

National Testing Agency

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

B ARCH

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

Mathematics Section A

Section Id :	715505159
Section Number :	1

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

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

Correct Marks : 4 Wrong Marks : 1

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

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

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

Options :

7155058081. R_1 is transitive but R_2 is not transitive

7155058082. R_2 is transitive but R_1 is not transitive

7155058083. Both R_1 and R_2 are transitive

7155058084. Neither R_1 nor R_2 is transitive

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

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਮੰਨ ਲਓ \mathbb{R}^2 ਤੇ ਦੋ ਸੰਬੰਧ R_1 ਅਤੇ R_2 ਪਰਿਭਾਸ਼ਾ ਹਨ:

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

(a, b) R_2 (c, d) ਜੇਕਰ $a + d \geq b + c$. ਤੱਦ

Options :

7155058081. R_1 ਸਕਰਮਕ ਹੈ ਪਰੰਤ R_2 ਸਕਰਮਕ ਨਹੀਂ ਹੈ ।

7155058082. R_2 ਸਕਰਮਕ ਹੈ ਪਰੰਤ R_1 ਸਕਰਮਕ ਨਹੀਂ ਹੈ ।

7155058083. ਦੋਵੇਂ R_1 ਅਤੇ R_2 ਸਕਰਮਕ ਹਨ ।

7155058084. ਨਾ ਹੀ R_1 ਅਤੇ ਨਾ ਹੀ R_2 ਸਕਰਮਕ ਹਨ ।

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

ਮੰਨ ਲਉ α ਅਤੇ β , $x^2 - 3x + 9 = 0$ ਦੇ ਮੂਲ ਹਨ ਤੱਦ $\left(\frac{\beta^{30}}{(9\alpha)^{10}} + \frac{\alpha^{30}}{(9\beta)^{10}} \right)^2$ ਬਰਾਬਰ ਹੈ :

Options :

7155058085. 1

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

7155058087. 3

7155058088. 9

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

Correct Marks : 4 Wrong Marks : 1

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

Options :

7155058089. 1153

7155058090. 947

7155058091. 537

7155058092. 837

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

Correct Marks : 4 Wrong Marks : 1

$z = 2 + 5i$ ਲਈ, $2z^3 + 21z^2 - 58z + 4$ ਦਾ ਨਿਰਪੇਖ ਮਾਪਕ ਹੈ :

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

ਜੇਕਰ ਸਮੀਕਰਨਾਂ ਦੀ ਪ੍ਰਣਾਲੀ

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

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

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

ਦੇ ਕਈ ਅਸੀਮਿਤ ਹੱਲ ਹਨ ਤਦ K^2 ਹੈ:

Options :

7155058093. 27

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

7155058095. 9

7155058096. 3

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

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

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

Options :

7155058097. $2\sqrt{3}$

7155058098. $2\sqrt{2}$

7155058099. 4

7155058100. 2

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

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$\alpha, \beta \in \mathbb{R}$ ਲਈ, $A*B = A^2 + B^2$, ਜੇਕਰ ਮੈਟ੍ਰਿਕਸਾਂ $A = \begin{pmatrix} \alpha & 0 \\ 0 & \beta \end{pmatrix}$, $B = \begin{pmatrix} \alpha & 0 \\ 0 & \alpha \end{pmatrix}$, $I = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$ ਸਮੀਕਰਨ $(A*B)*2I = 20I$ ਨੂੰ ਸੰਤੁਸ਼ਟ ਕਰਦੇ ਹਨ ਜਿੱਥੇ ਦੁਆਰਾ ਪਰਿਭਾਸ਼ਿਤ ਕੀਤਾ ਗਿਆ ਹੈ ਤਦ $|\alpha\beta|$ ਦਾ ਮੁੱਲ ਬਰਾਬਰ ਹੈ :

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

ਲੜੀ $\frac{1}{1+1^2+1^4} + \frac{2}{1+2^2+2^4} + \frac{3}{1+3^2+3^4} + \dots$ ਦੇ ਪਹਿਲੇ (11) ਪਦਾਂ ਦਾ ਜੋੜ ਹੈ :

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

ਜੇਕਰ $\lim_{x \rightarrow 0} (1 + 3x)^{\frac{x+2}{x}}$ ਬਰਾਬਰ ਹੈ :

Options :

7155058105. e

7155058106. e^3

7155058107. e^6

7155058108. e⁹

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

Correct Marks : 4 Wrong Marks : 1

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

Options :

7155058109. 90

7155058110. 180

7155058111. 360

7155058112. 270

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

Correct Marks : 4 Wrong Marks : 1

ਮੰਨ ਲਓ $P(\alpha, \beta, \lambda)$ ਬਿੰਦੂ $Q(1,2,0)$ ਦੀ ਰੇਖਾ $\frac{x-5}{3} = \frac{y-12}{1} = \frac{z-10}{2}$, ਵਿੱਚ ਪ੍ਰਤੀਬਿੰਬ ਹੈ ਤਦ $(PQ)^2$ ਬਰਾਬਰ ਹੈ:

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

ਇੱਕ ਬਕਸੇ ਵਿੱਚ 7 ਲਾਲ ਅਤੇ 9 ਚਿੱਟੀਆਂ ਗੋਦਾਂ ਮੌਜੂਦ ਹਨ। ਤਦ 8 ਗੋਦਾਂ ਇਸ ਤਰ੍ਹਾਂ ਕੱਢੀਆਂ ਜਾਣ ਤਾਂ ਜੋ ਘੱਟ ਤੋਂ ਘੱਟ ਤਿੰਨ ਗੋਦਾਂ ਇੱਕ ਹੀ ਰੰਗ ਦੀਆਂ ਹੋਣ ਵਾਲੇ ਤਰੀਕਿਆਂ ਦੀ ਗਿਣਤੀ ਹੈ:

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

ਮੰਨ $[t]$ ਅਧਿਕਤਮ ਸੰਪੂਰਨ ਸੰਖਿਆ ਫਲਨ ਦਰਸਾਉਂਦਾ ਹੈ ਜੇਕਰ $\int_0^1 [1+x^2+x^4] dx = a$,

$36a - 25a^2 + 8a^3 - a^4$ ਬਰਾਬਰ ਹੈ:

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

ਮੰਨ ਲਓ $PL = 8$ ਇਕਾਈ ਅਤੇ $QM = 2$ ਦੇ ਸਮਾਨਾਂਤਰ ਰੇਖਾਖੰਡ ਇਸ ਤਰ੍ਹਾਂ ਹਨ ਕਿ ਰੇਖਾਖੰਡ PL ਅਤੇ QM ਬਿੰਦੂ R ਉੱਤੇ ਕੱਟਦੇ ਹਨ। ਜੇਕਰ PL ਅਤੇ QM ਬਿੰਦੂਆਂ P, Q, R ਵਿੱਚੋਂ ਲੰਘਣ ਵਾਲੇ ਚੱਕਰ ਨੂੰ ਸਪਰਸ਼ ਰੇਖਾਵਾਂ ਹਨ ਤਦ ਚੱਕਰ ਦਾ ਅਰਧ ਵਿਆਸ ਹੈ:

Options :

7155058121. $\sqrt{2}$

7155058122. 2

7155058123. $2\sqrt{2}$

7155058124. 4

Question Number : 12 Question Id : 7155052580 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Options :

7155058125. 117

7155058126. 129

7155058127. 131

7155058128. 133

Question Number : 12 Question Id : 7155052580 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਮੰਨ ਲਉ $\alpha \in \mathbb{N}$, ਅਤੇ PQR ਇੱਕ ਤ੍ਰਿਭੁਜ ਹੈ ਜਿਸਦੇ P(2, 5) ਅਤੇ Q(α , -11) ਦੇ ਸਥਿਰ ਸਿਖਰ ਹਨ । ਜੇਕਰ ਬਿੰਦੂ R ਰੇਖਾ $l_1: 9x + 7y + \alpha = 0$ ਉੱਤੇ ਹੈ, ਤੱਦ ΔPQR ਦਾ ਕੇਂਦਰਕ ਰੇਖਾ l_2 ਦੇ 'ਤੇ ਚੱਲਦਾ ਹੈ ਹੈ ਜੋ ਕਿ ਰੇਖਾ l_1 ਦੇ ਸਮਾਂਤਰ ਅਤੇ ਇਸ ਤੋਂ $\frac{20}{3\sqrt{130}}$ ਇਕਾਈਆਂ ਦੂਰੀ 'ਤੇ ਹੈ । ਜੇਕਰ ਬਿੰਦੂ Q, ਰੇਖਾ l_2 ਤੋਂ $\frac{k}{3\sqrt{130}}$ ਦੀ ਦੂਰੀ 'ਤੇ ਹੈ, ਤੱਦ k ਦਾ ਮੁੱਲ ਬਰਾਬਰ ਹੈ:

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

ਮੰਨ ਲਉ $A_i(x_i, y_i), i = 1, 2, 3$ ਚੱਕਰ $x^2 + y^2 = 10$ ਉੱਪਰ ਬਿੰਦੂ ਹਨ ਜੱਦਕਿ A_1 ਪਹਿਲੇ ਭਾਗ ਵਿੱਚ ਹੈ, ਅਤੇ ਇਹ ਬਿੰਦੂ A_2, y -ਧੁਰੇ ਦੀ ਬਾਬਤ ਪ੍ਰਤਿਬਿੰਬ ਹੈ। ਜੇਕਰ A_1 ਦੀ ਹਰੇਕ ਬਿੰਦੂ A_2 ਅਤੇ A_3 ਤੋਂ ਦੂਰੀ 2 ਹੈ, ਤੱਦ $\Delta A_1 A_2 A_3$ ਖੇਤਰਫਲ ਦਾ ਵੀਹ ਗੁਣਾ ਹੈ:

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

ਜਦੋਂ 7^{89} ਨੂੰ ਨਾਲ ਭਾਗ ਕੀਤਾ ਗਿਆ ਹੈ ਤਾਂ ਬਾਕੀ ਹੈ:

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

ਜੇਕਰ ਤੱਲ $y = \alpha x - \beta y + \gamma$ ਜੋ ਕਿ ਬਿੰਦੂ $(1, -1, 3)$ ਵਿੱਚੋਂ ਲੰਘਦਾ ਹੈ ਅਤੇ ਹਰੇਕ ਤੱਲ $2x + y + z = 1$ ਅਤੇ $3x - 2y + 2z = 0$ ਨੂੰ ਲੰਬ ਹੈ ਤੱਦ $\alpha + \beta + \gamma$ ਬਰਾਬਰ ਹੈ:

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

$\vec{r} \times \vec{a} = \left(\vec{b} + \vec{c} \right) \times \vec{a}$ and $\vec{r} \cdot \left(\vec{b} - \vec{c} \right) = 0$, then $\vec{r} \cdot \left(\hat{i} + \hat{j} - \hat{k} \right)$ 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

ਮੰਨ ਲਉ $\vec{a} = \hat{i} + 2\hat{j} + 3\hat{k}$, $\vec{b} = \hat{i} - \hat{j} + 2\hat{k}$, $\vec{c} = 2\hat{i} + \hat{j} - 4\hat{k}$ ਤਿੰਨ ਵੈਕਟਰ ਹਨ। ਜੇਕਰ \vec{r} ਇੱਕ ਵੈਕਟਰ ਹੈ ਜਦਕਿ $\vec{r} \times \vec{a} = (\vec{b} + \vec{c}) \times \vec{a}$ ਅਤੇ $\vec{r} \cdot (\vec{b} - \vec{c}) = 0$ ਅਤੇ \vec{r} ਤੱਦ $\vec{r} \cdot (\hat{i} + \hat{j} - \hat{k})$ ਬਰਾਬਰ ਹੈ:

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

ਸਮੀਕਰਣ $1+x+x^2+\dots+x^{118}=0$ ਦੇ ਬੇਤਰਤੀਬੇ ਢੰਗ ਨਾਲ ਚੁਣੇ ਗੱਲ ਦੀ ਸਮੀਕਰਨ $x^7=1$ ਨੂੰ ਸੰਤੁਸ਼ਟ ਕਰਨ ਦੀ ਸੰਭਾਵਣਾ ਹੈ :

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

ਮੰਨ ਲਓ X ਦੇ ਪਦੀ $B(n, p)$ ਹੈ। ਜੇਕਰ ਇਸਦਾ ਮੱਧਮਾਨ 3 ਅਤੇ ਪ੍ਰਸਾਰਨ 2 ਹੈ $P(X < \frac{n}{4})$

ਬਰਾਬਰ ਹੈ:

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

ਫਲਨ $f(x) = \cos^{-1}\left(\frac{x^2 - 3x + 2}{x^2 + 2x - 1}\right)$ ਦਾ ਪ੍ਰਾਂਤ ਹੈ:

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

ਹੇਠ ਲਿਖੇ ਕਥਨਾਂ ਵਿੱਚੋਂ ਕਿਹੜਾ ਕਥਨ ਇੱਕ ਪੁਨਰ ਉਕਤੀ (ਟਾਟੋਲਜੀ) ਹੈ ?

Options :

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

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

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

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

Mathematics Section B

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

Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	715505160
Question Shuffling Allowed :	Yes
Is Section Default? :	null

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

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

Correct Marks : 4 Wrong Marks : 1

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

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

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

Correct Marks : 4 Wrong Marks : 1

ਵਕਰ $y = x^2 + 1$, $y + |x| = 3$ ਅਤੇ $y = |x-1|$ ਨਾਲ ਘਿਰੇ ਖੇਤਰਫਲ ਨੂੰ ਅਨੁਪਾਤ $m : n$ ਵਿੱਚ ਵੰਡਦੀ ਹੈ ਜਿੱਥੇ m ਅਤੇ n ਸਹਿ ਅਭਾਜ ਸੰਖਿਆਵਾਂ ਹਨ।
ਤਦ $m+n$ ਬਰਾਬਰ _____ ਹੈ।

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 ਇੱਕੋ ਜਿਹੇ ਪੈਨਾਂ ਨੂੰ 12 ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਇੱਸ ਤਰ੍ਹਾਂ ਵੰਡਣਾ ਹੈ ਕਿ ਹਰੇਕ ਵਿਦਿਆਰਥੀ ਕੋਲ ਘੱਟੋ ਘੱਟ ਇੱਕ ਪੈਨ ਅਤੇ ਸਿਰਫ ਦੋ ਵਿਦਿਆਰਥੀਆਂ ਕੋਲ ਘੱਟੋ ਘੱਟ ਦੋ ਪੈਨ ਆਉਣ ਦੇ ਤਰੀਕਿਆਂ ਦੀ ਗਿਣਤੀ _____ ਹੈ ।

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

ਮੰਨ ਲਓ $(1+x^2-x^4)^{12} = \sum_{n=0}^{48} a_n x^n$, ਤਦ $a_0 + a_2 + a_4 + \dots + a_{44}$ _____ ਹੈ।

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

ਜੇਕਰ S_n ਲੜੀ $7 + 10 + 16 + 25 + 37 + \dots$, ਦੇ ਪਹਿਲੇ n ਪਦਾਂ ਦਾ ਜੋੜ ਦਰਸਾਉਂਦਾ ਹੈ, ਤਾਂ $S_{30} - S_{20}$ ਬਰਾਬਰ _____ ਹੈ।

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

ਮੰਨ ਲਉ $[t]$ ਅਧਿਕਤਮ ਸੰਪੂਰਨ ਸੰਖਿਆ $\leq t$ ਨੂੰ ਦਰਸਾਉਂਦਾ ਹੈ, ਤੱਦ ਖੁੱਲ੍ਹੇ ਅੰਤਰਾਲ $(-10, 10)$ ਵਿੱਚ ਜਿਸ ਉੱਤੇ ਫਲਨ $f(x) = [x+x^3] + |x-x^3| + \left|x + \frac{1}{2}\right|$ ਡਿਫਰੈਂਸ਼ੀਏਬਲ ਨਹੀਂ ਹੈ, ਤੱਦ ਖੁੱਲ੍ਹੇ ਅੰਤਰਾਲ ਉਹਨਾਂ ਬਿੰਦੂਆਂ ਦੀ ਗਿਣਤੀ _____ ਹੈ।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

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

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

Correct Marks : 4 Wrong Marks : 1

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

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

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

Correct Marks : 4 Wrong Marks : 1

$\int \frac{dx}{(3x^2+5)\sqrt{10x^2+7}} = -\frac{1}{\sqrt{580}} \log_e |f(x)| + C$ ਜਿੱਥੇ C ਇੱਕ ਅਚਲ ਹੈ ਤਦ $f(0)$ ਬਰਾਬਰ _____ ਹੈ।

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

ਮੰਨ ਲਉ ਹਾਈਪਰਬੋਲਾ ਜਿਸਦਾ ਫੋਕਸ $(1, 5)$, $(1, -1)$ ਅਤੇ ਅਸਮਕੇਂਦਰਤਾ $\sqrt{3}$ ਹੈ ਦੀ ਸਮੀਕਰਨ $x^2 - 2y^2 + ax + by + c = 0$ ਹੈ । ਤੱਦ $|a + b + c|$ ਬਰਾਬਰ _____ ਹੈ ।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

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

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

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

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

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

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

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

ਮੰਨ ਲਉ α ਦੀਆਂ α_1, α_2 ਦੇ ਕੀਮਤਾਂ ਹਨ ਜਦੋਂ ਬਿੰਦੂ $(2, 4, 3)$ ਅਤੇ ਤੱਲ $3x + y + \alpha z + 10 = 0$ ਵਿੱਚਕਾਰ ਦੂਰੀ $\sqrt{35}$ ਇਕਾਈਆਂ ਹੈ। ਤੱਦ ਤਿੰਨੁਜ ਜਿਸਦੇ ਸਿਖਰ $(\alpha_1, \alpha_2, 0), (\alpha_2, \alpha_1, 0)$ ਅਤੇ $(\frac{164}{13}, 5, 0)$ ਹਨ ਦਾ ਖੇਤਰਫਲ _____ ਇਕਾਈ² ਹੈ।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

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

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

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

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

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

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

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

0 ਨੂੰ ਮੁੱਢ ਲੈਂਦੇ ਹੋਏ, ਮੰਨ ਲਉ ਵੈਕਟਰ $\vec{OA} = -3\hat{i} + 7\hat{j} + 5\hat{k}$, $\vec{OB} = -5\hat{i} + 7\hat{j} - 3\hat{k}$ ਅਤੇ $\vec{OC} = \hat{u}$ ਇੱਕ ਸਮਾਂਤਰ ਚਤੁਰਭੁਜ ਦੀਆਂ ਤਿੰਨ ਭੁਜਾਵਾਂ ਦਰਸਾਉਂਦੇ ਹਨ ਜਿੱਥੇ \hat{u}, xy ਪੂਰੇ ਵਿੱਚ ਇਕਾਈ ਵੈਕਟਰ ਹੈ। ਜੇਕਰ ਸਮਾਂਤਰ ਛੁੱਟਲਕ (parallelepiped) ਦਾ ਅਧਿਕਤਮ ਆਇਤਨ $2\sqrt{\alpha}$ ਹੈ, ਤਾਂ α ਬਰਾਬਰ _____ ਹੈ।

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

ਮੰਨੋ ਭਿੰਨਾਤਮਕ ਸਮੀਕਰਨ $\frac{x+y-2}{x+y-1} \frac{dy}{dx} = \frac{x+y+2}{x+y+1}$, $x+y > 2$ ਦੀ ਹੱਲ ਵੱਤਰ ਬਿੰਦੂਆਂ $(\sqrt{2}, \sqrt{2})$ ਅਤੇ $(2, a)$,

ਤਦ $2a - \log_e \left(\frac{a^2 + 4a + 2}{6} \right)$ ਬਰਾਬਰ _____ ਹੈ।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Aptitude Test

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

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Adobe is a

Options :

7155058171. Type of cement

7155058172. Type of floor finish

7155058173. Type of paint

7155058174. Type of Brick

Question Number : 31 Question Id : 7155052599 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਅਡੋਬ ਹੈ:

Options :

7155058171. ਇੱਕ ਪ੍ਰਕਾਰ ਦਾ ਸੀਮੇਂਟ

7155058172. ਮੰਜ਼ਿਲ ਮੁਕੰਮਲ

7155058173. ਰੰਗਤ

7155058174. ਇੱਕ ਪ੍ਰਕਾਰ ਦੀ ਇੱਟ

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

ਹੇਠਾਂ ਦੇ ਕਥਨ ਦਿੱਤੇ ਗਏ ਹਨ:

ਕਥਨ I: ਚੰਡੀਗੜ੍ਹ ਆਜ਼ਾਦ ਭਾਰਤ ਦਾ ਪਹਿਲਾਂ ਯੋਜਨਾਬੱਧ ਸ਼ਹਿਰ ਹੈ।

ਕਥਨ II: ਚੰਡੀਗੜ੍ਹ ਨੂੰ ਸਵਿਸ ਫ੍ਰੈਂਚ ਆਰਕਿਟੈਕਟ ਦੁਆਰਾ ਡਿਜ਼ਾਇਨ ਕੀਤਾ ਗਿਆ ਹੈ

ਉਪਰੋਕਤ ਕਥਨਾਂ ਦੇ ਆਧਾਰ ਉੱਤੇ ਹੇਠਾਂ ਦਿੱਤੇ ਵਿਕਲਪਾਂ ਵਿੱਚੋਂ ਸਭ ਤੋਂ ਢੁੱਕਵਾਂ ਉੱਤਰ ਚੁਣੋ:

Options :

7155058175. ਦੋਨੋ ਕਥਨ I ਅਤੇ ਕਥਨ II ਸਹੀ ਹਨ

7155058176. ਦੋਨੋ ਕਥਨ I ਅਤੇ ਕਥਨ II ਗਲਤ ਹਨ

7155058177. ਕਥਨ I ਸਹੀ ਹੈ ਪਰ ਕਥਨ II ਗਲਤ ਹੈ

7155058178. ਕਥਨ I ਗਲਤ ਹੈ ਪਰ ਕਥਨ II ਸਹੀ ਹੈ

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

ਹੇਠਾਂ ਦੇ ਵਾਕ ਦਿੱਤੇ ਗਏ ਹਨ:

ਕਥਨ I : ਕੱਚ ਦੀ ਘੱਟ ਚਾਲਕਤਾ ਹੈ

ਕਥਨ II : ਕੱਚ ਪ੍ਰਤੀਬਿੰਬ ਅਤੇ ਆਵਾਜ਼ਾਈ ਨੂੰ ਜਜ਼ਬ ਕਰ ਸਕਦਾ ਹੈ

ਉਪਰੋਕਤ ਕਥਨਾਂ ਦੇ ਆਧਾਰ ਉੱਤੇ ਹੇਠਾਂ ਦਿੱਤੇ ਵਿਕਲਪਾਂ ਵਿੱਚੋਂ ਸਭ ਤੋਂ ਢੁੱਕਵਾਂ ਉੱਤਰ ਚੁਣੋ:

Options :

7155058179. ਦੋਨੋ ਕਥਨ I ਅਤੇ ਕਥਨ II ਸਹੀ ਹਨ

7155058180. ਦੋਨੋ ਕਥਨ I ਅਤੇ ਕਥਨ II ਗਲਤ ਹਨ

7155058181. ਕਥਨ I ਸਹੀ ਹੈ ਪਰ ਕਥਨ II ਗਲਤ ਹੈ

7155058182. ਕਥਨ I ਗਲਤ ਹੈ ਪਰ ਕਥਨ II ਸਹੀ ਹੈ

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

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

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

Choose the correct answer from the options given below:

Options :

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

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

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

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

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

Correct Marks : 4 Wrong Marks : 1

ਸੂਚੀ I ਨੂੰ ਸੂਚੀ II ਨਾਲ ਮਿਲਾਓ

LIST I		LIST II	
A.	ਪੀਐਮਯੂਵਾਈ	I.	ਕੁਸ਼ਲਤਾ ਵਿਕਾਸ ਯੋਜਨਾ
B.	ਪੀਐਮਏਵਾਈ	II.	ਜਨ-ਧਨ ਯੋਜਨਾ
C.	ਪੀਐਕੇਵੀਵਾਈ	III.	ਉਜਵਲ ਯੋਜਨਾ
D.	ਪੀਐਮਜੇਡੀਵਾਈ	IV.	ਆਵਾਜ ਯੋਜਨਾ

ਹੇਠਾਂ ਦਿੱਤੇ ਵਿਕਲਪਾਂ ਵਿੱਚੋਂ ਸਹੀ ਉੱਤਰ ਚੁਣੋ:

Options :

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

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

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

ਸੂਚੀ I ਨੂੰ ਸੂਚੀ II ਨਾਲ ਮਿਲਾਓ

LIST I		LIST II	
A.	ਸੀਪੀਕੁਕਰੇਜ਼ਾ	I.	ਆਈ.ਆਈ.ਐਮ ਅਹਿਮਦਾਬਾਦ
B.	ਲੁਇਸ ਆਈ ਕਾਨ	II.	ਜਵਾਹਰ ਲਾਲ ਨਹਿਰੂ
C.	ਬੀ.ਵੀ.ਦੋਸ਼ੀ	III.	ਆਈ.ਆਈ.ਟੀ ਕਾਨਪੁਰ
D.	ਅਛਯੁਤ ਕਾਨਵੀਟੇ	IV.	ਆਈ.ਆਈ.ਐਮ ਬੈਰਾਲੁਰੂ

ਹੇਠਾਂ ਦਿੱਤੇ ਵਿਕਲਪਾਂ ਵਿੱਚੋਂ ਸਹੀ ਉੱਤਰ ਚੁਣੋ:

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

ਉਨ੍ਹਾਂ ਵਿੱਚੋਂ ਕਿਹੜਾ ਇੱਕ ਮੁਫਤ ਰੰਗ ਨਹੀਂ ਹੈ?

Options :

7155058191. ਨੀਲਾ-ਸੰਤਰੀ

7155058192. ਲਾਲ-ਹਰਾ

7155058193. ਨੀਲਾ-ਹਰਾ

7155058194. ਬੈਂਗਣੀ-ਪੀਲਾ

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

ਭਾਰਤ ਦੇ ਕਿਸ ਰਾਜ ਵਿੱਚ ਰਾਬਰਸ ਗੁਫ਼ਾ ਹੈ:

Options :

7155058195. ਹਿਮਾਚਲ ਪ੍ਰਦੇਸ਼

7155058196. ਉੱਤਰਾਖੰਡ

7155058197. ਉੱਤਰ-ਪ੍ਰਦੇਸ਼

7155058198. ਮੱਧ ਪ੍ਰਦੇਸ਼

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

ਹੇਠਾਂ ਦਿੱਤਿਆਂ ਵਿੱਚੋਂ ਸਹੀ ਵਿਕਲਪ ਚੁਣੋ:

ਪੈਟ੍ਰੋਨਾਸ ਮੀਨਾਰ ਕਿੱਥੇ ਸਥਿਤ ਹੈ:

Options :

7155058199. ਪੈਰਿਸ

7155058200. ਦੁਬਈ

7155058201. ਕੁਆਲਾ ਲੰਪੁਰ

7155058202. ਨਿਊਯਾਰਕ

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

ਕੇਨਾਰਕ ਮੰਦਰ ਕਿਸ ਰਾਜ ਵਿੱਚ ਹੈ?

Options :

7155058203. ਮੱਧ ਪ੍ਰਦੇਸ਼

7155058204. ਓਡੀਸ਼ਾ

7155058205. ਕਰਨਾਟਕ

7155058206. ਰਾਜਸਥਾਨ

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

ਕਮਲ ਮੰਦਰ ਦਾ ਆਰਕੀਟੈਕਟ ਹੈ?

Options :

7155058207. ਲੁਇਸ ਆਈ ਖਾਨ

7155058208. ਮੋਹਮੇ ਸੈਫਦੀ

7155058209. ਫਰਿਬੋਰਜ਼ ਸਭਾ

7155058210. ਰਿਚਰਡ ਮੇਯਰ

**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

ਭਾਰ ਚੁੱਕਣ ਲਈ ਇੱਕ ਛੋਟੀ ਲਿਫਟ ਨੂੰ ਕਿਹਾ ਜਾਂਦਾ ਹੈ:

Options :

7155058211. ਇੱਕ ਮਰੇ ਹੋਏ ਪਾਰਨੀ

7155058212. ਇੱਕ ਗੁੰਗੇ ਵਾਟਰ (ਵੇਟਰ)

7155058213. ਇੱਕ ਜੋਕੀ ਮੁੰਡਾ

7155058214. ਉੱਪਰ ਇੱਕ ਪੱਕਾ

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

Correct Marks : 4 Wrong Marks : 1

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

Options :

7155058215. Bhubaneshwar-Puri

7155058216. Puri-Cuttack

7155058217. Bhubaneshwar-Cuttack

7155058218. Bhubaneshwar-Rourkela

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

Correct Marks : 4 Wrong Marks : 1

ਜੇ ਅਕਸਰ ਉਡੀਸਾ ਦੇ ਦੋ ਸ਼ਹਿਰ ਵਜੋਂ ਦਰਸਾਉਂਦਾ ਹੈ

Options :

7155058215. ਭੁਵਨੇਸ਼ਵਰ-ਪੁਰੀ

7155058216. ਪੁਰੀ-ਕਟਕ

7155058217. ਭੁਵਨੇਸ਼ਵਰ-ਕਟਕ

7155058218. ਭੁਵਨੇਸ਼ਵਰ-ਰੁੜਕੇਲਾ

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

ਜੇ ਕਿ ਉਹਨਾਂ ਦੀ ਹੋਂਦ ਦੇ ਮੁੱਖੀ ਸੱਭਿਅਤਾ ਸ਼ਬਦ ਦਾ ਸਹੀ ਕਾਲਕ੍ਰਮ ਹੈ?

Options :

7155058219. ਮੈਸੋਪੋਟਾਮੀਆ-ਹੜੱਪਾ-ਮਿਸਰੀ-ਚੀਨੀ

7155058220. ਮੈਸੋਪੋਟਾਮੀਆ-ਮਿਸਰੀ-ਹੜੱਪਾ-ਚੀਨੀ

7155058221. ਮੈਸੋਪੋਟਾਮੀਆ-ਚੀਨੀ-ਹੜੱਪਾ-ਮਿਸਰੀ

7155058222. ਮਿਸਰੀ-ਮੈਸੋਪੋਟਾਮੀਆ-ਹੜੱਪਾ-ਸੁਮੇਰੀਅਨ

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

ਦਿੱਲੀ ਵਿੱਚ ਕੁਤੁਬ ਮੀਨਾਰ ਕਿਸਦੇ ਦੁਆਰਾ ਬਣਾਇਆ ਗਿਆ:

Options :

7155058223. ਸ਼ਾਹਜਹਾਂ

7155058224. ਜਹਾਂਗੀਰ

7155058225. ਅਕਬਰ

7155058226. ਕੁਤੁਬ ਓ-ਦੀਨ-ਐਬਕ

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

ਦੱਖਣੀ ਹੋਮਿ-ਗੋਲਾ ਵਿੱਚ ਤੁਹਾਨੂੰ ਸਾਲ ਭਰ ਵਿੱਚ ਪ੍ਰਤੀ (ਡਿਫਿਊਜ਼ਡ) ਰੋਸ਼ਨੀ ਦੀ ਚਮਕ ਮਿਲਦੀ ਹੈ?

Options :

7155058227. ਉੱਤਰ

7155058228. ਦੱਖਣ

7155058229. ਪੂਰਬ

7155058230. ਪੱਛਮੀ

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

ਜੈਪੁਰ ਦੇ ਮਸ਼ਹੂਰ ਜਵਾਹਰਲਾਲ ਕਲਾ ਕੰਪਲੈਕਸ ਦਾ ਆਰਕੀਟੈਕਟ ਹੈ?

Options :

7155058231. ਰਾਜ ਰੇਵਾਲ

7155058232. ਚਾਰਲਸ ਕੋਰੀਆ

7155058233. ਅਚਯੋਤ ਕਾਨਵੀਡੇ

7155058234. ਹਫ਼ੀਜ਼ ਕਾਨਟਰੈਕਟਰ

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

ਧਾਜ਼ੀ-ਕੇਵਾਰੀ ਦਾ ਪ੍ਰਸਿਧ ਰਚਨਾ ਸਟਾਇਲ ਕਿਹੜਾ ਹੈ

Options :

7155058235. ਤੱਟ ਦਾ ਖੇਤਰ

7155058236. ਮੈਦਾਨੀ

7155058237. ਪਹਾੜੀ-ਖੇਤਰ

7155058238. ਮਾਰੂਥਲ-ਖੇਤਰ

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

ਕਿਹੜਾ ਪੱਥਰ ਪਹਾੜੀ ਖੇਤਰ ਦੀ ਛੱਤ ਦੇ ਕੰਮ ਆਉਂਦਾ ਹੈ?

Options :

7155058239. ਮਾਰੂਥਲ

7155058240. ਗਰੇਨਾਈਟ

7155058241. ਸ਼ੈਲ

7155058242. ਸੈਂਡ-ਪੱਥਰ

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

ਚੰਡੀਗੜ੍ਹ ਕਿਸ ਪ੍ਰਕਾਰ ਦੀ ਸ਼ਹਿਰੀ ਪਲੈਨਿੰਗ ਦੀ ਉਦਾਹਰਣ ਹੈ।

Options :

7155058243. ਰੇਡੀਓ ਕੇਂਦਰੀ

7155058244. ਗਰਿਡ-ਆਇਰਨ

7155058245. ਲਿਨੀਅਰ

7155058246. ਆਰਗੈਨਿਕ

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

ਜੇਕਰ ਗੋਆ ਦੇ ਤੱਟ ਉੱਤੇ ਬਣਾਉਣਾ ਹੋਵੇ ਤਾਂ ਕਮਰੇ ਦਾ ਸਭ ਤੋਂ ਵਧਿਆ ਦ੍ਰਿਸ਼ ਹੋਵੇਗਾ।

Options :

7155058247. ਉੱਤਰ ਦਿਸ਼ਾ ਵਿੱਚ

7155058248. ਦੱਖਣ ਦਿਸ਼ਾ ਵਿੱਚ

7155058249. ਪੂਰਬੀ ਦਿਸ਼ਾ ਵਿੱਚ

7155058250. ਪੱਛਮ ਦਿਸ਼ਾ ਵਿੱਚ

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

Correct Marks : 4 Wrong Marks : 1

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

Options :

7155058251. B.V Doshi

7155058252. C.P Kukreja

7155058253. Raj Rewal

7155058254. Bimal Patel

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

Correct Marks : 4 Wrong Marks : 1

"NIFT" ਰਾਸ਼ਟਰ ਸੰਸਥਾ ਆਫ ਫੈਸ਼ਨ ਤਕਨਾਲੋਜੀ ਦਿੱਲੀ ਵਿੱਚ ਕਿਸ ਨੇ ਡਿਜ਼ਾਇਨ ਕੀਤਾ:

Options :

7155058251. ਬੀ.ਵੀ.ਦੋਸ਼ੀ

7155058252. ਸੀ.ਪੀ.ਕੁਕਰੇਜਾ





7155058253. ਰਾਜ ਰੇਵਲ

7155058254. ਬਿਮਲ ਪਟੇਲ

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

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

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

Choose the correct answer from the options given below:

Options :

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

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

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

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





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

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਸੁਚੀ। ਨੂੰ ਸੁਚੀ ॥ ਨਾਲ ਮਿਲਾਓ

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

ਹੇਠਾਂ ਦਿੱਤੇ ਵਿਕਲਪਾਂ ਵਿੱਚੋਂ ਸਹੀ ਉੱਤਰ ਚੁਣੋ:

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

ਸੁਚੀ। ਨੂੰ ਸੁਚੀ ॥ ਨਾਲ ਮਿਲਾਓ

LIST I		LIST II	
A.		I.	ਟੇਸਲਾ
B.		II.	ਫੀਰਾਚੀ
C.		III.	ਪੋਰਚੀ
D.		IV.	ਟੋਏਟਾ

ਹੇਠਾਂ ਦਿੱਤੇ ਵਿਕਲਪਾਂ ਵਿੱਚੋਂ ਸਹੀ ਉੱਤਰ ਚੁਣੋ:

Options :

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

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

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

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

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

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements:

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

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

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

Options :

7155058263. Both Statement I and Statement II are correct

7155058264. Both Statement I and Statement II are incorrect

7155058265. Statement I is correct but statement II is incorrect

7155058266. Statement I is incorrect but statement II is correct

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

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਹੇਠਾਂ ਦੇ ਵਾਕ ਦਿੱਤੇ ਗਏ ਹਨ:

ਕਥਨ I : ਲਾਲ, ਨੀਲਾ ਅਤੇ ਪੀਲਾ ਰੰਗ ਚੱਕਰ ਦੇ ਮੂਲ ਰੰਗਾਂ ਹੈ।

ਕਥਨ II : ਰੰਗ ਵੀਲ ਵਿੱਚ ਜਿਹੜੇ ਰੰਗ ਵਿਰੋਧੀ ਵਿੱਚ ਹੈ, ਉਹ ਮੁਫਤ ਰੰਗ ਹੈ

ਉਪਰੋਕਤ ਕਥਨਾਂ ਦੇ ਆਧਾਰ ਉੱਤੇ ਹੇਠਾਂ ਦਿੱਤੇ ਵਿਕਲਪਾਂ ਵਿੱਚੋਂ ਸਹੀ ਉੱਤਰ ਚੁਣੋ:

Options :

7155058263. ਦੋਨੋ ਕਥਨ I ਅਤੇ ਕਥਨ II ਸਹੀ ਹਨ

7155058264. ਦੋਨੋ ਕਥਨ I ਅਤੇ ਕਥਨ II ਗਲਤ ਹਨ

7155058265. ਕਥਨ I ਸਹੀ ਹੈ ਪਰ ਕਥਨ II ਗਲਤ ਹੈ

7155058266. ਕਬਨ। ਗਲਤ ਹੈ ਪਰ ਕਬਨ ॥ ਸਹੀ ਹੈ

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

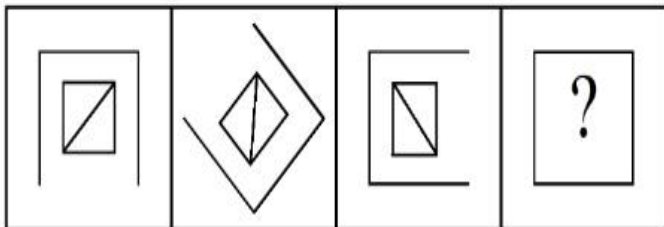
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

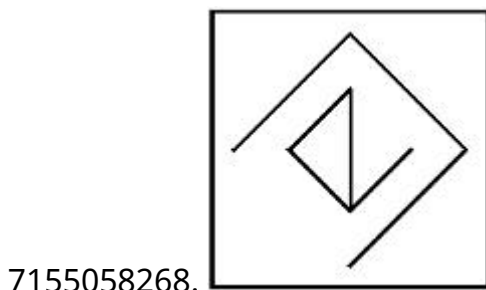
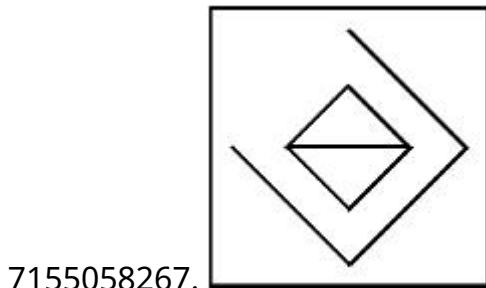
Correct Marks : 4 Wrong Marks : 1

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.

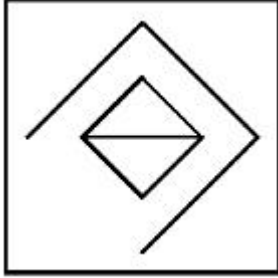
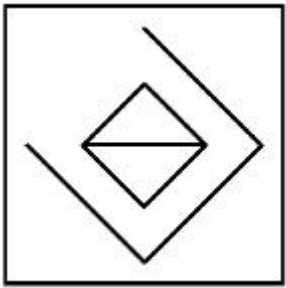
PROBLEM FIGURES



Options :



7155058269.



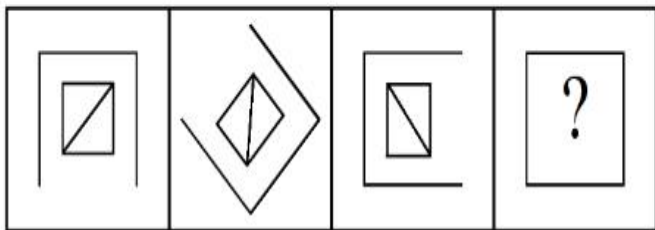
7155058270.

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

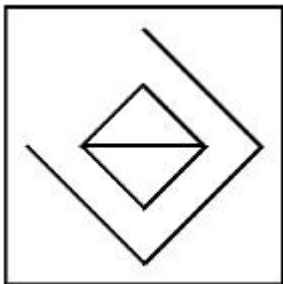
Correct Marks : 4 Wrong Marks : 1

ਹੇਠਾਂ ਦਿੱਤੇ ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚ ਉੱਤਰ ਚਿੱਤਰਾਂ ਦੇ ਨਾਲ ਪ੍ਰਸ਼ਨ ਚਿੱਤਰ ਦਿੱਤੇ ਹਨ। ਉੱਤਰ ਚਿੱਤਰ ਵਿੱਚੋਂ ਇੱਕ ਉੱਤਰ ਚੁਣੋ ਜੋ ਪ੍ਰਸ਼ਨ ਚਿੱਤਰ ਦੇ ਕ੍ਰਮ ਦੇ ਸਮਾਨ ਹੈ।

ਪ੍ਰਸ਼ਨ ਚਿੱਤਰ

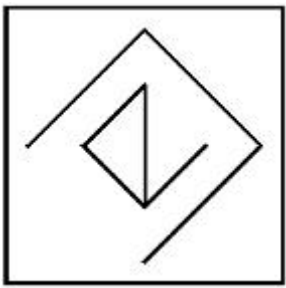


Options :

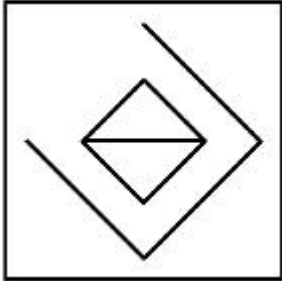


7155058267.

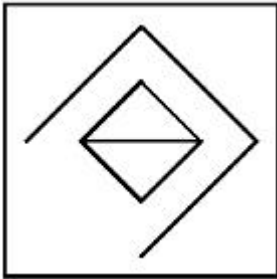
7155058268.



7155058269.



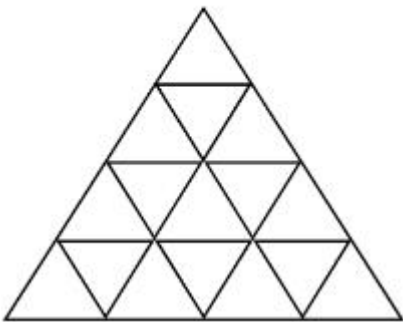
7155058270.



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

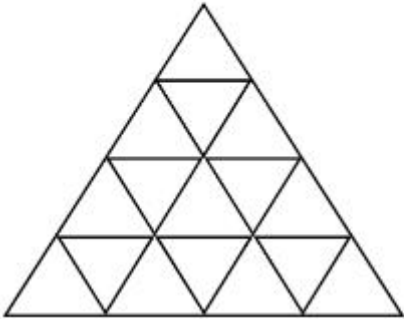
7155058273. 27

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

ਹੇਠਾਂ ਦਿੱਤੇ ਚਿੱਤਰ ਵਿੱਚ ਕਿੰਨੇ ਤਿਊਜ਼ ਹਨ:



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

ਬੇਮੇਲ ਚੁਣੋ:

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

ਇੱਕ ਰਿਹਾਇਸ਼ੀ ਇਮਾਰਤ ਵਿੱਚ 15 ਮੰਜ਼ਲਾਂ ਹਨ। ਜ਼ਮੀਨੀ ਮੰਜ਼ਲ ਦੀ ਉਚਾਈ 4.2 ਮੀਟਰ ਹੈ (ਲੰਬਾਈ ਅਤੇ ਸਲੈਬ ਮੋਟਾਈ ਸਮੇਤ) ਬਾਕੀ ਸਾਰੀਆਂ ਮੰਜ਼ਲਾਂ 3.3 ਮੀਟਰ ਉਚੀਆਂ ਹਨ (ਸਲੈਬ ਮੋਟਾਈ) ਸਮੇਤ। ਇਮਾਰਤ ਦੀ ਕੁੱਲ ਉਚਾਈ (ਜ਼ਮੀਨ ਤੋਂ ਛੱਤ ਤੱਕ) ਮੀਟਰ ਵਿੱਚ ਕਿੰਨੀ ਹੈ।

Options :

7155058279. 45.6 ਮੀਟਰ

7155058280. 50 ਮੀਟਰ

7155058281. 50.4 ਮੀਟਰ

7155058282. 51.6 ਮੀਟਰ

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

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the mirror image of the given word:-

SUCCESS



Options :

7155058283. 22ECCU2

7155058284. 22ECCU2

7155058285. SUCCESS

7155058286. SSECCUS

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

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਹੇਠਾਂ ਦਿੱਤੇ ਚਿੱਤਰ ਦਾ ਪ੍ਰਤੀਬਿੰਬ ਚਿੱਤਰ ਪਛਾਣੋ:

Options :

7155058283. 22ECCU2

7155058284. 22ECCU2

7155058285. SUCCESS

7155058286. SSECCUS

Question Number : 60 Question Id : 7155052628 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Options :

7155058287. 0.7 km

7155058288. 7000 mm

7155058289. 7 km

7155058290. 70 meter

Question Number : 60 Question Id : 7155052628 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਇੱਕ ਨਕਸ਼ੇ ਦਾ ਸਕੇਲ 1:1000 ਹੈ। ਜੇਕਰ ਇੱਕ ਗੱਡੀ ਨਕਸ਼ੇ ਉੱਤੇ ਬਿੰਦੂ 'A' ਤੋਂ 'B' ਤੱਕ 7 cm ਚੱਲਦੀ ਹੈ। ਅਸਲ ਵਿੱਚ ਗੱਡੀ ਨੇ ਕਿੰਨੀ ਯਾਤਰਾ ਕੀਤੀ?

Options :

7155058287. 0.7 km

7155058288. 7000 mm

7155058289. 7 km

7155058290. 70 ਮੀਟਰ

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

ਇੱਕ ਲੈਂਡ ਦਾ ਮਾਪ 80 ਮੀਟਰ \times 40 ਮੀਟਰ ਹੈ, ਘਰ ਦੇ ਡਿਜ਼ਾਇਨ ਲਈ 1:100 ਸਕੇਲ ਉੱਤੇ

Options :

7155058291. 8 ਮੀਟਰ \times 4ਮੀਟਰ

7155058292. 80 ਮੀਟਰ \times 40 ਮੀਟਰ

7155058293. 8 ਸੈਂਟੀਮੀਟਰ \times 4 ਸੈਂਟੀਮੀਟਰ

7155058294. 4 ਮੀਟਰ \times 2 ਮੀਟਰ

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

ਕ੍ਰਮ ਦਾ ਲਾਪਤਾ ਅੰਕ ਪਛਾਣੋ:

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

ਅਗਰ ਗੁਪਤ ਭਾਸ਼ਾ ਵਿੱਚ ROMAN ਨੂੰ TQOCP ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਤਾਂ ITALY ਨੂੰ

Options :

7155058299. KVCMA

7155058300. KWCNB

7155058301. KUCLA

7155058302. KVCNA

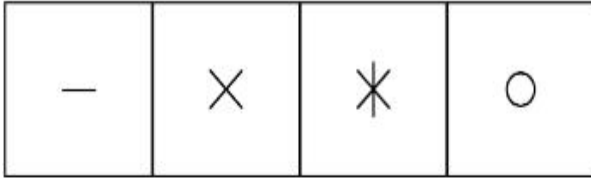
Question Number : 64 Question Id : 7155052632 Question Type : MCQ Option Shuffling : Yes Is

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

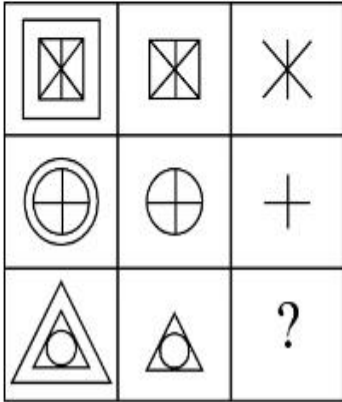
Instruction Time : 0

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

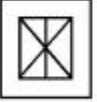








Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਹੇਠ ਦਿੱਤੇ ਚਾਰ ਵਿਕਲਪਾਂ ਵਿੱਚੋਂ ਸਹੀ ਚਿੱਤਰ ਚੁਣੋ ਜਿਹੜਾ ਖਾਲੀ ਬਾਕਸ ਵਿੱਚ ਹੈ।

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

Options :

7155058303. D

7155058304. C

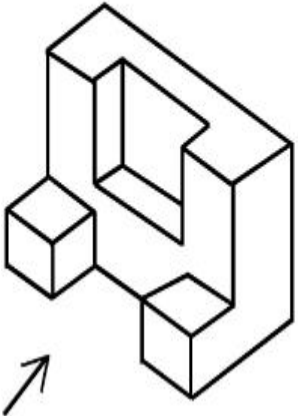
7155058305. B

7155058306. A

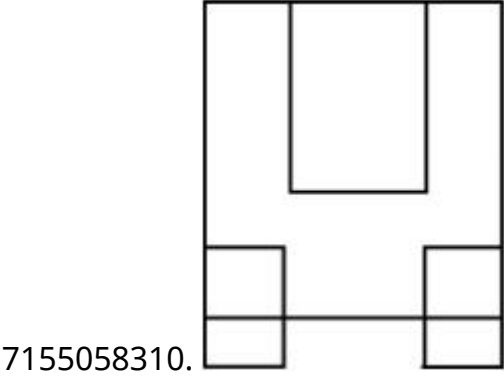
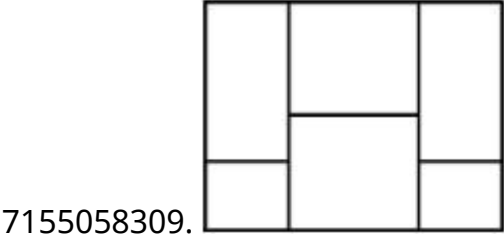
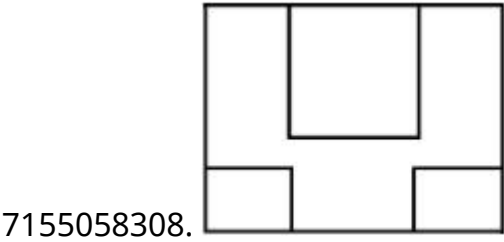
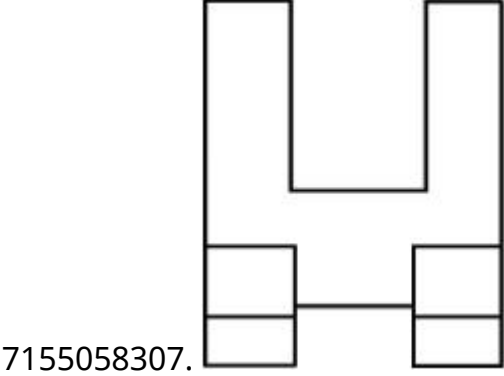
Question Number : 65 Question Id : 7155052633 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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.



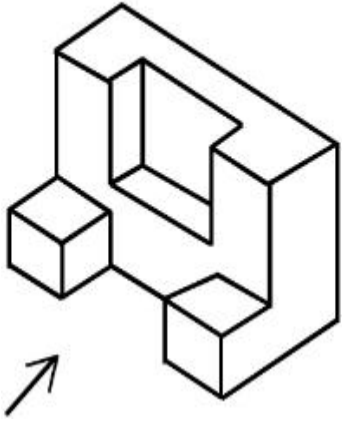
Options :



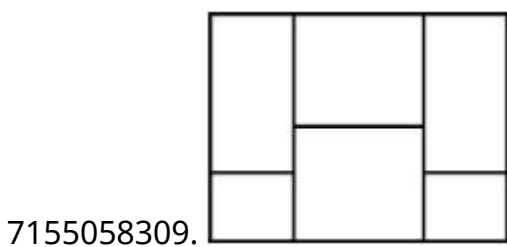
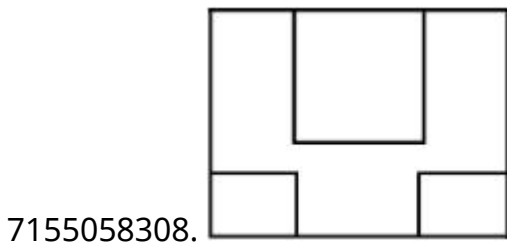
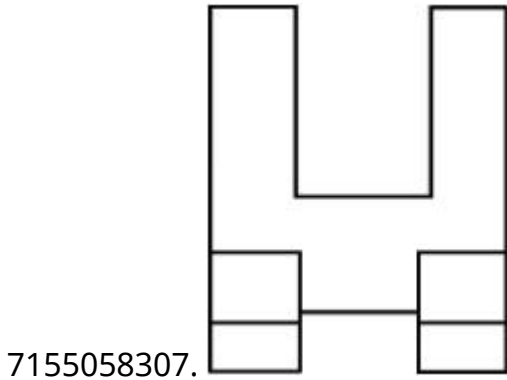
Question Number : 65 Question Id : 7155052633 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

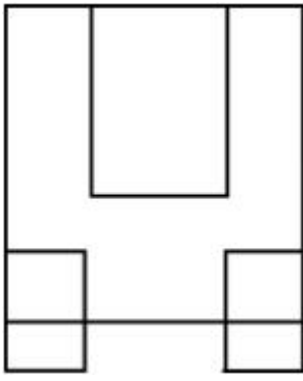
ਇੱਕ ਵਸਤੂ ਦਾ 3D ਦ੍ਰਿਸ਼ ਦਿੱਤਾ ਹੈ। ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵਿੱਚ ਵੇਖੋ: ਉੱਤਰ-ਚਿੱਤਰ ਵਿੱਚ ਸਭ ਤੋਂ ਵੱਧ ਐਲੀਵੇਸ਼ਨ ਦੀ ਪਛਾਣ ਕਰੋ।



Options :



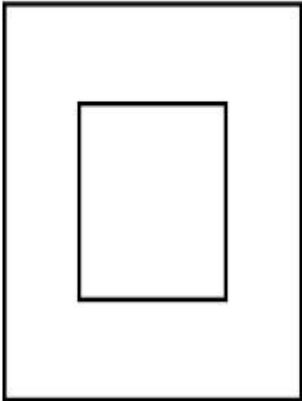
7155058310.



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

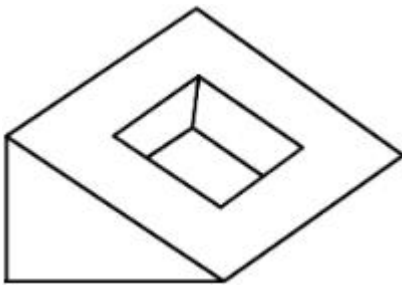
Correct Marks : 4 Wrong Marks : 1

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

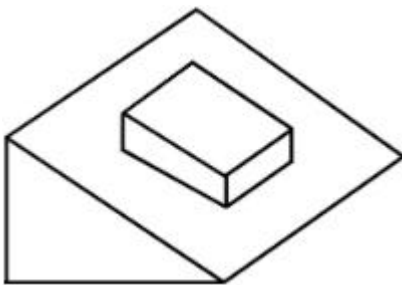


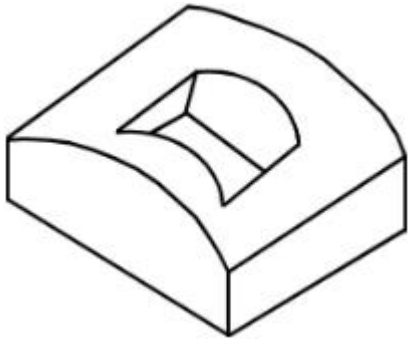
Options :

7155058311.

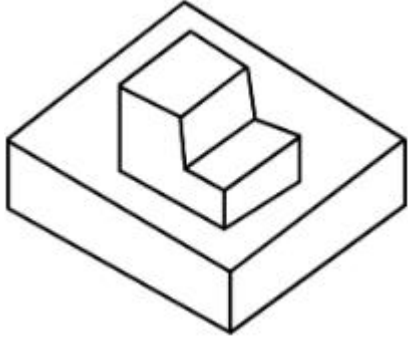


7155058312.





7155058313.

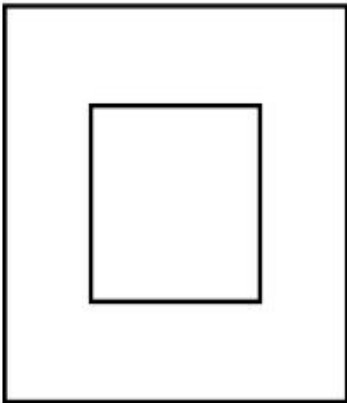


7155058314.

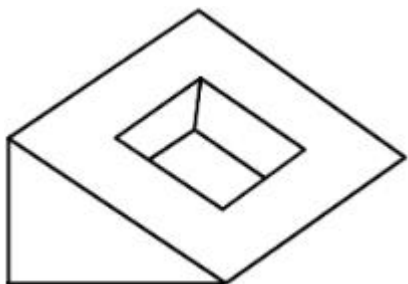
Question Number : 66 Question Id : 7155052634 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਪ੍ਰਸ਼ਨ ਚਿੱਤਰ ਇੱਕ ਵਸਤੂ ਦਾ ਸੋਟੀ ਦ੍ਰਿਸ਼/ਪਲਾਨ ਹੈ। ਉੱਤਰ ਚਿੱਤਰ ਵਿੱਚੋਂ ਗਲਤ 3D ਦ੍ਰਿਸ਼ ਦੀ ਪਛਾਣ ਕਰੋ।

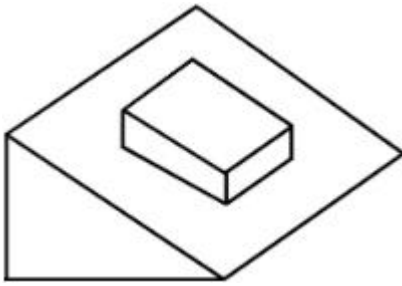


Options :

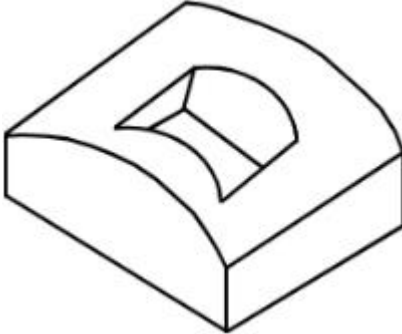


7155058311.

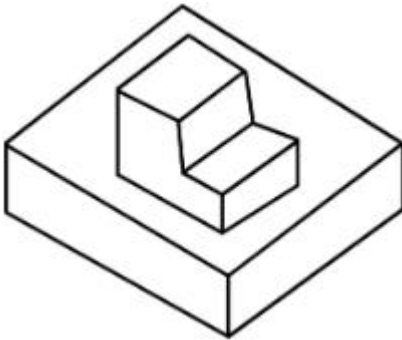
7155058312.



7155058313.



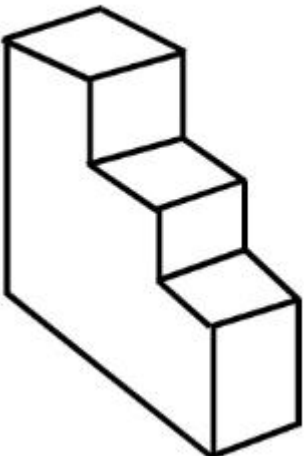
7155058314.



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

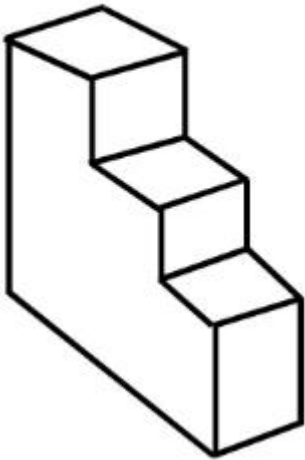
Question Number : 67 Question Id : 7155052635 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਇੱਕ ਵਸਤੂ ਦੀਆਂ ਕਿੰਨੀਆਂ ਸਤਹਾਂ ਹਨ?



Options :

7155058315. 9

7155058316. 10

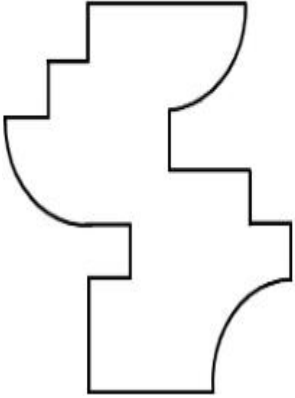
7155058317. 8

7155058318. 11

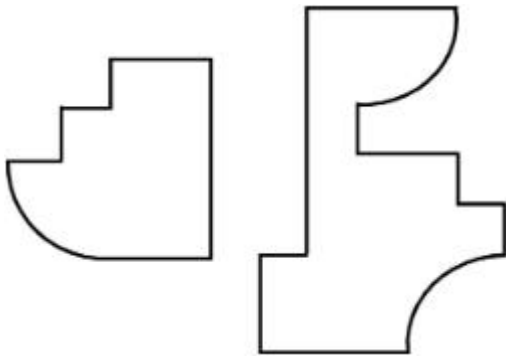
Question Number : 68 Question Id : 7155052636 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

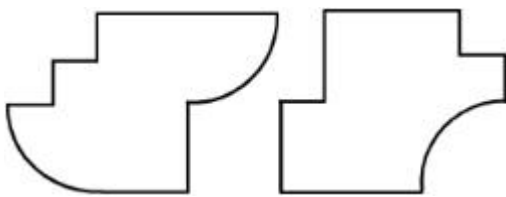
If the question figure is cut into two parts, which of the answer figures complete the question figure without any overlappings?



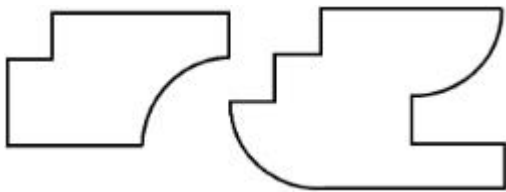
Options :



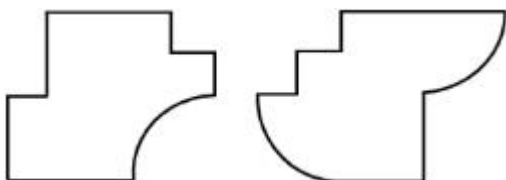
7155058319.



7155058320.



7155058321.

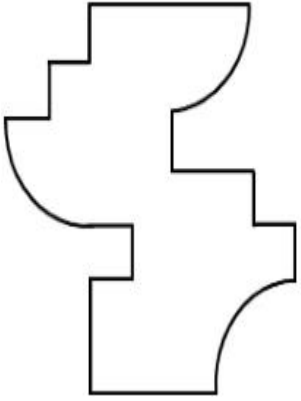


7155058322.

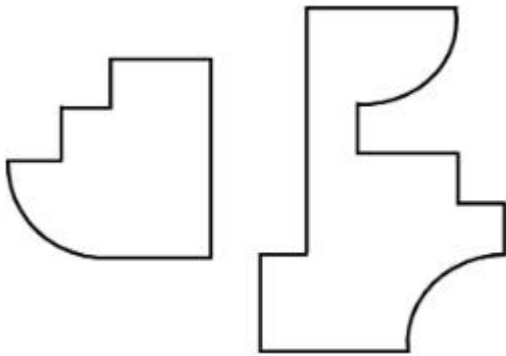
Question Number : 68 Question Id : 7155052636 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

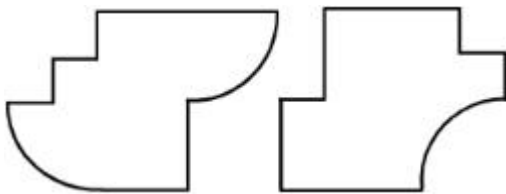
ਪ੍ਰਸ਼ਨ ਚਿੱਤਰ ਨੂੰ ਦੋ ਭਾਗਾਂ ਵਿੱਚ ਕੱਟਿਆ ਗਿਆ ਹੈ, ਕਿਹੜਾ ਉੱਤਰ ਚਿੱਤਰ ਪ੍ਰਸ਼ਨ ਚਿੱਤਰ ਦਾ ਪੂਰਕ ਹੈ ਬਿਨਾਂ ਉੱਪਰ ਚੜ੍ਹੇ?



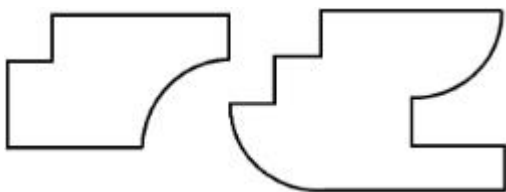
Options :



7155058319.

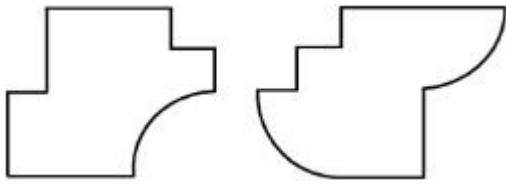


7155058320.



7155058321.

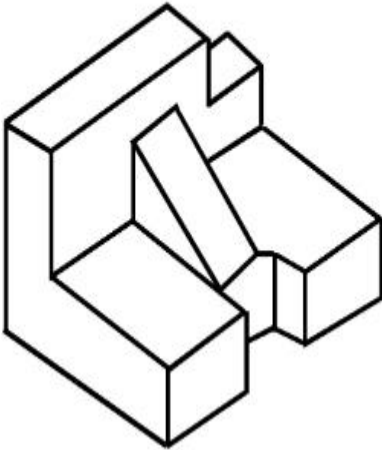
7155058322.



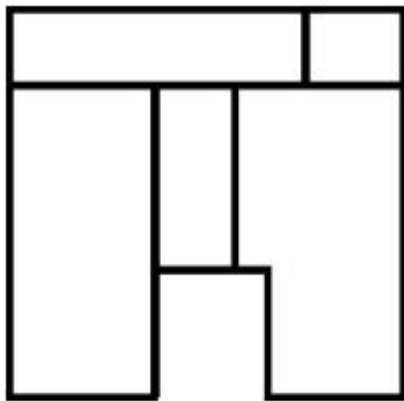
Question Number : 69 Question Id : 7155052637 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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.

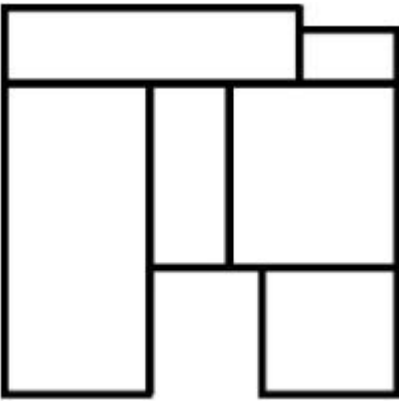


Options :

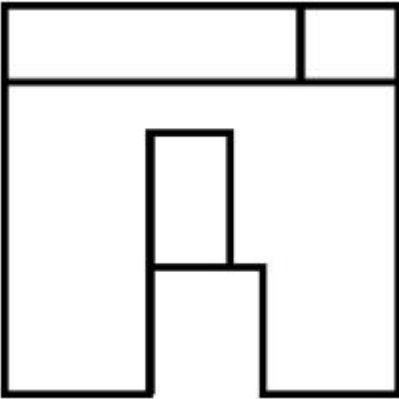


7155058323.

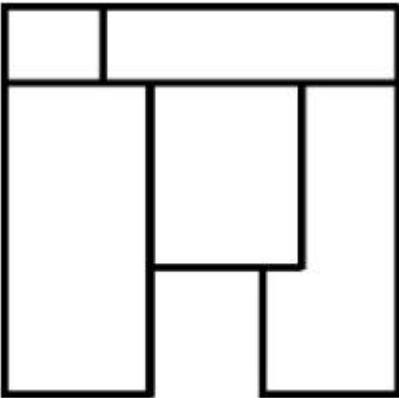
7155058324.



7155058325.



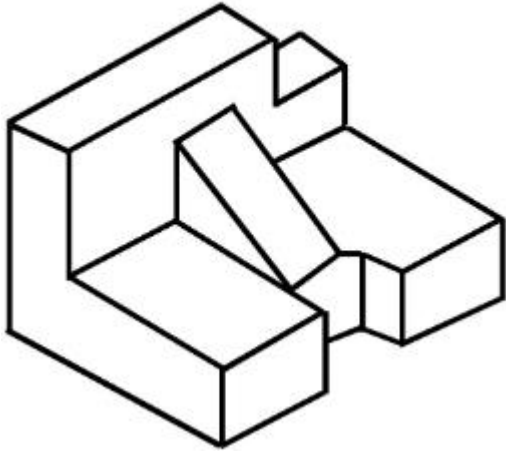
7155058326.



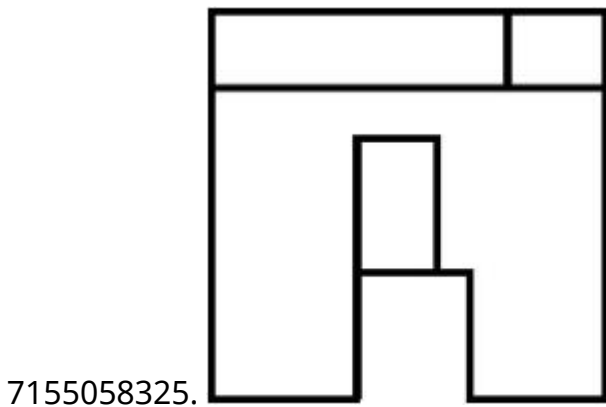
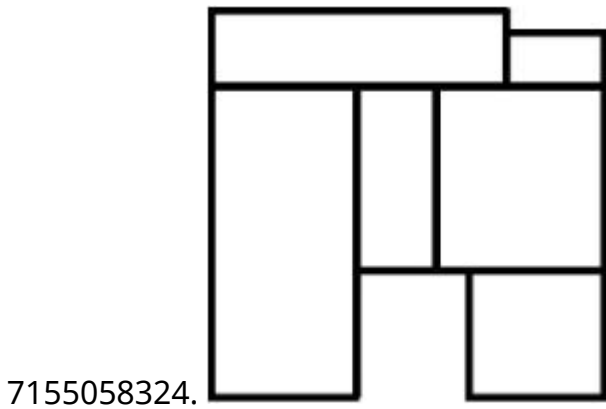
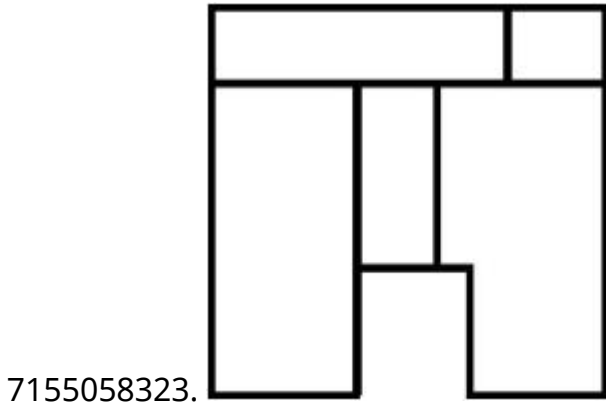
**Question Number : 69 Question Id : 7155052637 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

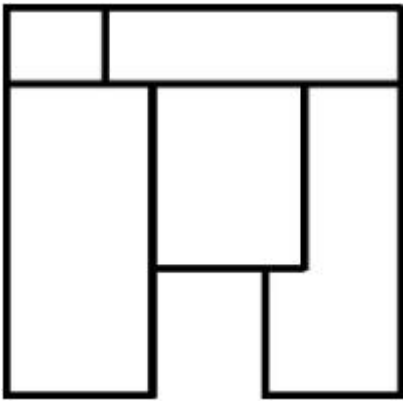
ਪ੍ਰਸ਼ਨ ਚਿੱਤਰ ਇੱਕ ਵਸਤੂ ਦਾ 3D-ਦ੍ਰਿਸ਼ ਹੈ। ਉੱਤਰ ਚਿੱਤਰ ਵਿੱਚੋਂ ਸਭ ਤੋਂ ਸਹੀ ਚੋਟੀ ਦ੍ਰਿਸ਼ ਚੁਣੋ।



Options :



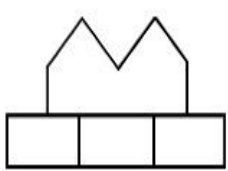
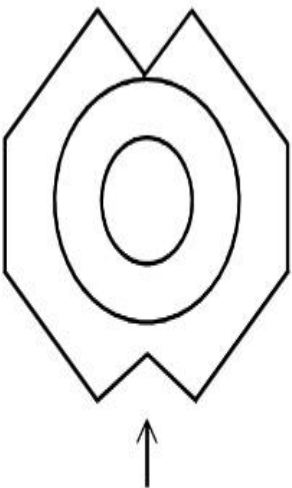
7155058326.



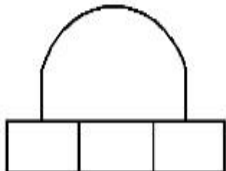
Question Number : 70 Question Id : 7155052638 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

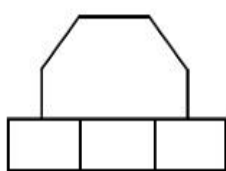
Identify the correct elevation when you look into the object from the marked arrow side of the plan of the object.



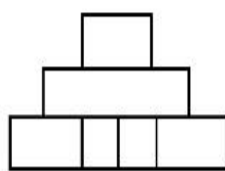
A



B



C



D

Options :

7155058327. D

7155058328. A

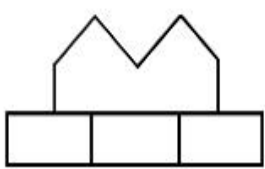
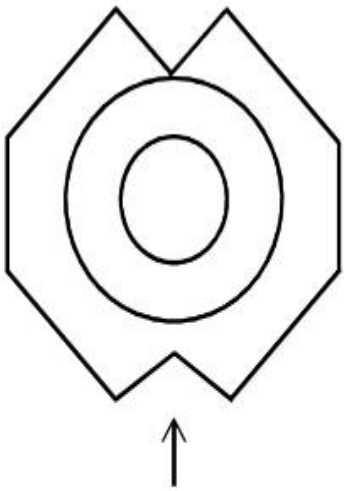
7155058329. B

7155058330. C

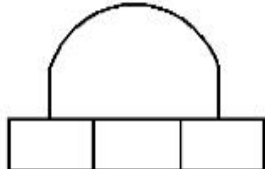
Question Number : 70 Question Id : 7155052638 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

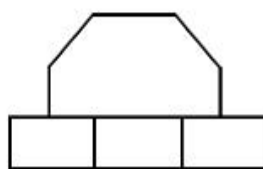
ਇੱਕ ਵਸਤੂ ਦੇ ਪਲਾਨ ਵਿੱਚ ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵਿੱਚ ਵਸਤੂ ਨੂੰ ਵੇਖੋ ਅਤੇ ਸਹੀ ਐਲੀਵੇਸ਼ਨ ਦੀ ਪਛਾਣ ਕਰੋ।



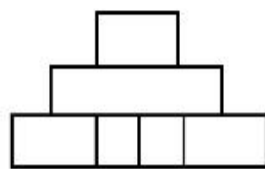
A



B



C



D

Options :

7155058327. D

7155058328. A

7155058329. B

7155058330. C

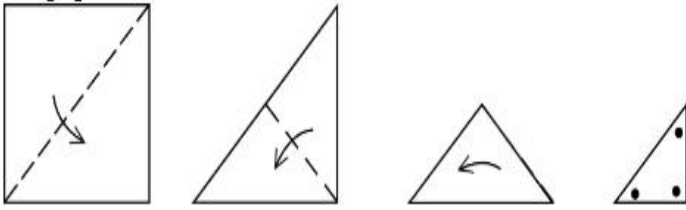
Question Number : 71 Question Id : 7155052639 Question Type : MCQ Option Shuffling : Yes Is

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

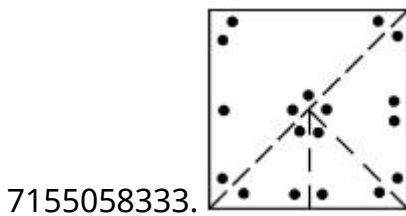
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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



Options :



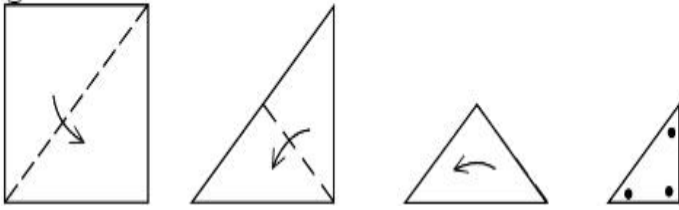
Question Number : 71 Question Id : 7155052639 Question Type : MCQ Option Shuffling : Yes Is

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

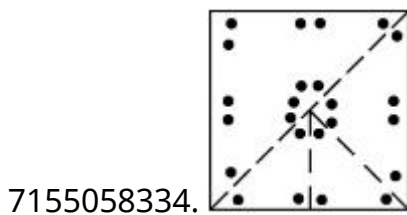
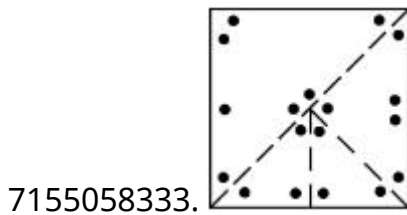
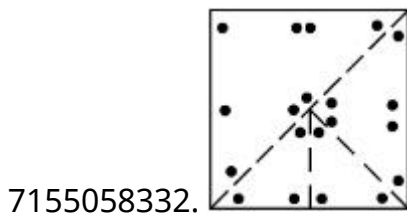
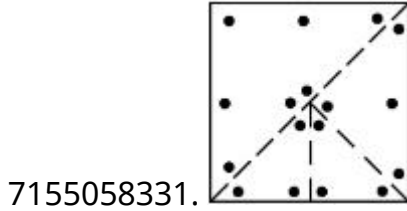
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਇੱਕ ਕਾਰਜ ਨੂੰ ਦਿੱਤੇ ਪੈਟਰਨ ਵਿੱਚ ਫੋਲਡ ਕੀਤਾ ਅਤੇ ਇਸ ਨੂੰ ਸਿਰੇ ਤੋਂ ਕੱਟਿਆ ਗਿਆ ਹੈ। ਕਾਰਜ ਨੂੰ ਖੋਲ੍ਹੇ ਅਤੇ ਪੈਟਰਨ ਨੂੰ ਪਛਾਣੋ



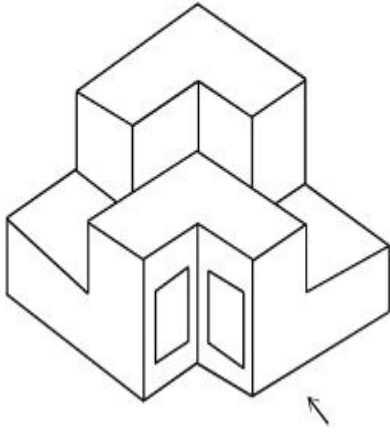
Options :



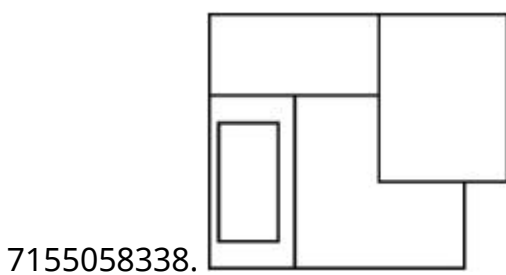
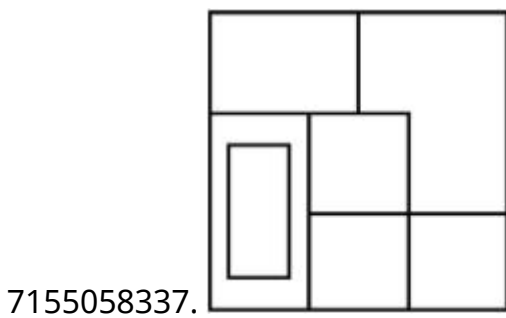
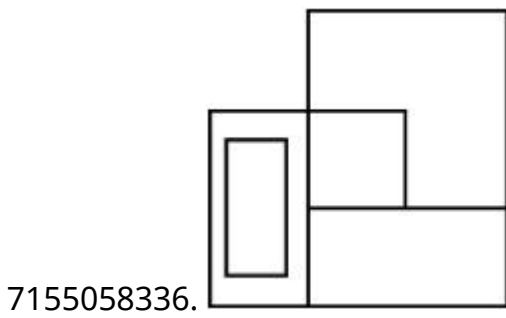
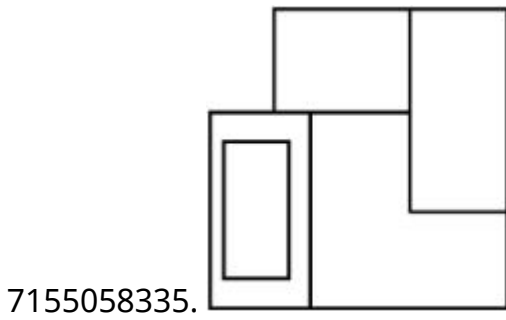
Question Number : 72 Question Id : 7155052640 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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



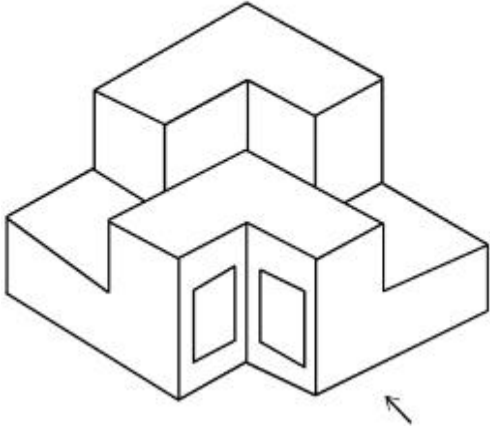
Options :



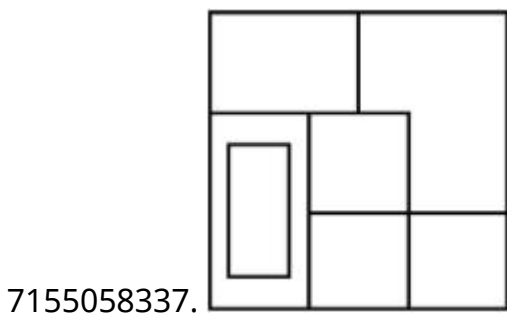
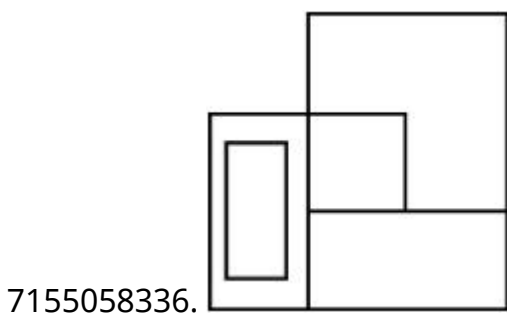
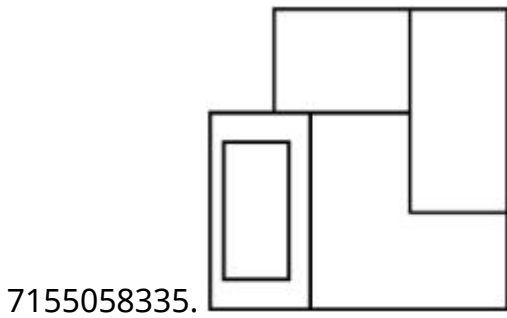
Question Number : 72 Question Id : 7155052640 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

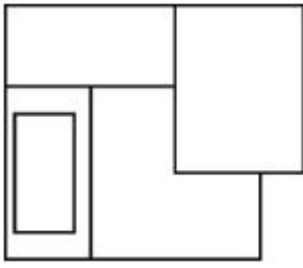
ਪ੍ਰਸ਼ਨ ਚਿੱਤਰ ਵਿੱਚ ਇੱਕ ਵਸਤੂ ਦਾ 3-D ਦ੍ਰਿਸ਼ ਹੈ। ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵਿੱਚ ਵੇਖੋ, ਸਹੀ ਦ੍ਰਿਸ਼ ਦੀ ਪਛਾਣ ਕਰੋ।



Options :



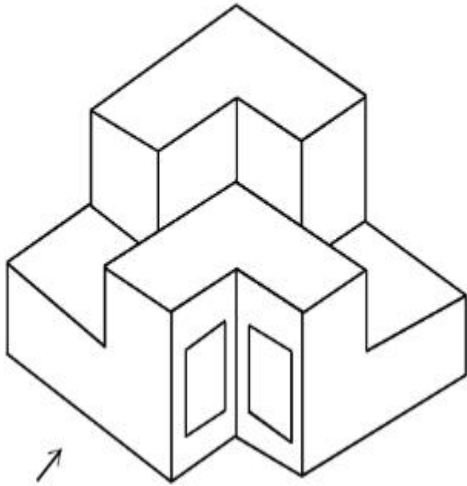
7155058338.



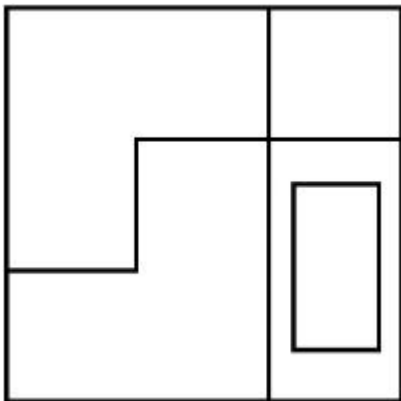
Question Number : 73 Question Id : 7155052641 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

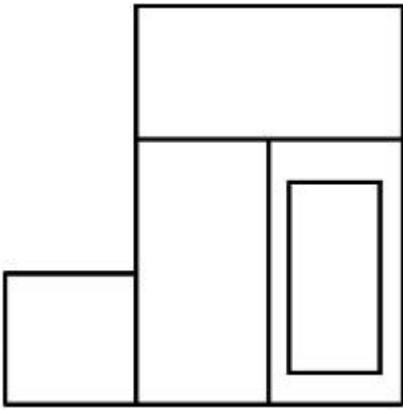


Options :

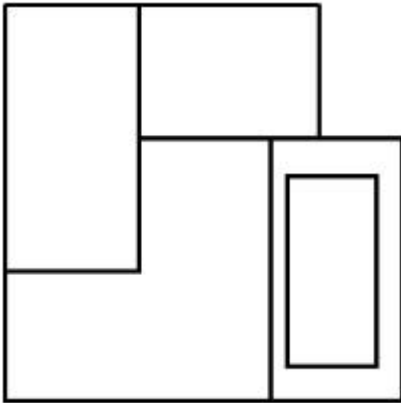


7155058339.

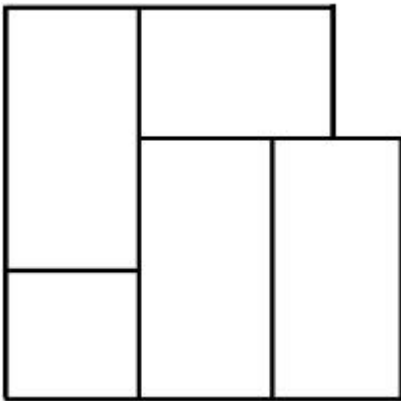
7155058340.



7155058341.



7155058342.



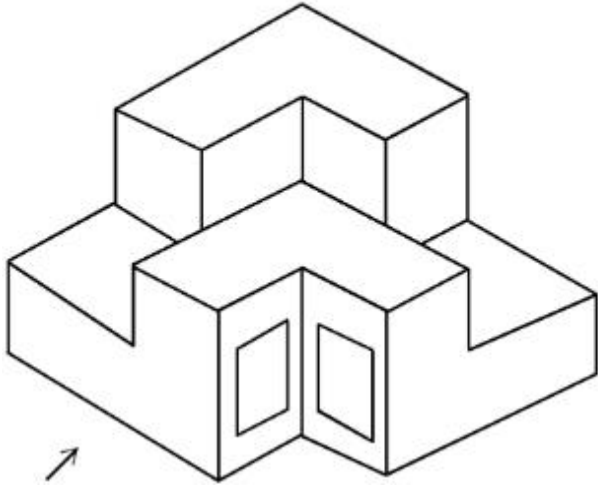
Question Number : 73 Question Id : 7155052641 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

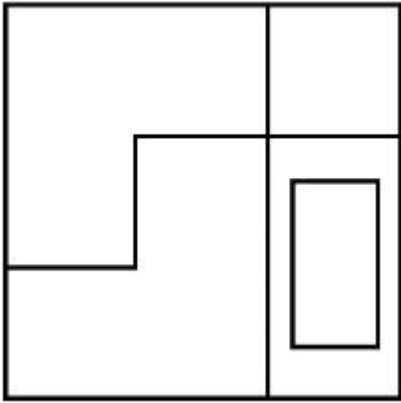
Correct Marks : 4 Wrong Marks : 1

ਪ੍ਰਸ਼ਨ ਚਿੱਤਰ ਇੱਕ ਵਸਤੂ ਦਾ 3-D ਦ੍ਰਿਸ਼ ਹੈ। ਤੀਰ ਦੀ ਦਿਸ਼ਾ ਵਿੱਚ ਵੇਖੋ ਅਤੇ ਸਹੀ ਦ੍ਰਿਸ਼ ਦੀ ਪਛਾਣ ਕਰੋ।

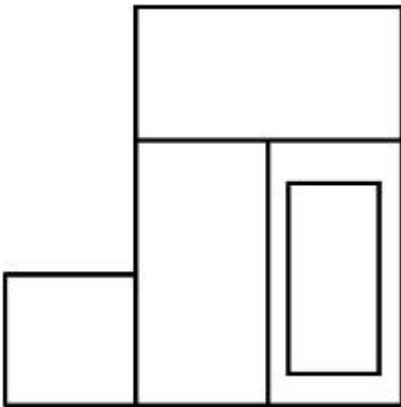


Options :

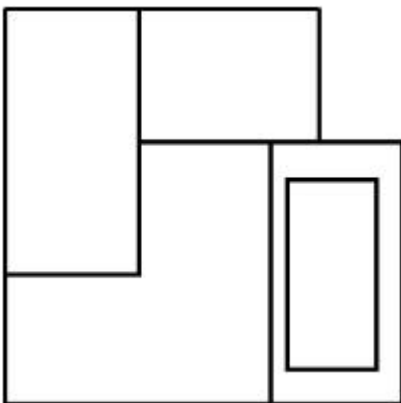
7155058339.



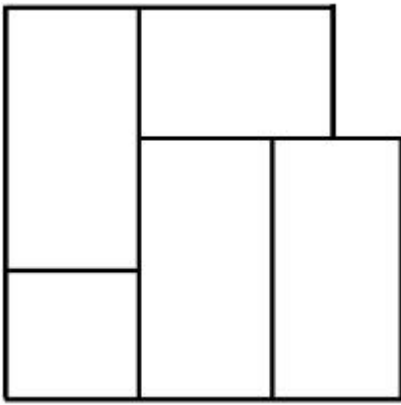
7155058340.



7155058341.



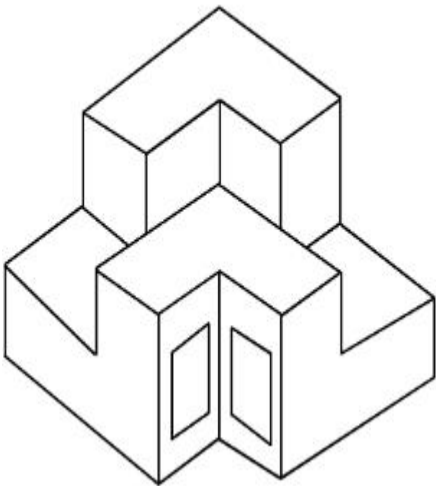
7155058342.



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

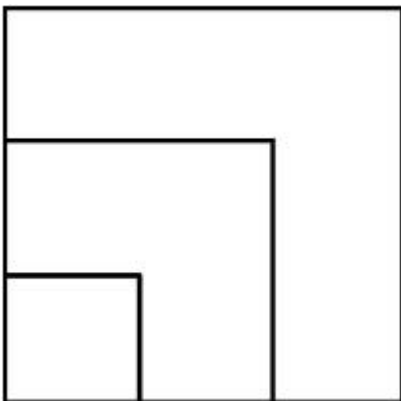
Correct Marks : 4 Wrong Marks : 1

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

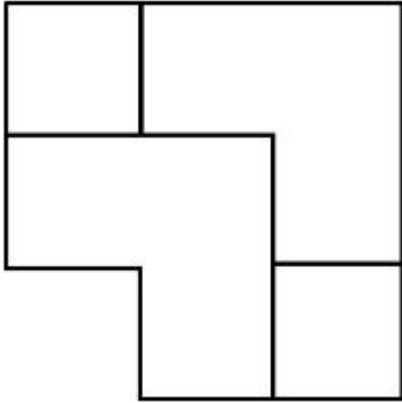
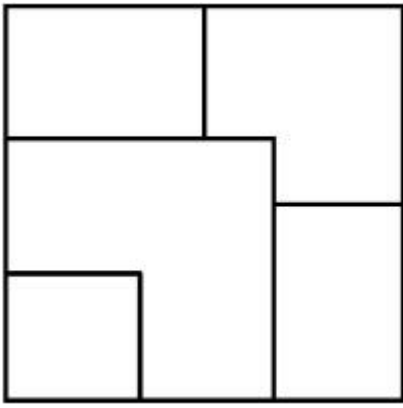


Options :

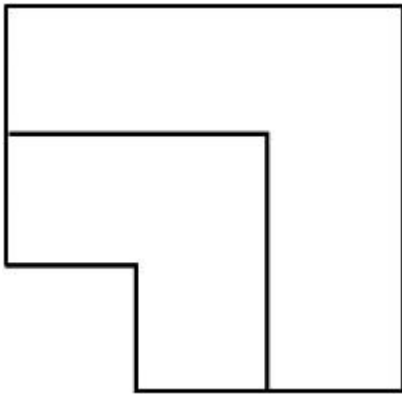
7155058343.



7155058344.



7155058345.



7155058346.

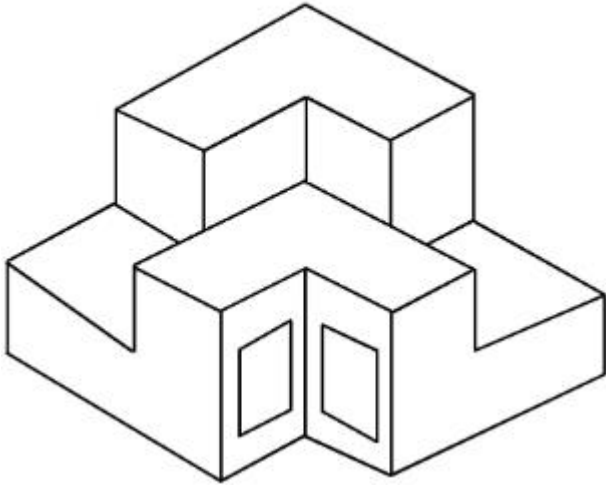
Question Number : 74 Question Id : 7155052642 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

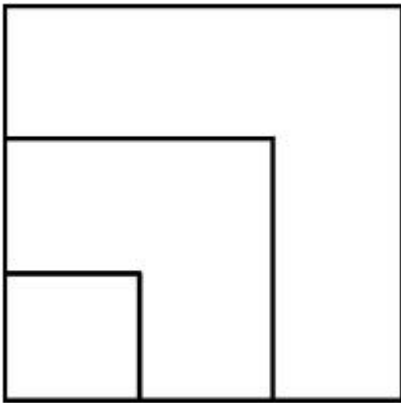
Correct Marks : 4 Wrong Marks : 1

ਹੇਠਾਂ ਦਿੱਤੇ ਵਿਕਲਪਾਂ ਵਿੱਚੋਂ 3-D ਵਸਤੂ ਦੇ ਸਹੀ ਪਲਾਨ ਦੀ ਪਛਾਣ ਕਰੋ, ਚੋਟੀ ਦੀ ਦ੍ਰਿਸ਼ਾਂ ਵਿੱਚੋਂ

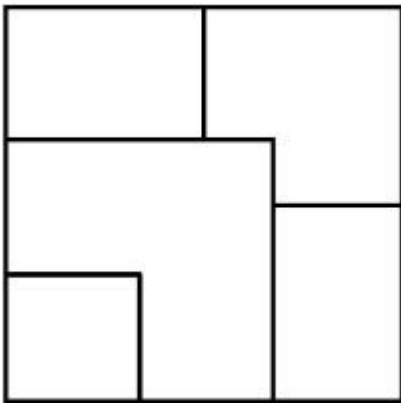


Options :

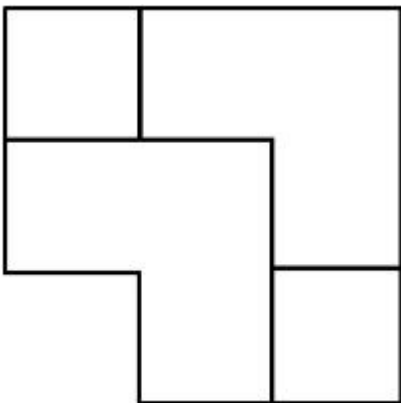
7155058343.

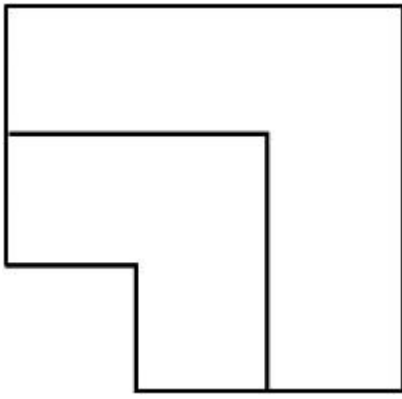


7155058344.



7155058345.



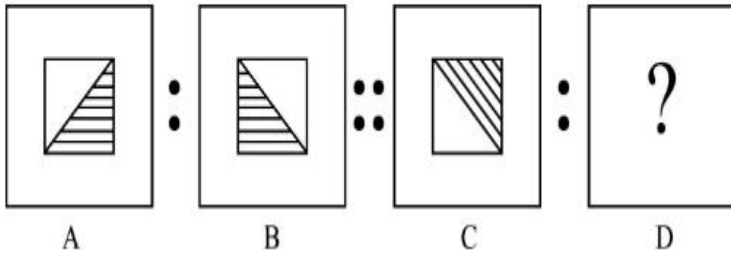


7155058346.

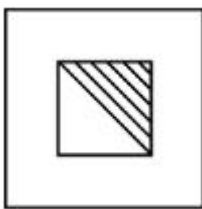
Question Number : 75 Question Id : 7155052643 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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.



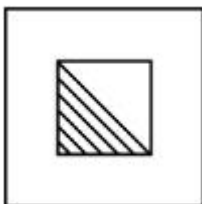
Options :



7155058347.



7155058348.



7155058349.

7155058350.



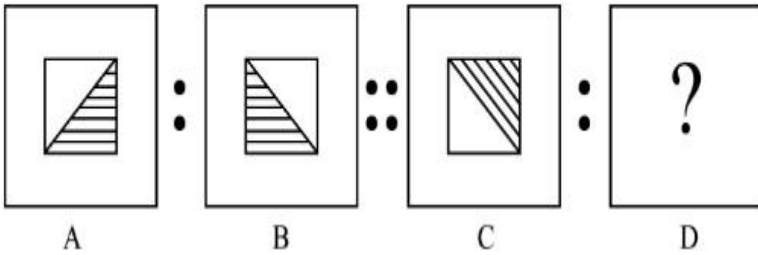
Question Number : 75 Question Id : 7155052643 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਪ੍ਰਸ਼ਨ ਚਿੱਤਰ ਦੇ ਪਹਿਲੇ ਭਾਗ ਦੇ ਦੂਜੇ ਚਿੱਤਰ ਪਹਿਲੇ ਚਿੱਤਰ ਨਾਲ ਇੱਕ ਨਾਤਾ ਹੈ, ਮਿਲਦਾ-ਜੁਲਦਾ, ਦੂਜੇ ਭਾਗ ਦੀ ਪਹਿਲਾ ਚਿੱਤਰ ਉੱਤਰ ਚਿੱਤਰ ਵਿੱਚ ਇੱਕ ਚਿੱਤਰ ਨਾਲ ਨਾਤਾ ਹੈ। ਹੇਠਾਂ ਦਿੱਤੇ ਉੱਤਰ ਚਿੱਤਰ ਵਿੱਚੋਂ ਸਹੀ ਵਿਕਲਪ ਚੁਣੋ:

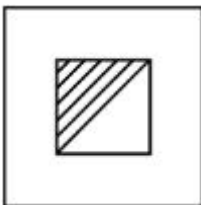


Options :

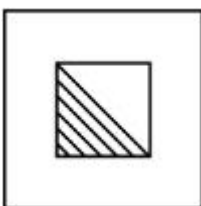
7155058347.



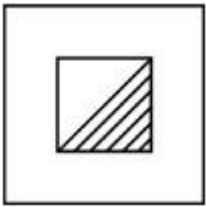
7155058348.



7155058349.



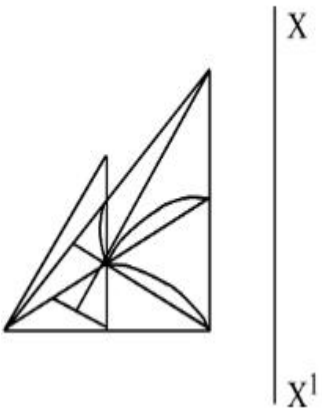
7155058350.



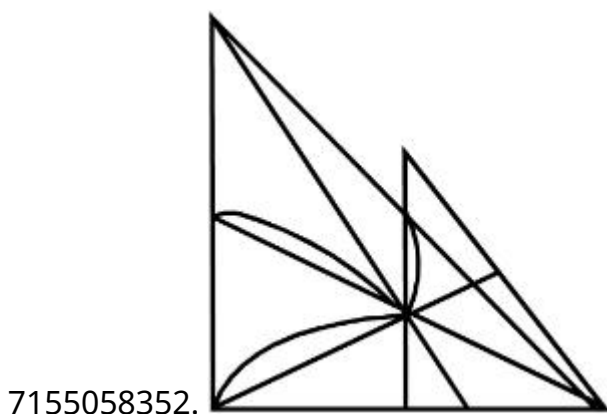
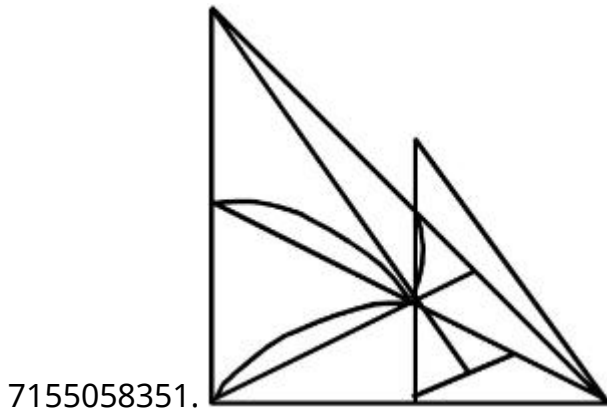
Question Number : 76 Question Id : 7155052644 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

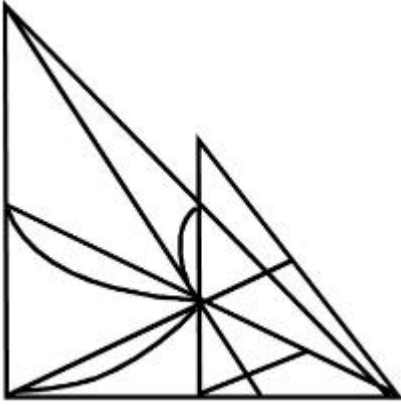
Identify the true mirror image of the figure amongst the answer figures with respect to X-X



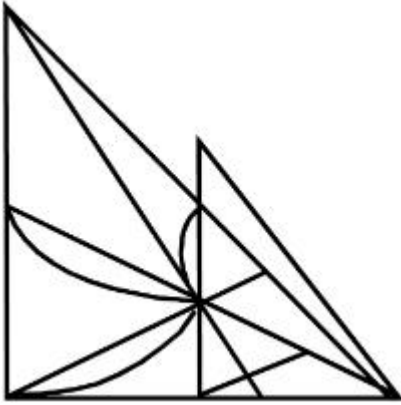
Options :



7155058353.



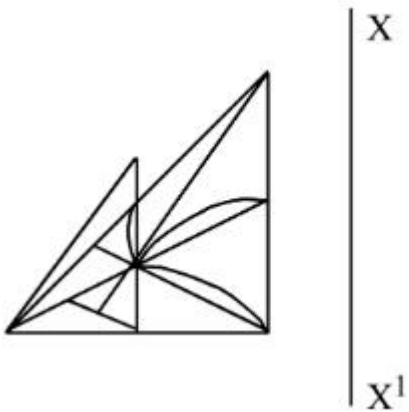
7155058354.



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

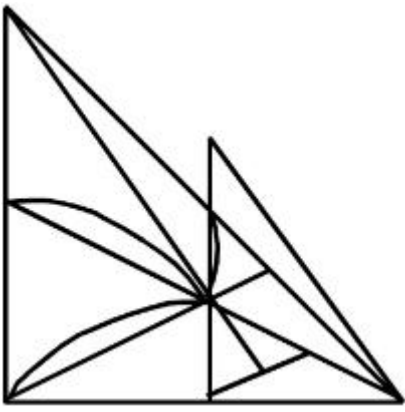
Correct Marks : 4 Wrong Marks : 1

X-X ਦੇ ਸੰਬੰਧ ਵਿੱਚ ਉੱਤਰ ਚਿੱਤਰਾਂ ਵਿੱਚੋਂ ਸਹੀ ਪ੍ਰਤੀਬਿੰਬ ਚਿੱਤਰ ਦੀ ਪਛਾਣ ਕਰੋ।

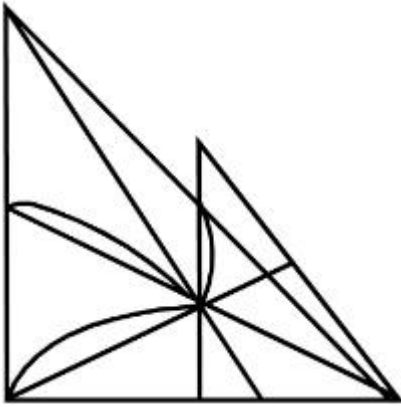


Options :

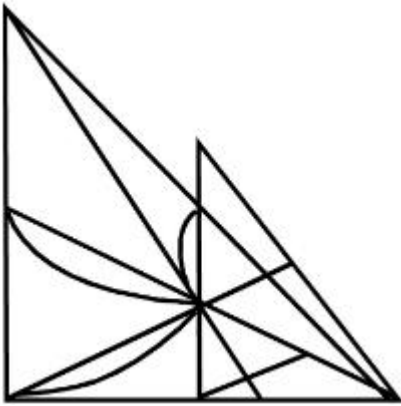
7155058351.



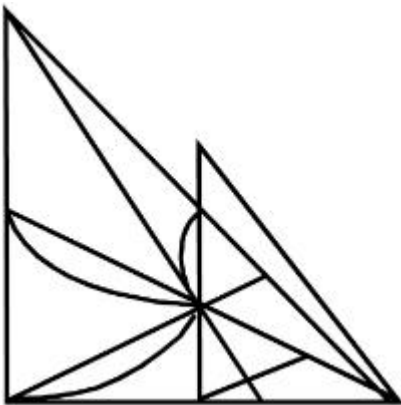
7155058352.



7155058353.



7155058354.

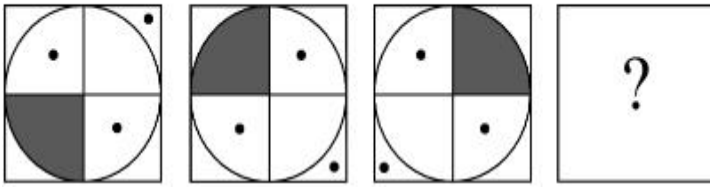


Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

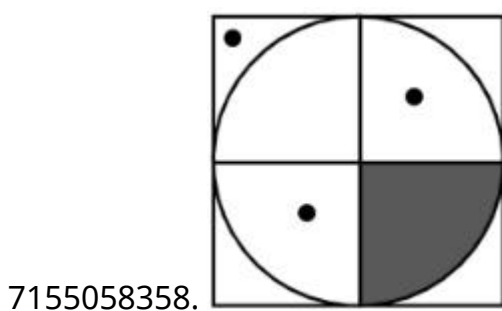
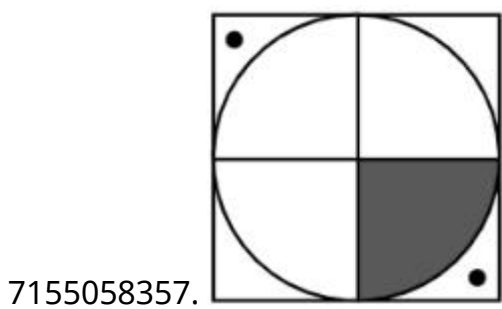
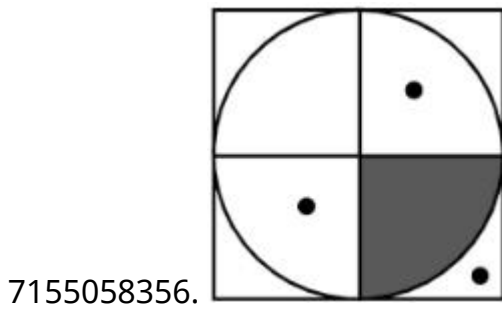
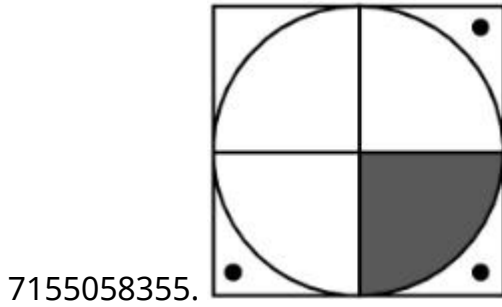
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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



Options :



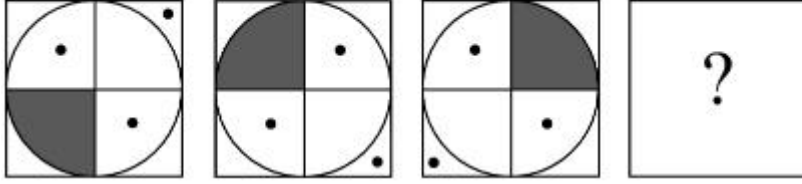
Question Number : 77 Question Id : 7155052645 Question Type : MCQ Option Shuffling : Yes Is

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

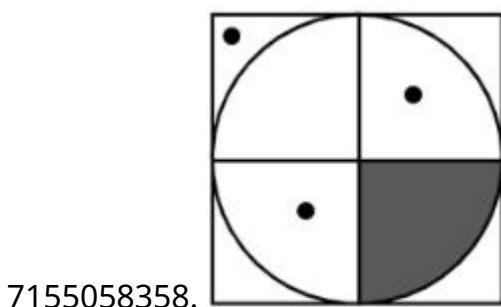
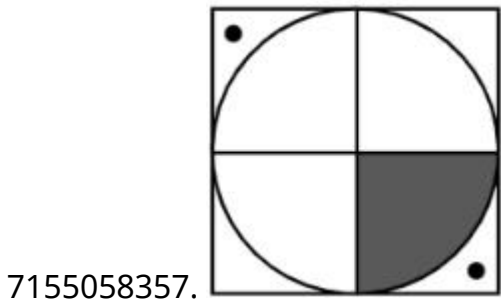
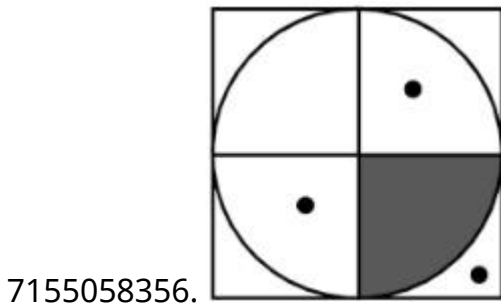
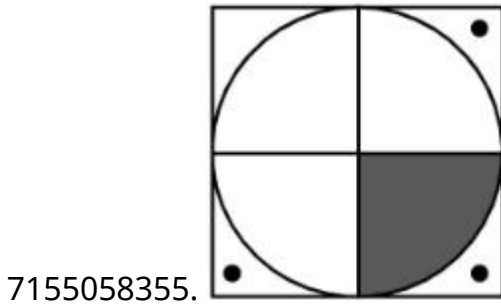
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਹੇਠਾਂ ਦਿੱਤੇ ਉੱਤਰਾਂ (ਜਵਾਬ) ਵਿੱਚੋਂ ਸਹੀ ਵਿਕਲਪ ਚੁਣੋ ਜਿਹੜਾ ਕ੍ਰਮ ਨੂੰ ਪੂਰਾ ਕਰਦਾ ਹੈ।



Options :



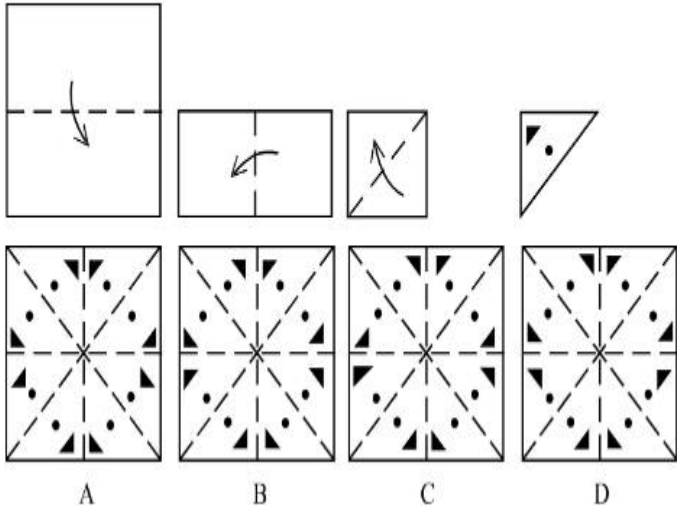
Question Number : 78 Question Id : 7155052646 Question Type : MCQ Option Shuffling : Yes Is

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

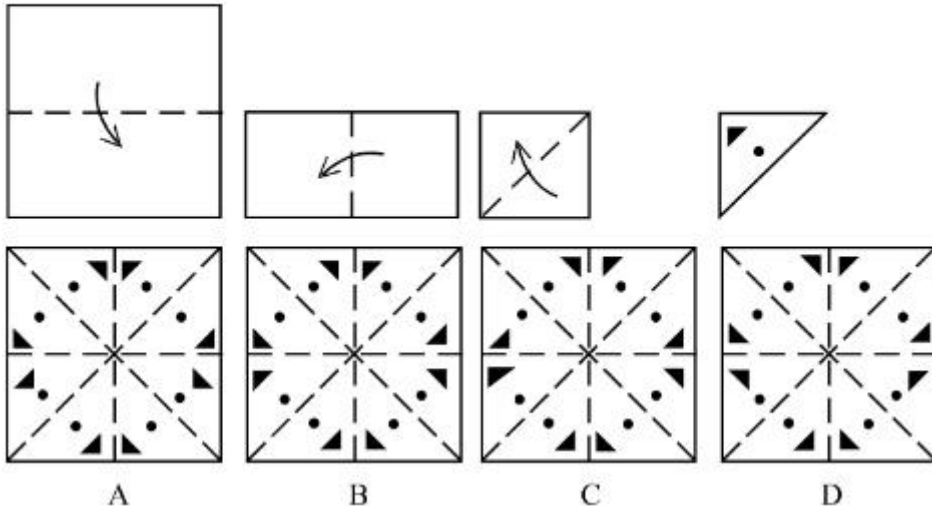
Question Number : 78 Question Id : 7155052646 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ਹੇਠਾਂ ਦਿੱਤੇ ਚਿੱਤਰ ਵਿੱਚੋਂ ਗੁਮਿਆ ਕ੍ਰਮ ਚੁਣੋ?



Options :

7155058359. B

7155058360. A

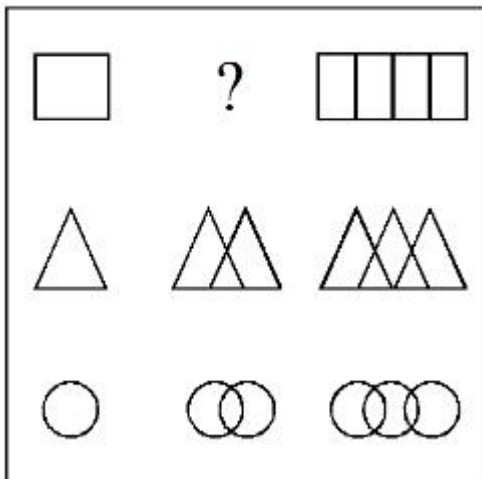
7155058361. D

7155058362. C

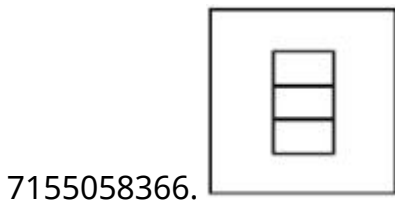
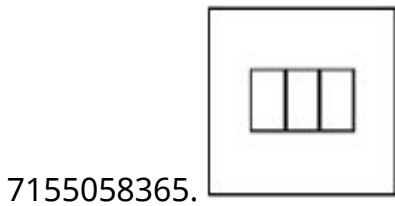
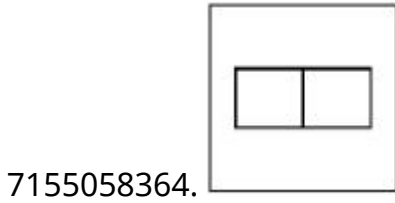
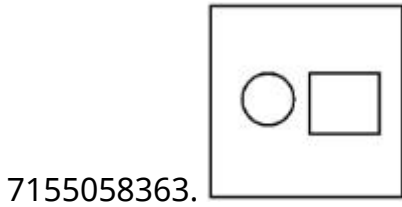
Question Number : 79 Question Id : 7155052647 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In the figure mentioned below find the missing series:-



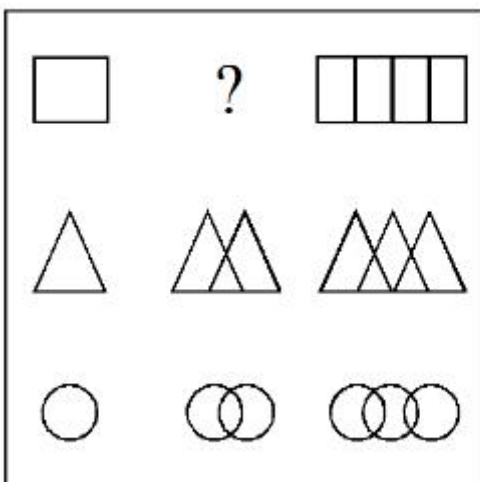
Options :



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

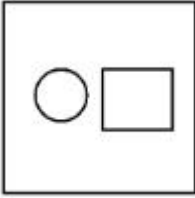
Correct Marks : 4 Wrong Marks : 1

ਹੇਠਾਂ ਦਿੱਤੇ ਚਿੱਤਰ ਵਿੱਚੋਂ ਗੁਮਿਆ ਕ੍ਰਮ ਚੁਣੋ:-

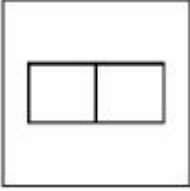


Options :

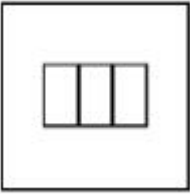
7155058363.



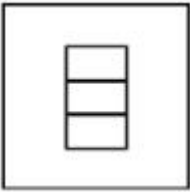
7155058364.



7155058365.

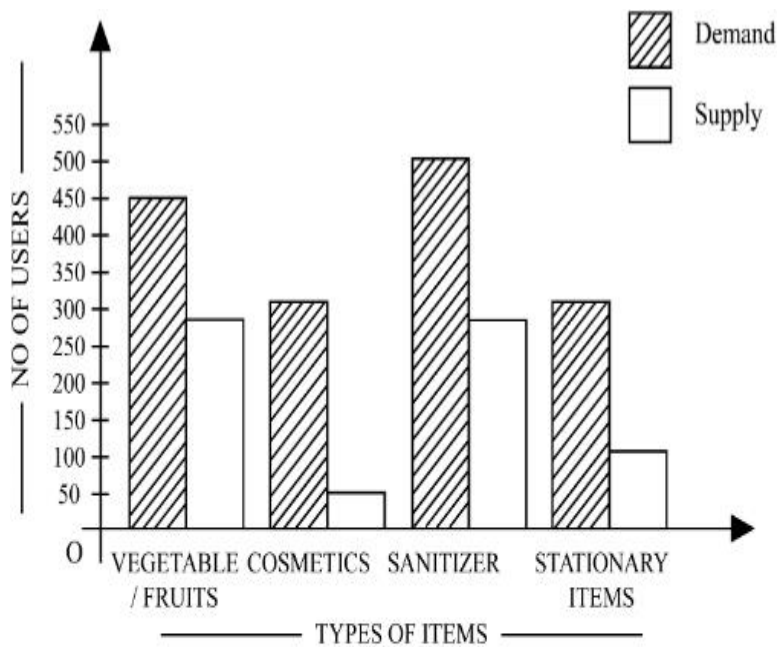


7155058366.



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

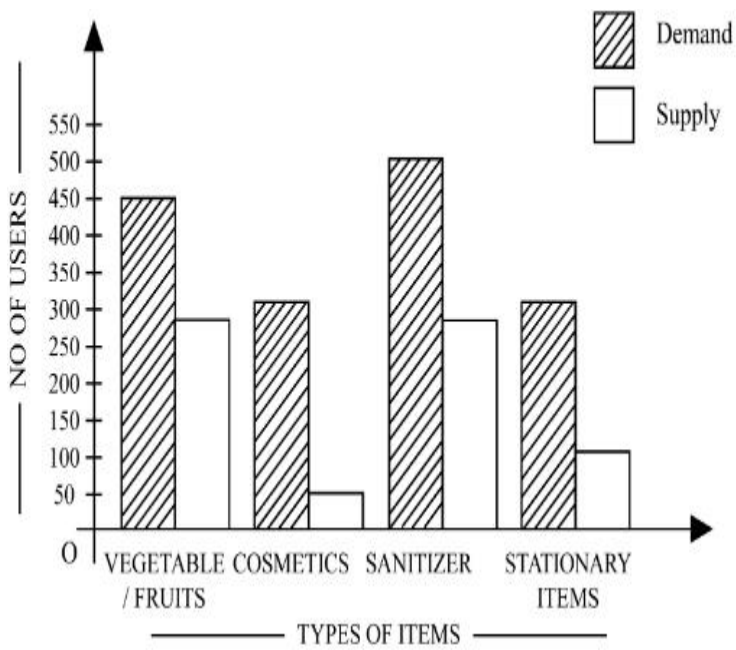
7155058370. B, C and D only

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



ਚਿੱਤਰ ਵੱਖ-ਵੱਖ ਵਸਤੂਆਂ ਲਈ ਵੱਖ-ਵੱਖ ਵਰਤੋਂ ਦੀ ਸਪਲਾਈ ਅਤੇ ਮੰਗ ਨੂੰ ਦਰਸਾਉਂਦਾ ਹੈ। ਹੇਠਾਂ ਦਿੱਤਿਆਂ ਵਿੱਚੋਂ ਕਿਹੜੀ/ਕਿਹੜੀਆਂ ਸਹੀ ਹੈ

- A. ਸੈਨੇਟਾਈਜ਼ਰ 50% ਮੰਗ ਨੂੰ ਪੂਰਾ ਕਰਦੇ ਹਨ
- B. ਕਾਸਮੈਟਿਕਸ ਦੀ ਸਭ ਤੋਂ ਘੱਟ ਸਪਲਾਈ ਹੁੰਦੀ ਹੈ
- C. ਸਾਰਿਆਂ ਵਿੱਚੋਂ 2 ਵਸਤੂਆਂ ਵਿੱਚੋਂ ਸਮਾਨ ਮੰਗ ਹੈ ਪਰ ਸਪਲਾਈ ਵਿੱਚ ਵੱਖਰੀ ਹੈ
- D. ਸਾਰਿਆਂ ਵਿੱਚੋਂ 2 ਵਸਤੂਆਂ ਵਿੱਚੋਂ ਮੰਗ ਅਤੇ ਸਪਲਾਈ ਸਮਾਨ

ਹੇਠਾਂ ਦਿੱਤੇ ਵਿਕਲਪਾਂ ਵਿੱਚੋਂ ਸਹੀ ਉੱਤਰ ਚੁਣੋ:-

Options :

7155058367. ਕੇਵਲ B ਅਤੇ D

7155058368. ਕੇਵਲ A ਅਤੇ B

7155058369. ਕੇਵਲ A ਅਤੇ C

7155058370. ਕੇਵਲ B, C ਅਤੇ D

Drawing

Section Id :

715505162

Section Number :

4

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

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

Correct Marks : 50

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



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

Correct Marks : 50

ਦਿੱਤੇ ਸੰਦਰਭ ਚਿੱਤਰ ਦਾ ਇਕ ਅਨੁਪਾਤਕ ਸਕੈਚ ਬਣਾਓ। ਬਲੈਕ ਅਤੇ ਵਾਈਟ ਪੇਂਸਿਲ ਰੈਨਡਰਿੰਗ ਤਕਨੀਕ ਦੀ ਵਰਤੋਂ ਕਰੋ ਸ਼ੇਡਿੰਗ ਦੇ ਲਈ।



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

ਮੋਟਰ ਸਾਈਕਲ ਵਿੱਚ ਮਿਲੇ ਮੂਲ 2D ਆਕਾਰਾਂ ਦੀ ਵਰਤੋਂ ਕਰੋ ਅਤੇ ਆਪਣੀ ਪਸੰਦ ਦੇ ਕਿਸੇ ਤਿੰਨ ਰੰਗਾਂ ਨਾਲ ਆਪਣੀ ਪਸੰਦ ਦੀ ਦਿਲਚਸਪ 2D ਰਚਨਾ ਬਣਾਓ।