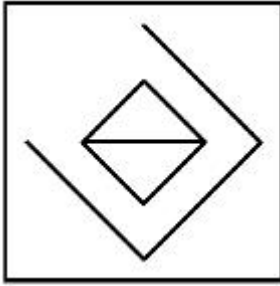


7155058267.

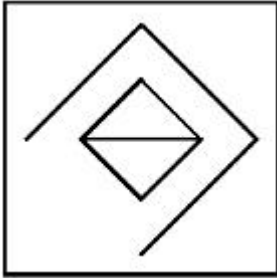


7155058268.

7155058269.



7155058270.



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

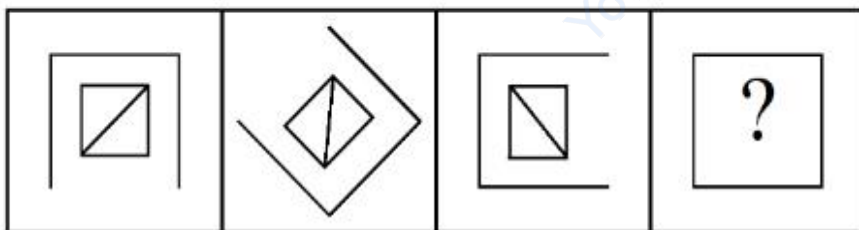
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

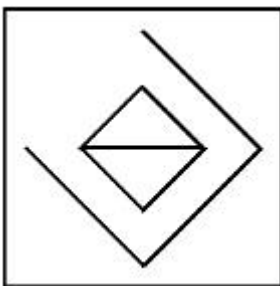
प्रश्न चित्र की श्रृंखला को पूरा करता हुआ, उत्तर विकल्पों में से सही विकल्प चुनिए।

PROBLEM FIGURES

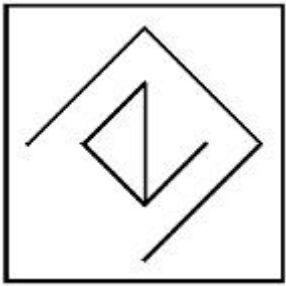


Options :

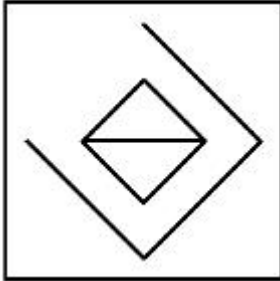
7155058267.



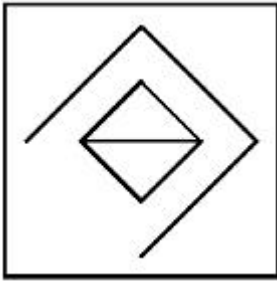
7155058268.



7155058269.



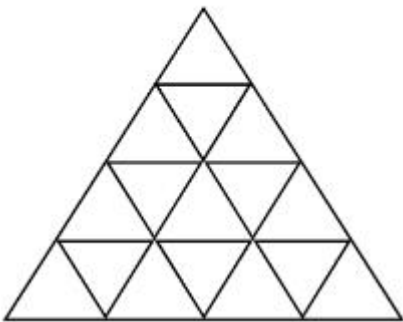
7155058270.



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

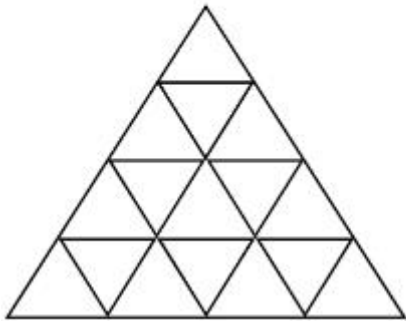
7155058273. 27

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

दिये गये प्रश्न में कितने त्रिभुज हैं?



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

विषम संख्या ज्ञात कीजिए।

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

एक आवासीय भवन में 15 तल है। भूतल की ऊँचाई 4.2 मीटर (स्लैब की चौड़ाई व लम्बाई)। बाकी सब तल की ऊँचाई 3.3 मीटर है। भवन की कुल ऊँचाई (भूतल से हल तक) मीटर में कितनी है?

Options :

7155058279. 45.6 मीटर

7155058280. 50 मीटर

7155058281. 50.4 मीटर

7155058282. 51.6 मीटर

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. 22ECCE22

7155058284. 22ECCU22

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

प्रश्न शब्द का दर्पण प्रतिबिम्ब चुनिए -

SUCCESS

Options :

7155058283. 22ECCE22

7155058284. 22ECCU22

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

नक्शे का माप 1:1000 है। यदि कोई कार बिन्दु 'A' से बिन्दु 'B' तक 7 cm यात्रा करती है नक्शे पर। तो कार वास्तविकता में कितनी यात्रा करती है?

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

एक भूमि का टुकड़े का माप 80 मीटर $\times$ 40 मीटर है जिसे एक आवास बनाने के लिये 1:100 माप पर पेपर पर बनाया गया है। पेपर पर बनाये गये भूमि का माप क्या होगा?

Options :

7155058291. 8 मी. $\times$ 4 मी.

7155058292. 80 मी. $\times$ 40 मी.

7155058293. 8 मी. $\times$ 4 मी.

7155058294. 4 मी. $\times$ 2 मी.

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

दिये हुये श्रृंखला में खोया हुआ नम्बर ज्ञात करें।

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

किसी कोड भाषा में ROMAN को TQOCP लिखा गया है। तो उसी भाषा में ITALY को क्या लिखेंगे?

Options :

7155058299. KVCMA

7155058300. KWCNB

7155058301. KUCLA

7155058302. KVCNA

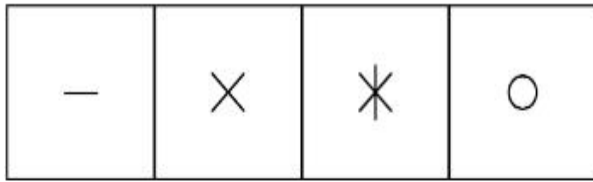
Question Number : 64 Question Id : 7155052632 Question Type : MCQ Option Shuffling : Yes Is

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

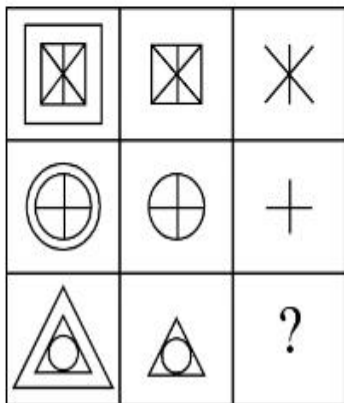
Instruction Time : 0

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

चार दिये गये विकल्पों में से सबसे सही विकल्प चुनें जो खाली जगह पर भराद जायेगा?

—	×	✱	○
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(A) (B) (C) (D)

		
		
		?

Options :

7155058303. D

7155058304. C

7155058305. B

7155058306. A

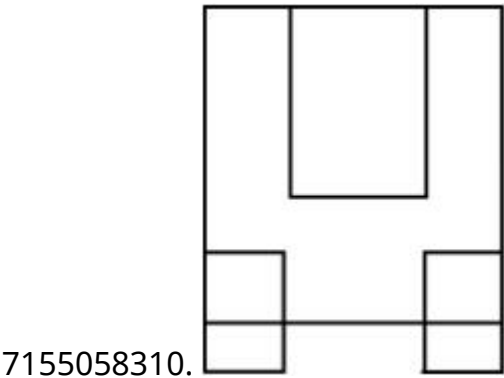
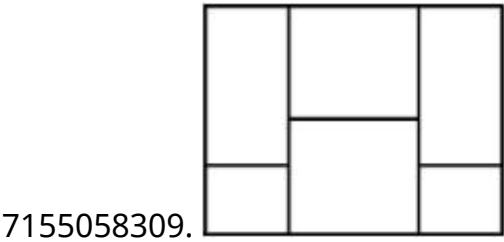
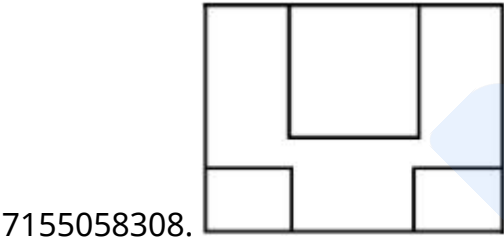
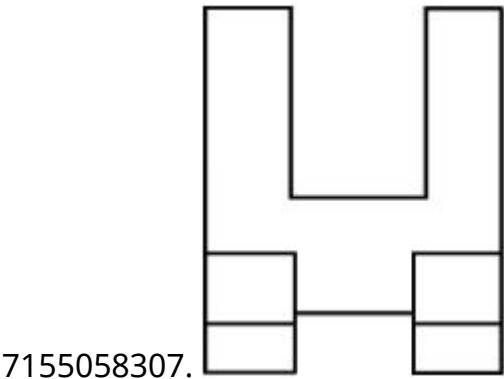
Question Number : 65 Question Id : 7155052633 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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



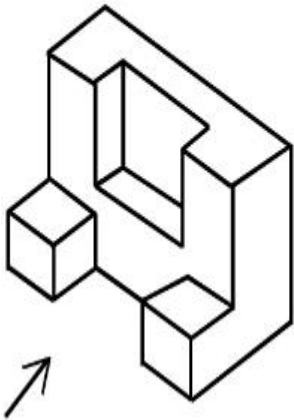
Options :



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

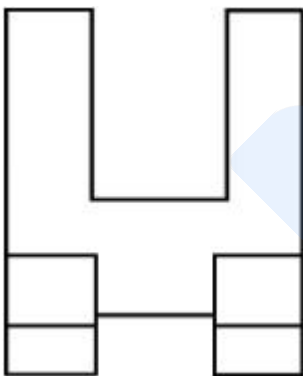
Correct Marks : 4 Wrong Marks : 1

प्रश्न चित्र में एक वस्तु का 3D दृश्य दिखाया गया है। तीर की दिशा में देखते हुये वस्तु का सम्मुख दृश्य दिये विकल्पों में चुनिए।

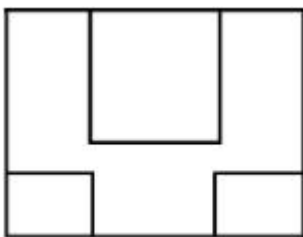


Options :

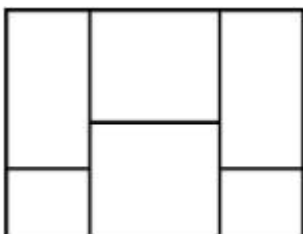
7155058307.



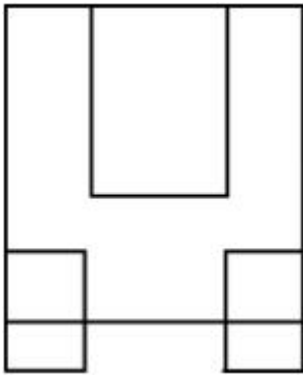
7155058308.



7155058309.



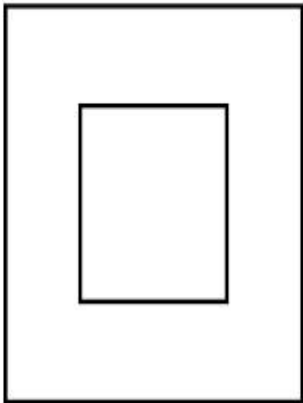
7155058310.



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

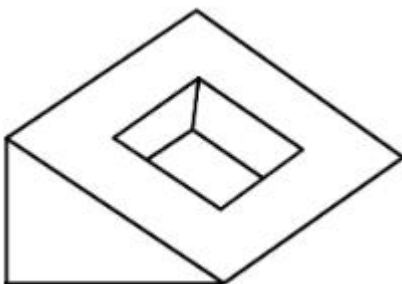
Correct Marks : 4 Wrong Marks : 1

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

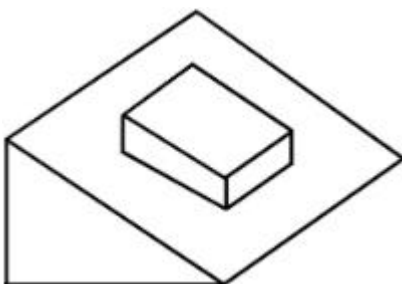


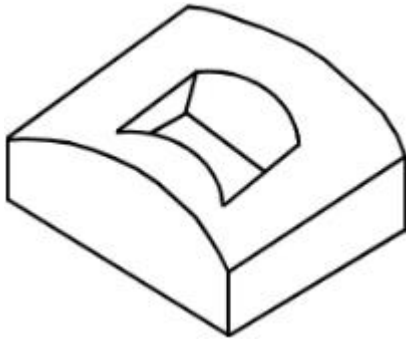
Options :

7155058311.

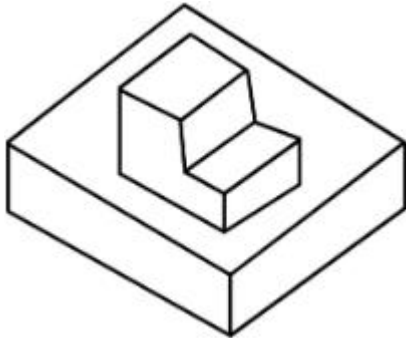


7155058312.





7155058313.

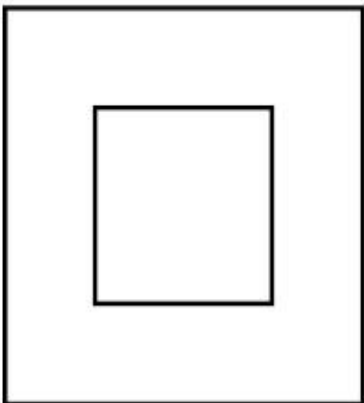


7155058314.

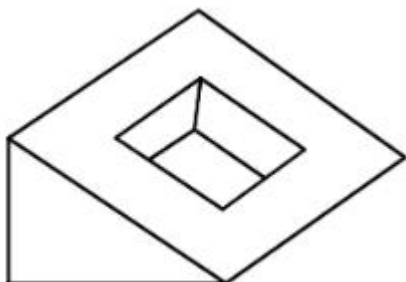
Question Number : 66 Question Id : 7155052634 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्रश्न चित्र में वस्तु का ऊपरी दृश्य दिया गया है। दिये गये विकल्पों में गलत 3D दृश्य चुनें।

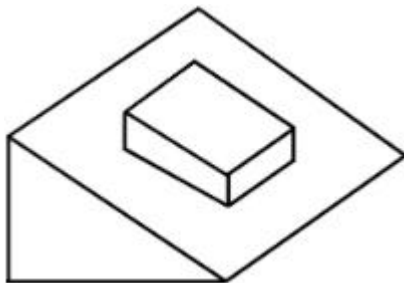


Options :

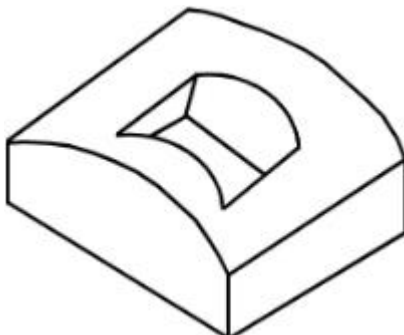


7155058311.

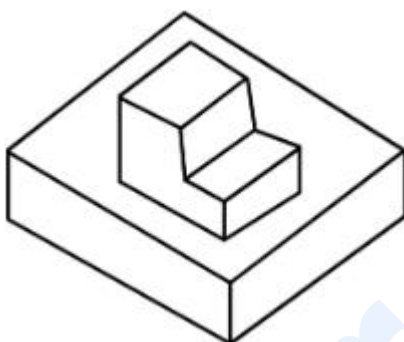
7155058312.



7155058313.



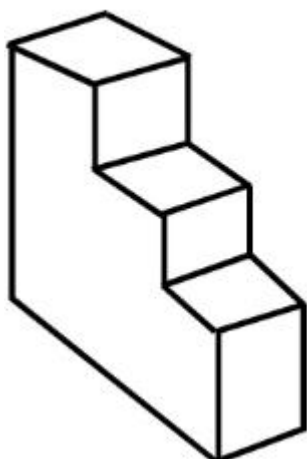
7155058314.



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

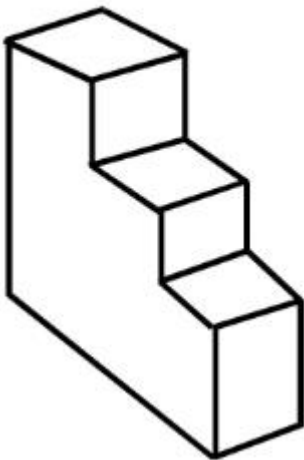
Question Number : 67 Question Id : 7155052635 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दी गई वस्तु के पृष्ठों की संख्या ज्ञात करें।



Options :

7155058315. 9

7155058316. 10

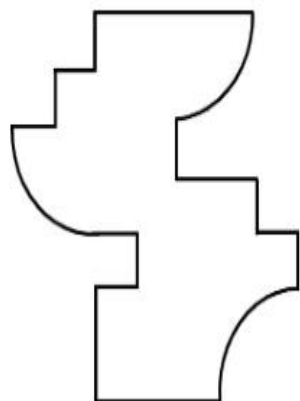
7155058317. 8

7155058318. 11

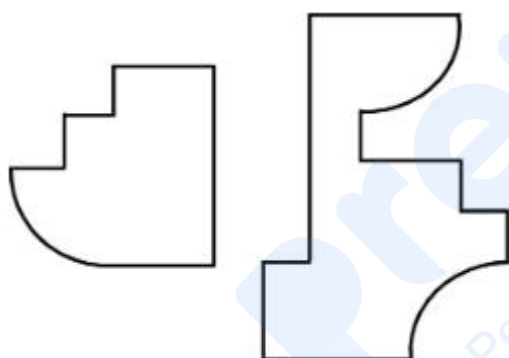
Question Number : 68 Question Id : 7155052636 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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?



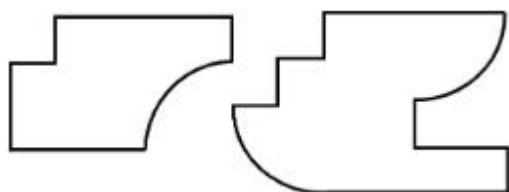
Options :



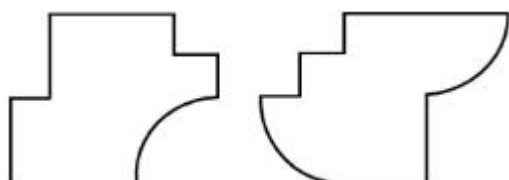
7155058319.



7155058320.



7155058321.

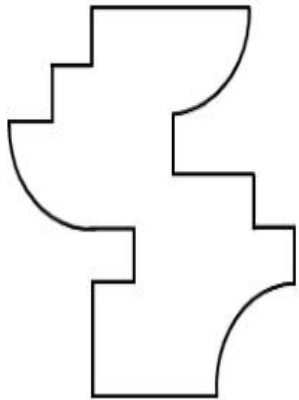


7155058322.

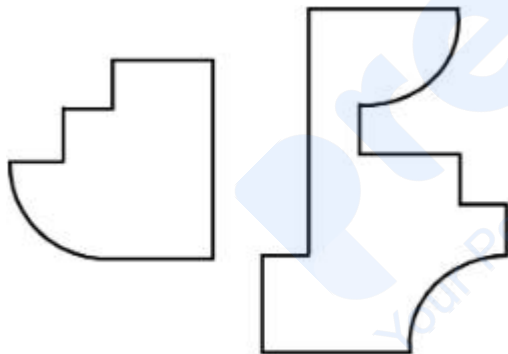
Question Number : 68 Question Id : 7155052636 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

अगर प्रश्न चित्र को दो भागों में बाँटा जाये तो कौन सा विकल्प चित्र को पूरा करेगा बिना एक दूसरे को ढके हुये।



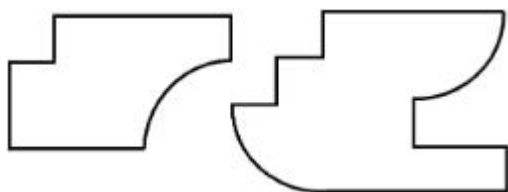
Options :



7155058319.

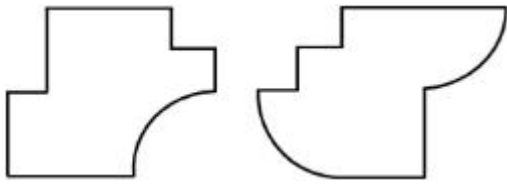


7155058320.



7155058321.

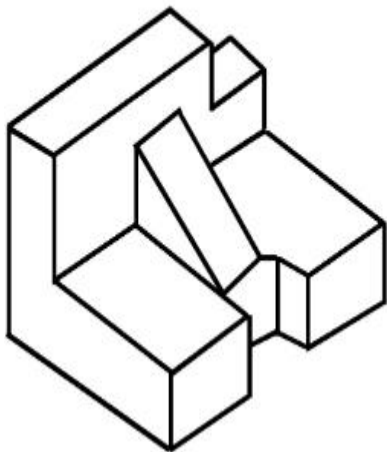
7155058322.



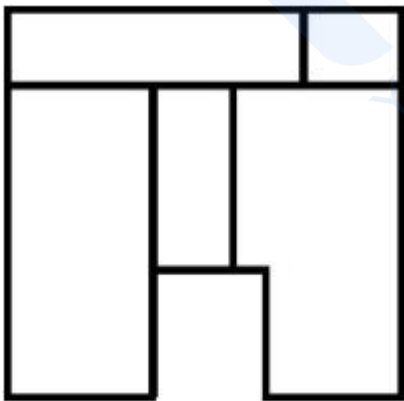
Question Number : 69 Question Id : 7155052637 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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.

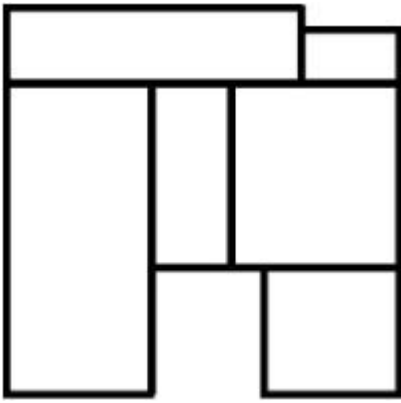


Options :

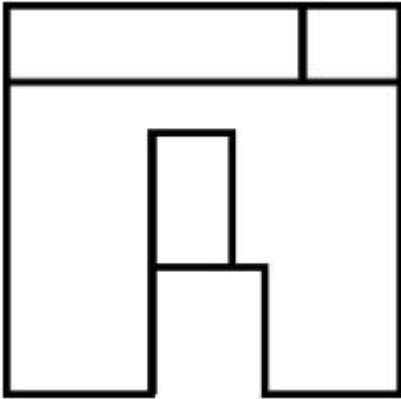


7155058323.

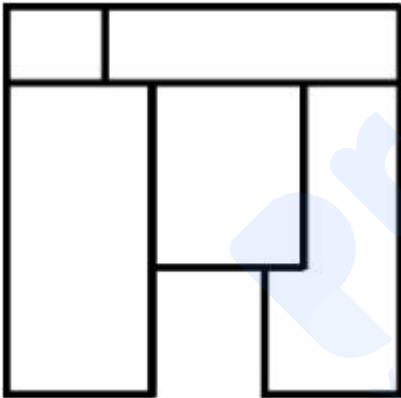
7155058324.



7155058325.



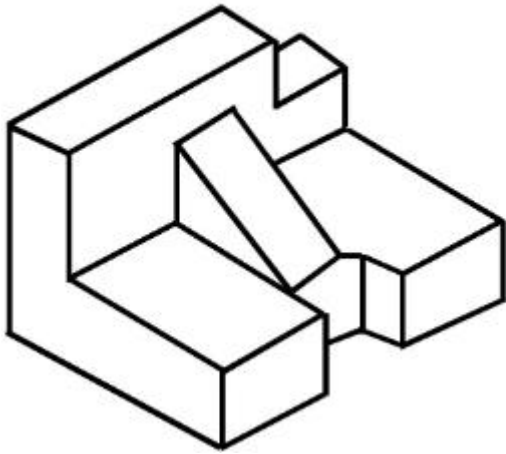
7155058326.



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

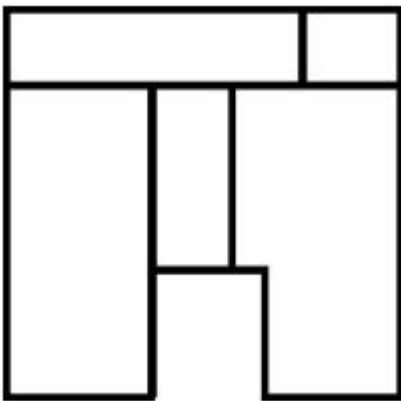
Correct Marks : 4 Wrong Marks : 1

प्रश्न में दिये गये 3D दृश्य का ऊपरी दृश्य ज्ञात करें।

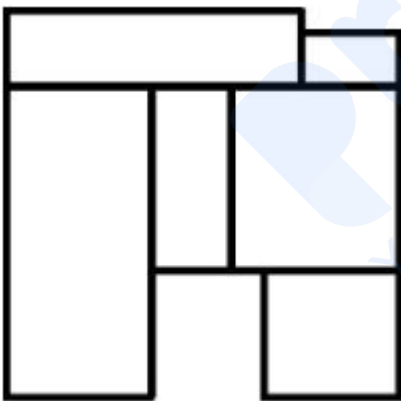


Options :

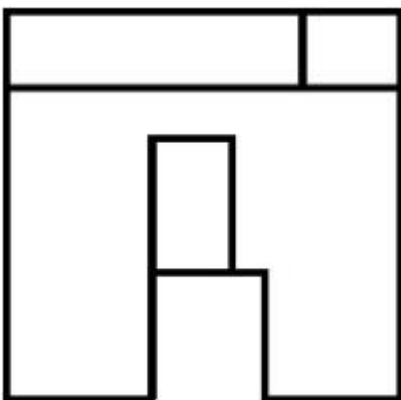
7155058323.



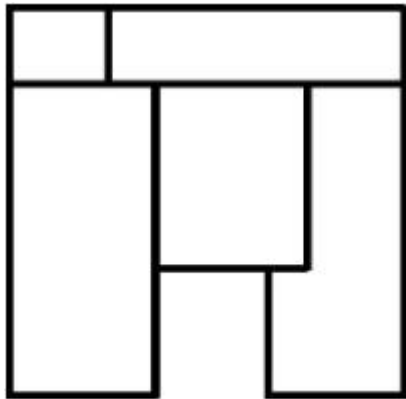
7155058324.



7155058325.



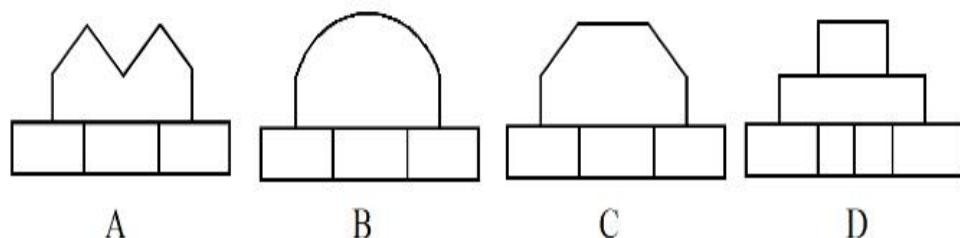
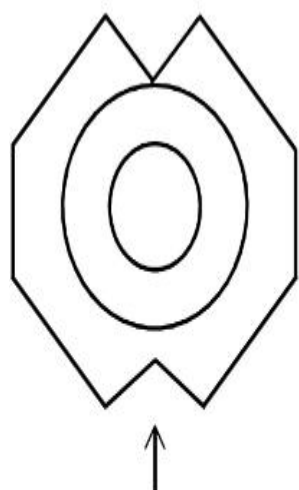
7155058326.



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**

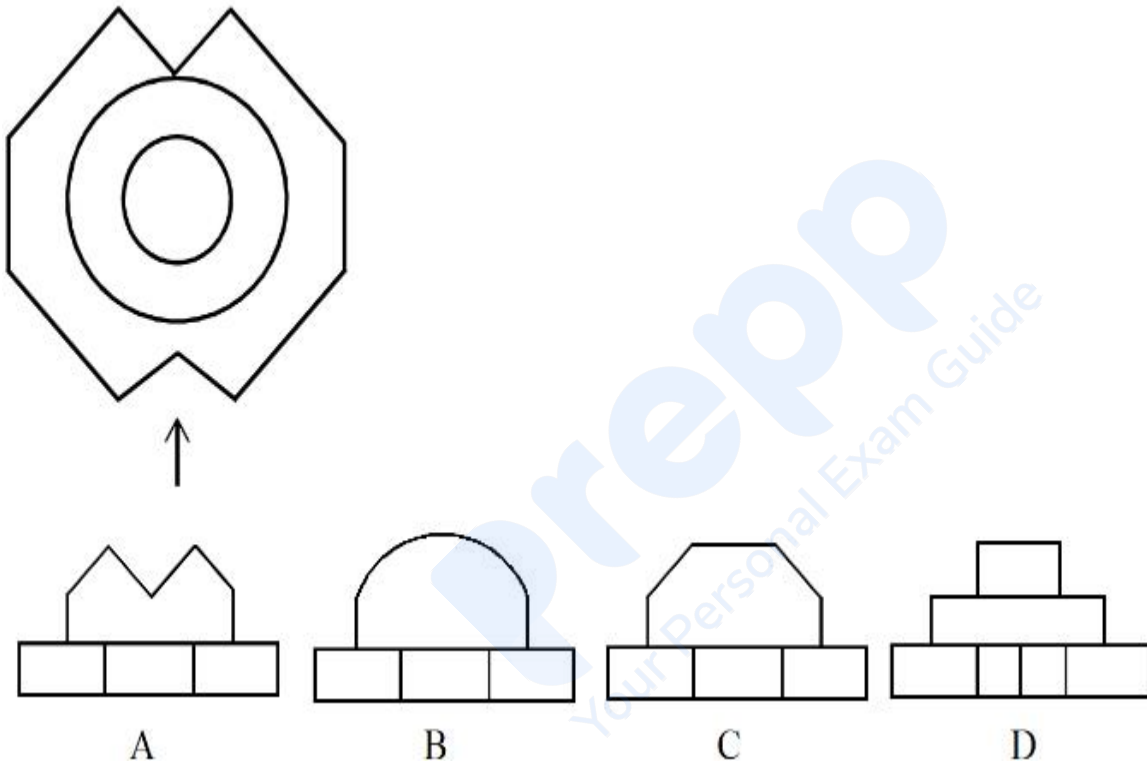
7155058329. **B**

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

दिये गये वस्तु के ऊपरी दृश्य का तीर की दिशा में देखते हुये सम्मुख दृश्य ज्ञात करें।



Options :

7155058327. D

7155058328. A

7155058329. B

7155058330. C

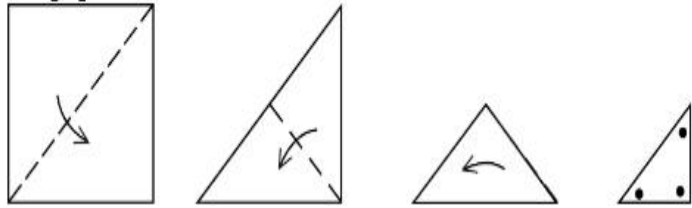
Question Number : 71 Question Id : 7155052639 Question Type : MCQ Option Shuffling : Yes Is

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

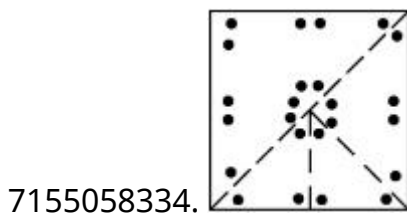
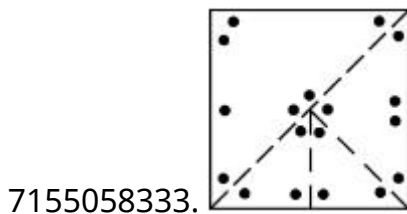
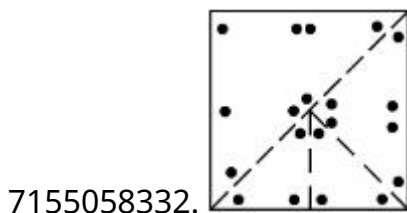
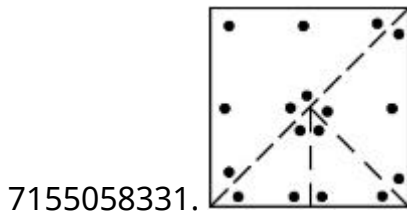
Instruction Time : 0

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

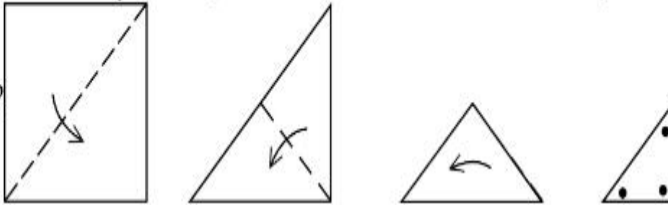
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

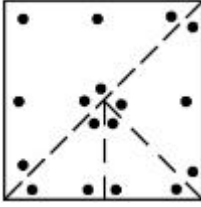
एक पेपर को दी गई श्रृंखला में मोड़ा जाता है और उसे अन्त से काट दिया जाता है। पेपर को वापस खोलने पर

कौन-सी श्रृंखला बनेगी?

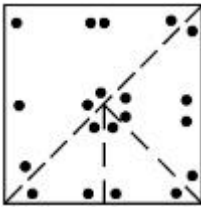


Options :

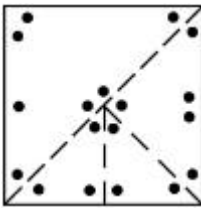
7155058331.



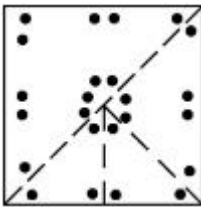
7155058332.



7155058333.



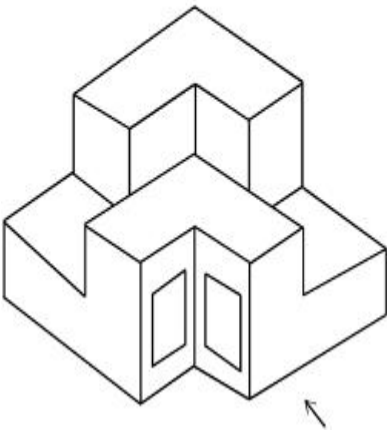
7155058334.



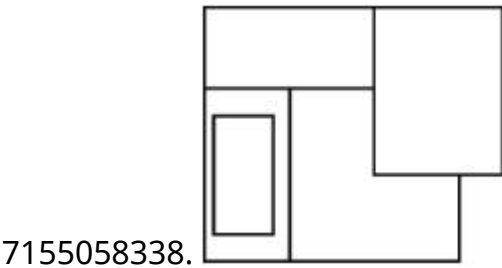
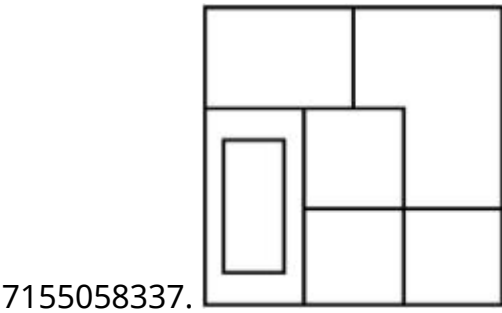
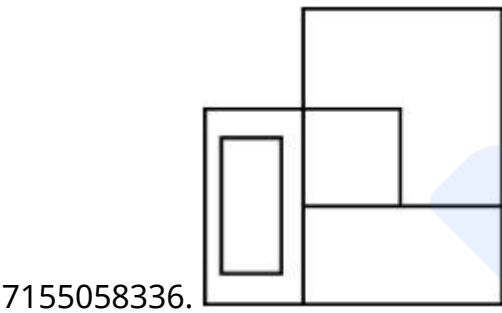
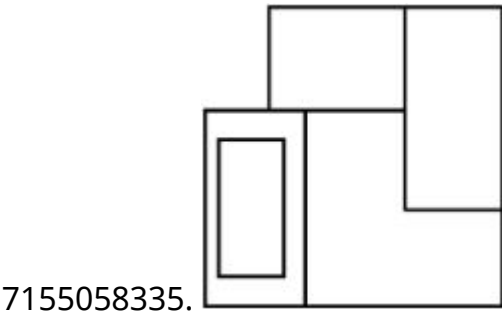
Question Number : 72 Question Id : 7155052640 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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



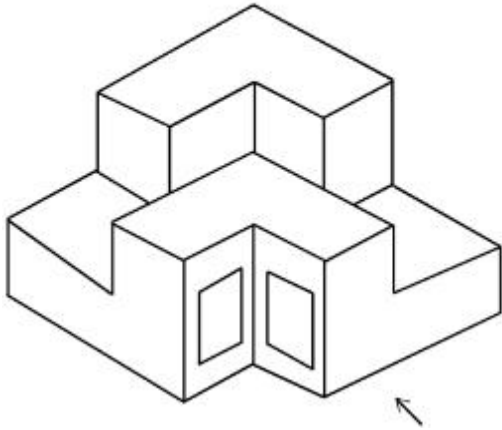
Options :



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

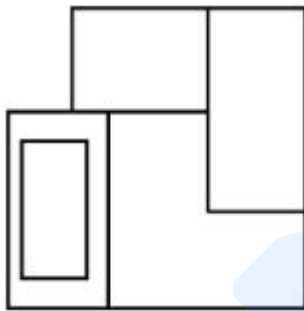
Correct Marks : 4 Wrong Marks : 1

प्रश्न में दिये गये 3-D दृश्य का तीर की दिशा में देखते हुये सम्मुख दृश्य ज्ञात करें।

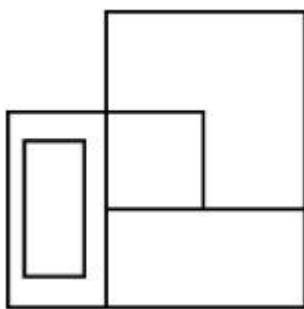


Options :

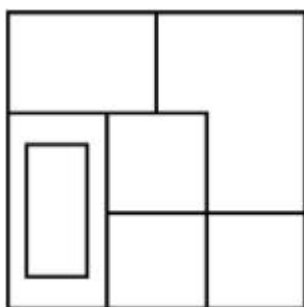
7155058335.



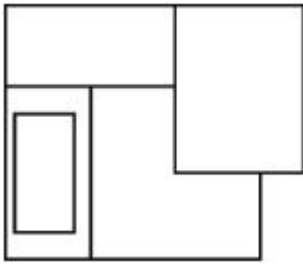
7155058336.



7155058337.



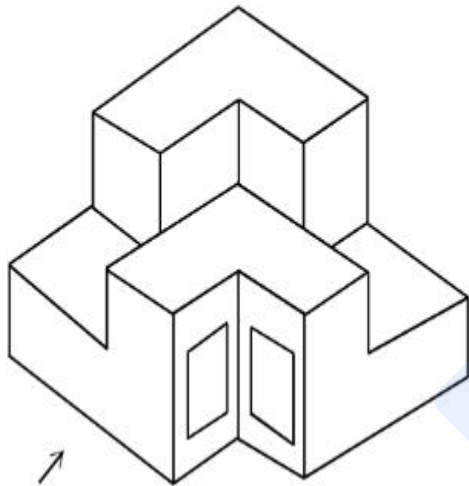
7155058338.



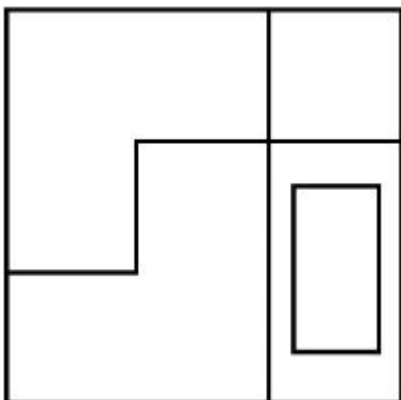
Question Number : 73 Question Id : 7155052641 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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.

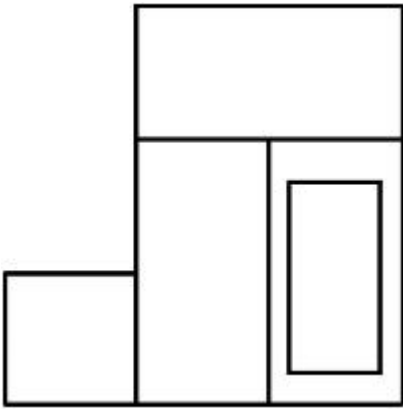


Options :

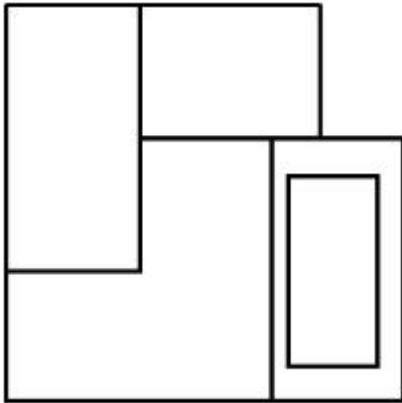


7155058339.

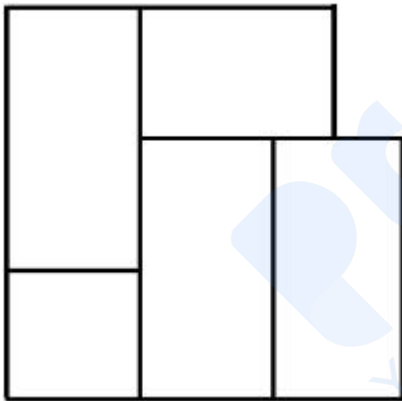
7155058340.



7155058341.



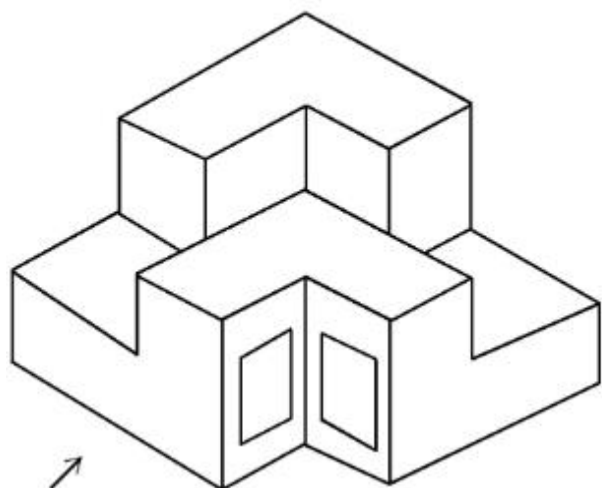
7155058342.



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

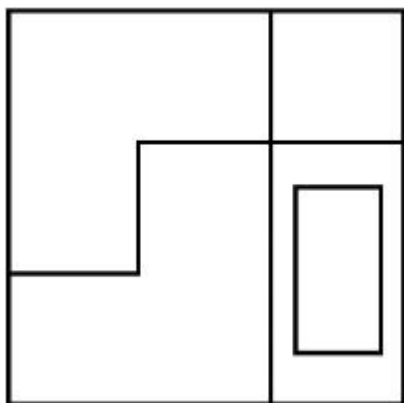
Correct Marks : 4 Wrong Marks : 1

दिये गये 3-D दृश्य का तीर की दिशा में देखते हुये, सम्मुख दृश्य विकल्पों में चुनें।

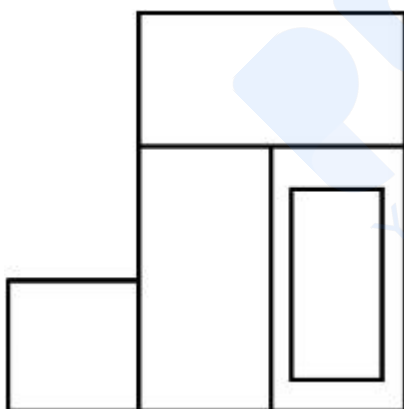


Options :

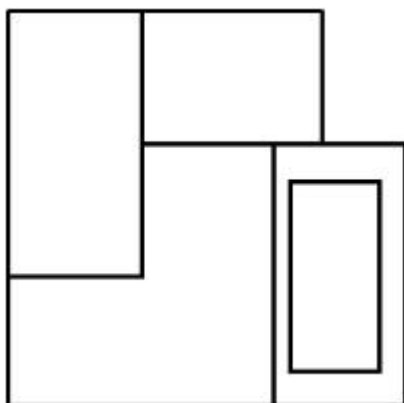
7155058339.



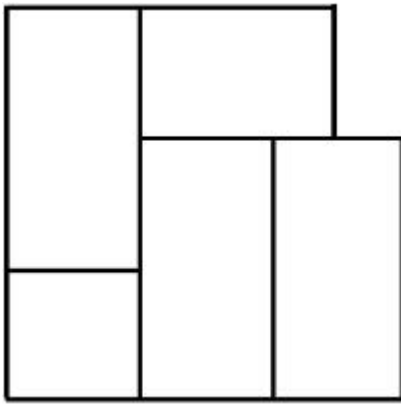
7155058340.



7155058341.



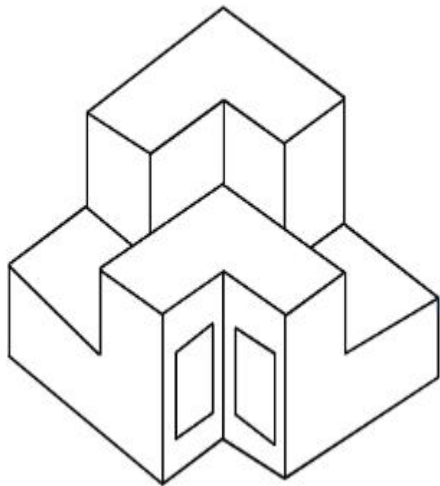
7155058342.



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

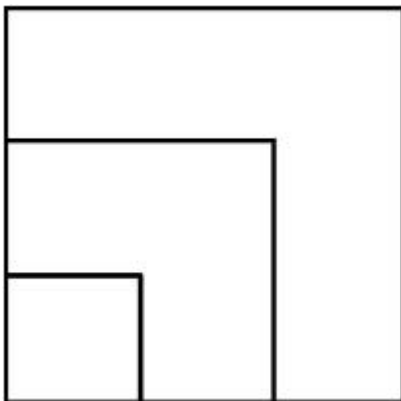
Correct Marks : 4 Wrong Marks : 1

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

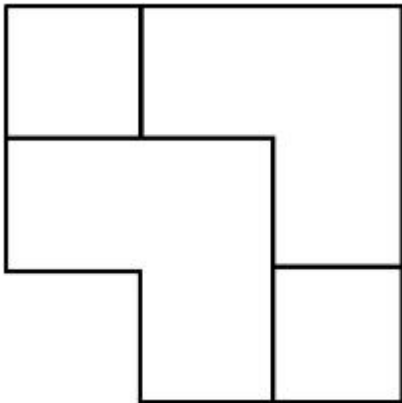
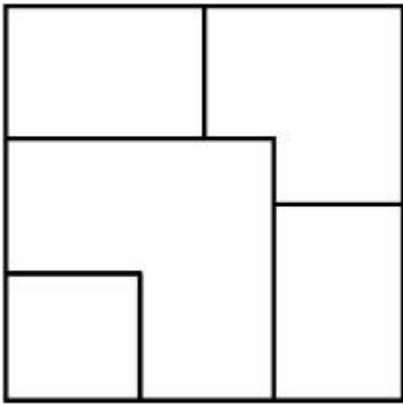


Options :

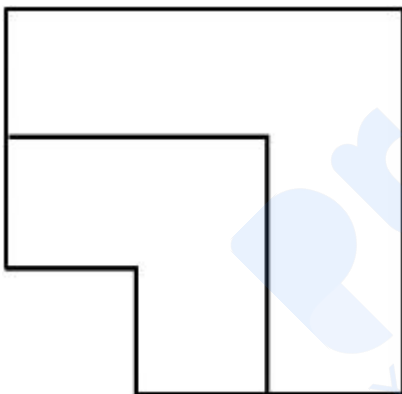
7155058343.



7155058344.



7155058345.

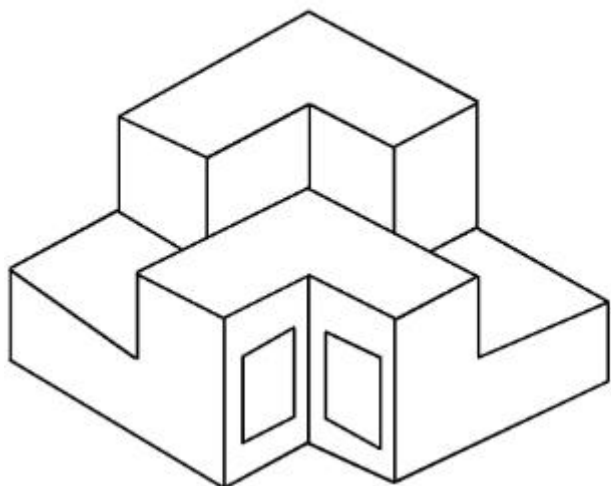


7155058346.

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

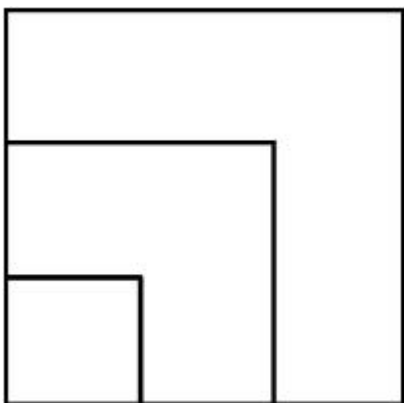
Correct Marks : 4 Wrong Marks : 1

दिये गये विकल्पों में से 3-D दृश्य का ऊपरी दृश्य चुनें।

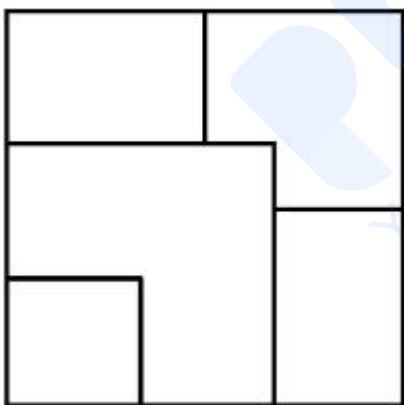


Options :

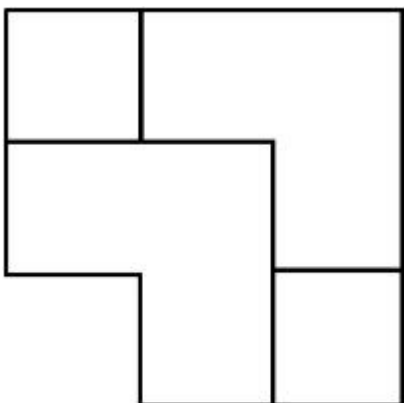
7155058343.

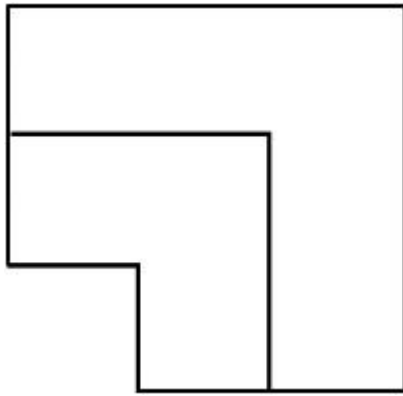


7155058344.



7155058345.



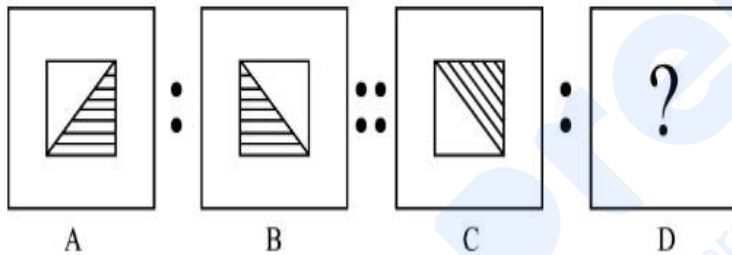


7155058346.

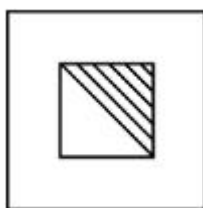
Question Number : 75 Question Id : 7155052643 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

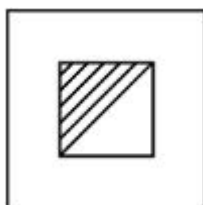
The second figure in the first part of the problem figures bears certain relationship to the first figure. Similarly, one of the figures of answer figures bears the same relationship to the first figure of the second part. Identify the correct option from the given answer figures.



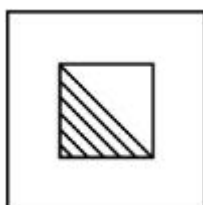
Options :



7155058347.

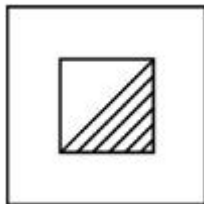


7155058348.



7155058349.

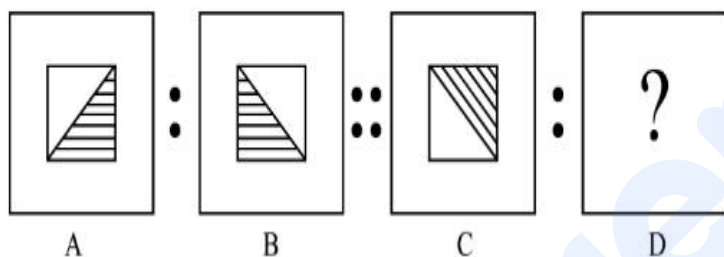
7155058350.



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

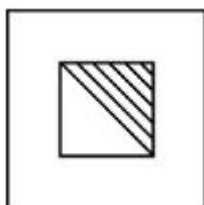
Correct Marks : 4 Wrong Marks : 1

प्रश्न में दिया गया दूसरा चित्र पहले चित्र से किसी प्रकार सम्बन्धित है। उसी प्रकार दूसरे भाग में सम्बन्ध दिखाता हुआ सही विकल्प चुनें।

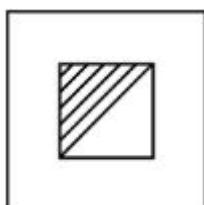


Options :

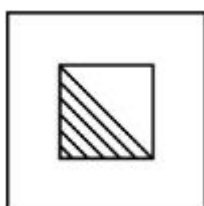
7155058347.



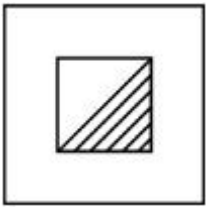
7155058348.



7155058349.



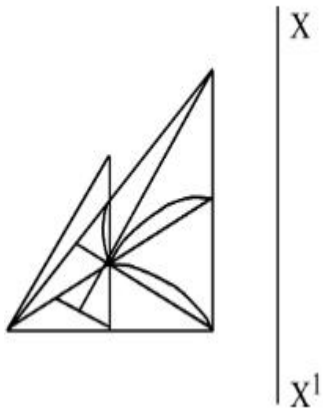
7155058350.



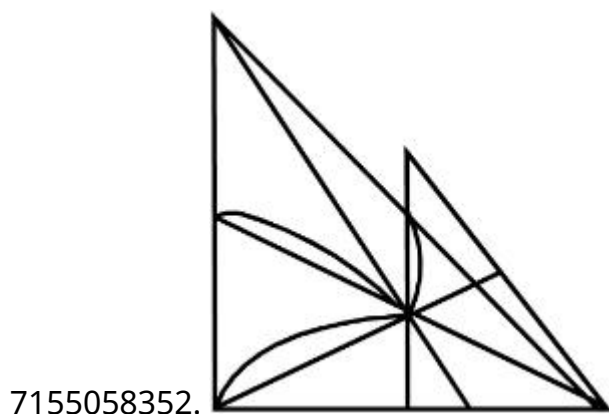
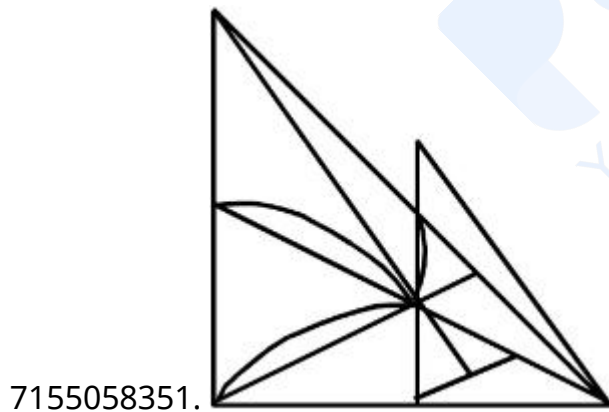
Question Number : 76 Question Id : 7155052644 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

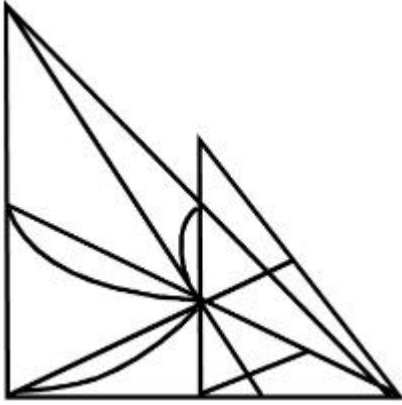
Identify the true mirror image of the figure amongst the answer figures with respect to X-X



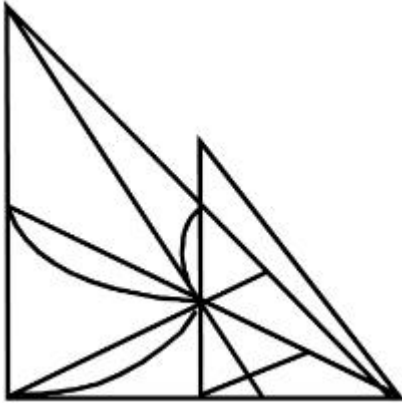
Options :



7155058353.



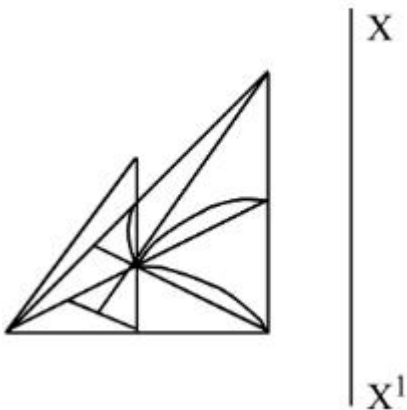
7155058354.



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

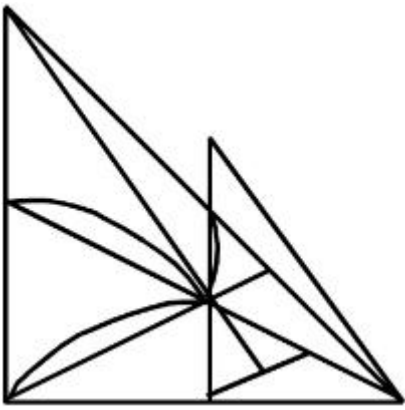
Correct Marks : 4 Wrong Marks : 1

X-X के आधार पर दिये गये चित्र का दर्पण प्रतिबिम्ब ज्ञात करें।

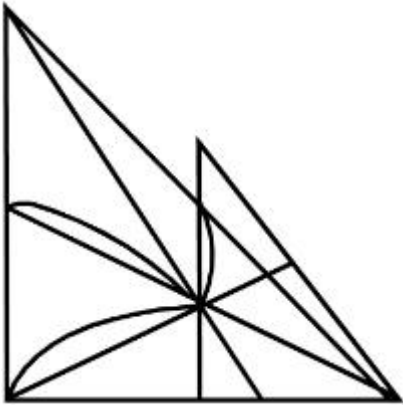


Options :

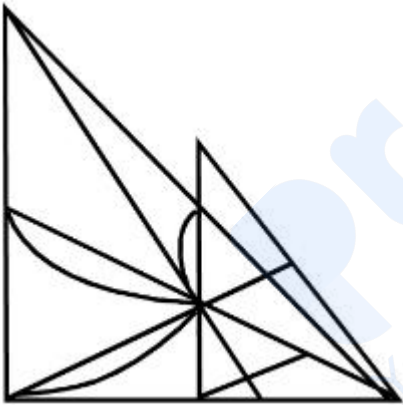
7155058351.



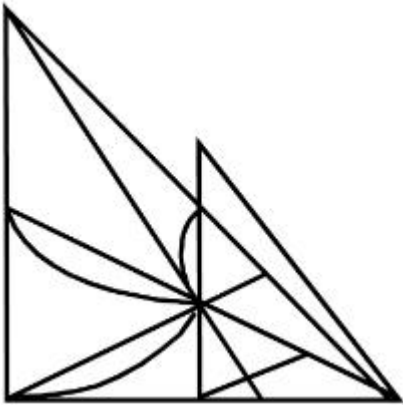
7155058352.



7155058353.



7155058354.

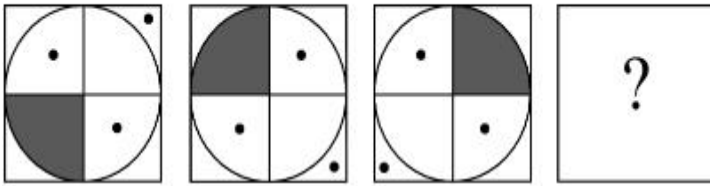


Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

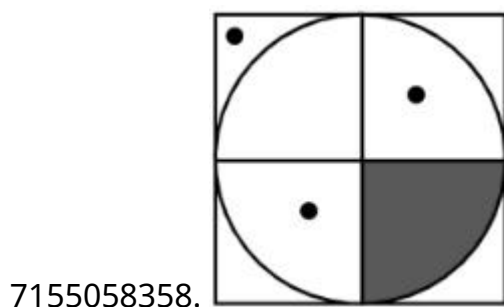
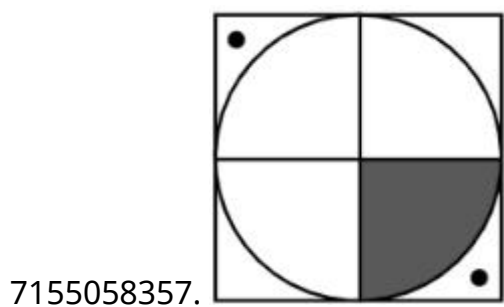
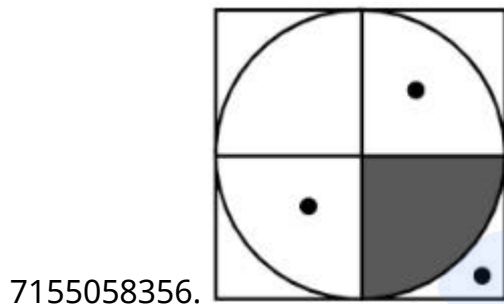
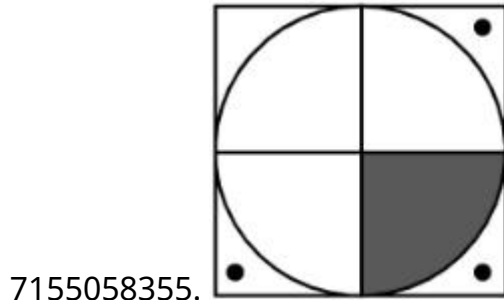
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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



Options :



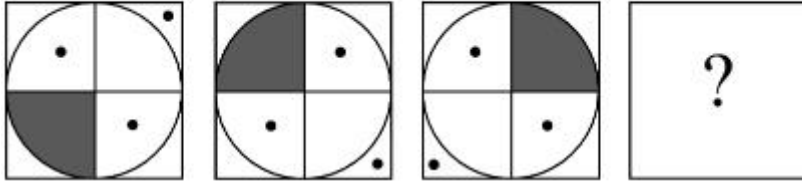
Question Number : 77 Question Id : 7155052645 Question Type : MCQ Option Shuffling : Yes 15

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

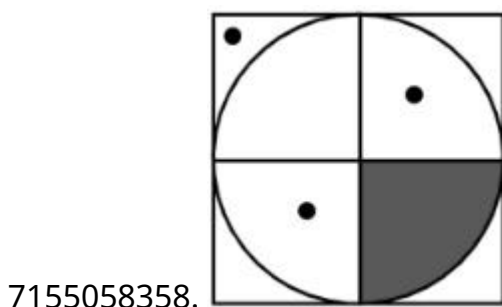
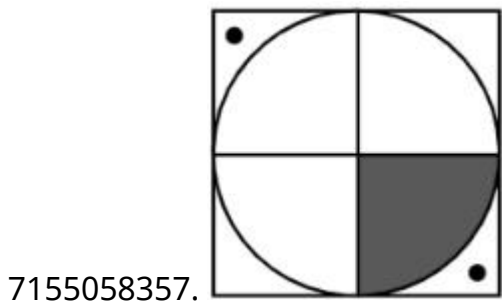
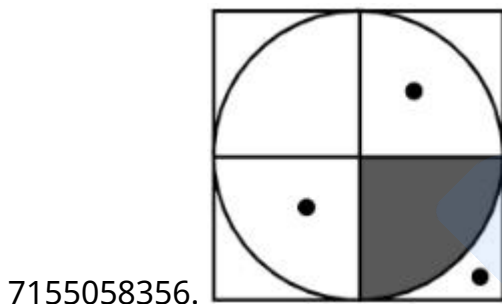
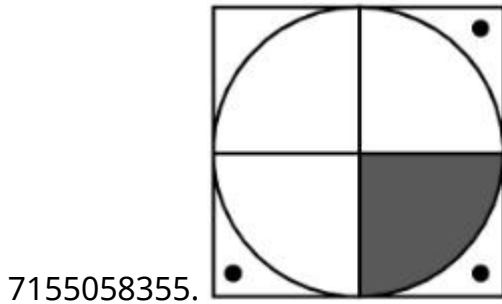
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दिये गये विकल्पों में श्रृंखला को पूरा करने वाला विकल्प चुनें।



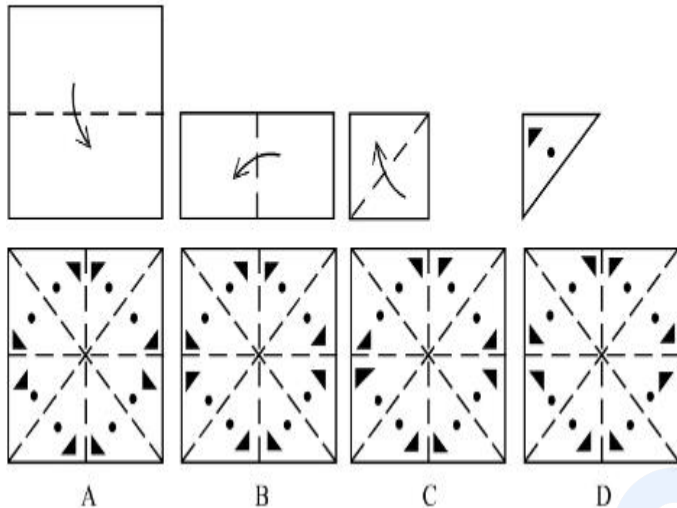
Options :



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**

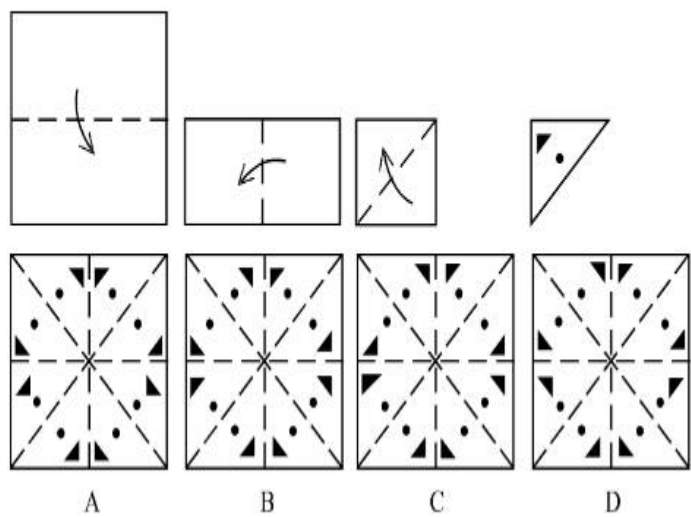
7155058361. **D**

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

पेपर को दी गई श्रृंखला में मोड़ा जाता है एवं उसे दिये गये चित्र की तरह काट दिया जाता है। पेपर खोलने पर कैसा दिखेगा दिये गये विकल्पों में चुनें।



Options :

7155058359. B

7155058360. A

7155058361. D

7155058362. C

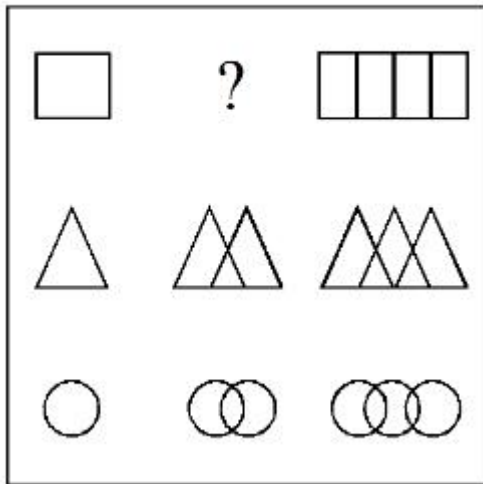
Question Number : 79 Question Id : 7155052647 Question Type : MCQ Option Shuffling : Yes Is

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

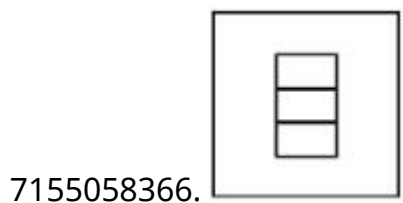
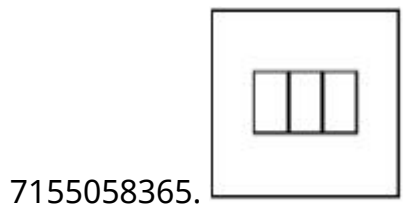
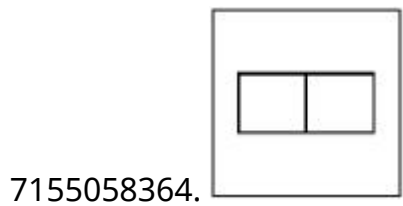
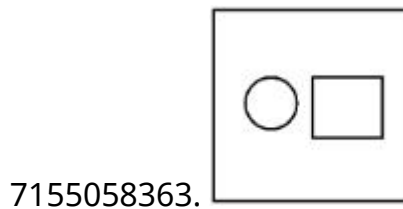
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In the figure mentioned below find the missing series:-

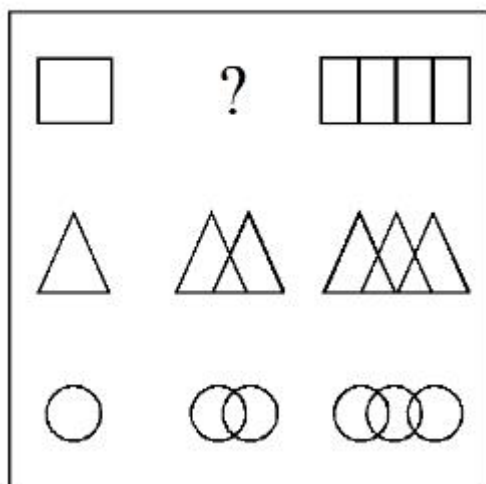


Options :

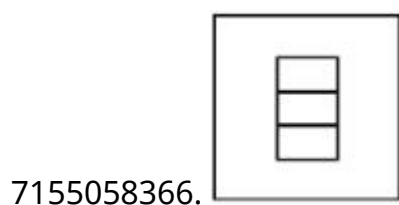
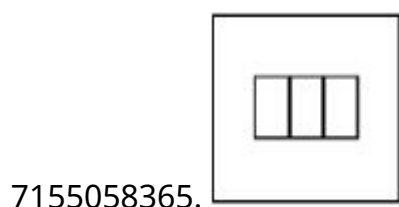
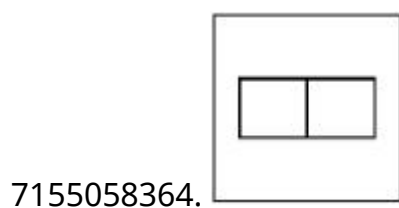
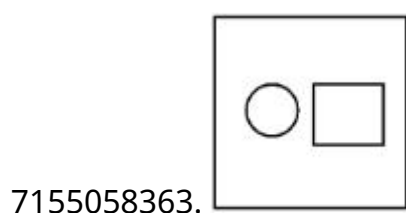


Question Number : 79 Question Id : 7155052647 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

प्रश्न में दिये गये खोये हुये श्रृंखला को, विकल्पों में से चुनें।

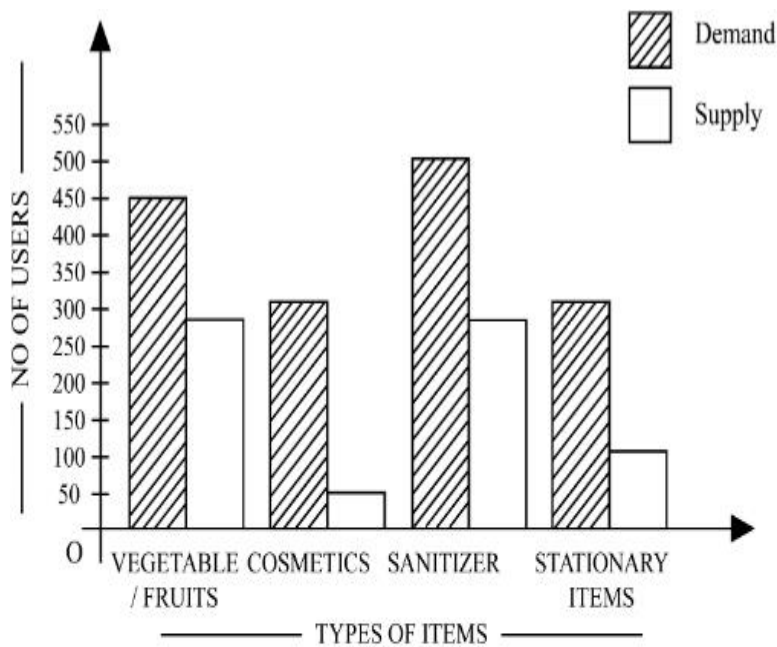


Options :



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

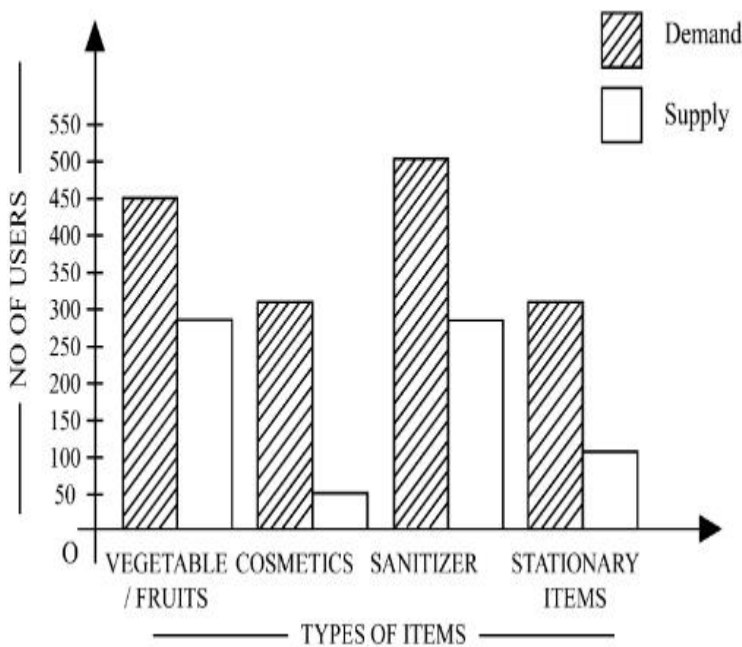
7155058370. B, C and D only

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



दिया गया चित्र अलग-अलग वस्तुओं की अलग अलग उपभोक्ताओं के लिये माँग एवं आपूर्ति दर्शाता है। निम्न में कौन सा सही है?

- A. सेनिटाइजर केवल 50% माँग पूर्ति करता है।
- B. कॉस्मेटिक्स सबसे कम आपूर्ति है।
- C. सब में, दो वस्तुओं की एक ही माँग है परन्तु आपूर्ति अलग अलग है।
- D. सब में दो वस्तुओं की बराबर आपूर्ति है एवं दो की बराबर माँग है।

सही विकल्प चुनें।

Options :

7155058367. B एवं D केवल

7155058368. A एवं B केवल

7155058369. A एवं C केवल

7155058370. B, C एवं D केवल

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

दिये गये संदर्भ प्रतिमा के सट्टे रेखाचित्र बनाएं। अपने पसंद के श्वेत कृष्ण प्रस्तुतीकरण के तंत्र का उपयोग कीजिए।



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

मोटर साइकिल में मिलने वाले 2D आकारों का प्रयोग करके अपनी पसंद की 2D रचना का निर्माण कीजिए, अपनी पसंद के किन्हीं तीन रंगों का उपयोग करके उसे रंग दीजिए।