

# National Testing Agency

<b>Question Paper Name :</b>	B PLANNING AND B ARCH 28th Jan 2023 Shift 2
<b>Subject Name :</b>	B PLANNING AND B ARCH
<b>Creation Date :</b>	2023-01-28 23:48:20
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<b>Display Marks:</b>	Yes

## B PLANNING AND B ARCH

<b>Group Number :</b>	1
<b>Group Id :</b>	71550530
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	210
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	500
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## Mathematics Section A

<b>Section Id :</b>	715505163
<b>Section Number :</b>	1

<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	20
<b>Number of Questions to be attempted :</b>	20
<b>Section Marks :</b>	80
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	715505163
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 7155052651 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058371.  $R_1$  is transitive but  $R_2$  is not transitive

7155058372.  $R_2$  is transitive but  $R_1$  is not transitive

7155058373. Both  $R_1$  and  $R_2$  are transitive

7155058374. Neither  $R_1$  nor  $R_2$  is transitive

Question Number : 1 Question Id : 7155052651 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

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

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

Options :

7155058371.  $R_1$  সংক্রামক কিন্তু  $R_2$  নহয়।

7155058372.  $R_2$  সংক্রামক কিন্তু  $R_1$  নহয়।

7155058373.  $R_1$  আৰু  $R_2$  দুয়ো সংক্রামক।

7155058374.  $R_1$  আৰু  $R_2$  এটাও সংক্রামক নহয়।

Question Number : 2 Question Id : 7155052652 Question Type : MCQ Option Shuffling : Yes 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  $\alpha$  and  $\beta$  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 :

7155058375. 1

7155058376.  $\frac{1}{9}$

7155058377. 3

7155058378. 9

**Question Number : 2 Question Id : 7155052652 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

**Options :**

7155058375. 1

7155058376.  $\frac{1}{9}$

7155058377. 3

7155058378. 9

**Question Number : 3 Question Id : 7155052653 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058379. 1153

7155058380. 947

7155058381. 537

7155058382. 837

**Question Number : 3 Question Id : 7155052653 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

**Options :**

7155058379. 1153

7155058380. 947

7155058381. 537

7155058382. 837

**Question Number : 4 Question Id : 7155052654 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058383. 27

7155058384.  $\frac{1}{3}$

7155058385. 9

7155058386. 3

**Question Number : 4 Question Id : 7155052654 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

যদি

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

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

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

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

**Options :**

7155058383. 27

7155058384.  $\frac{1}{3}$

7155058385. 9

7155058386. 3

**Question Number : 5 Question Id : 7155052655 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058387.  $2\sqrt{3}$

7155058388.  $2\sqrt{2}$

7155058389. 4

7155058390. 2

**Question Number : 5 Question Id : 7155052655 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

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

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

**Options :**

7155058387.  $2\sqrt{3}$

7155058388.  $2\sqrt{2}$

7155058389. 4

7155058390. 2

**Question Number : 6 Question Id : 7155052656 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058391.  $\frac{61}{133}$

7155058392.  $\frac{66}{133}$

7155058393.  $\frac{16}{33}$

7155058394.  $\frac{33}{67}$

**Question Number : 6 Question Id : 7155052656 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

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

**Options :**

7155058391.  $\frac{61}{133}$

7155058392.  $\frac{66}{133}$

7155058393.  $\frac{16}{33}$

7155058394.  $\frac{33}{67}$



Question Number : 7 Question Id : 7155052657 Question Type : MCQ Option Shuffling : Yes 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 :

7155058395. e

7155058396.  $e^3$

7155058397.  $e^6$

7155058398.  $e^9$

Question Number : 7 Question Id : 7155052657 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Options :

7155058395. e

7155058396.  $e^3$

7155058397.  $e^6$

7155058398.  $e^9$

**Question Number : 8 Question Id : 7155052658 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058399. 90

7155058400. 180

7155058401. 360

7155058402. 270

**Question Number : 8 Question Id : 7155052658 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

**Options :**

7155058399. 90

7155058400. 180

7155058401. 360

7155058402. 270

**Question Number : 9 Question Id : 7155052659 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058403. 8820

7155058404. 10584

7155058405. 1764

7155058406. 3515

**Question Number : 9 Question Id : 7155052659 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

**Options :**

7155058403. 8820

7155058404. 10584

7155058405. 1764

7155058406. 3515

**Question Number : 10 Question Id : 7155052660 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058407. 19

7155058408. -19

7155058409. 18

7155058410. -21

**Question Number : 10 Question Id : 7155052660 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

সমান হ'ব :

**Options :**

7155058407. 19

7155058408. -19

7155058409. 18

**Question Number : 11 Question Id : 7155052661 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058411.  $\sqrt{2}$

7155058412. 2

7155058413.  $2\sqrt{2}$

7155058414. 4

**Question Number : 11 Question Id : 7155052661 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

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

**Options :**

7155058411.  $\sqrt{2}$

7155058412. 2

7155058413.  $2\sqrt{2}$

7155058414. 4

**Question Number : 12 Question Id : 7155052662 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

For some  $\alpha \in \mathbb{N}$ , let PQR be a triangle with two fixed vertices P(2, 5) and Q( $\alpha$ , -11). If the point R moves on the line  $l_1: 9x + 7y + \alpha = 0$ , then the centroid of  $\Delta PQR$  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 :**

7155058415. 117

7155058416. 129

7155058417. 131

7155058418. 133

**Question Number : 12 Question Id : 7155052662 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

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

**Options :**

7155058415. 117

7155058416. 129

7155058417. 131

7155058418. 133

**Question Number : 13 Question Id : 7155052663 Question Type : MCQ Option Shuffling : Yes 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 1<sup>st</sup> 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 :**

7155058419. 12

7155058420. 30

7155058421. 24

7155058422. 48

**Question Number : 13 Question Id : 7155052663 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

**Options :**

7155058419. 12

7155058420. 30

7155058421. 24

7155058422. 48

**Question Number : 14 Question Id : 7155052664 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058423. 5

7155058424. 7

7155058425. 9

7155058426. 11

**Question Number : 14 Question Id : 7155052664 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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



7<sup>89</sup> ক 15 বে ভাগ কৰিলে ভাগশেষ ৰ'বঃ

**Options :**

7155058423. 5

7155058424. 7

7155058425. 9

7155058426. 11

**Question Number : 15 Question Id : 7155052665 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058427. 5

7155058428. 13

7155058429. 19

7155058430. 27

**Question Number : 15 Question Id : 7155052665 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0**

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

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

**Options :**

7155058427. 5

7155058428. 13

7155058429. 19

7155058430. 27

**Question Number : 16 Question Id : 7155052666 Question Type : MCQ Option Shuffling : Yes 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  $\vec{r} \times \vec{a} = \left( \begin{matrix} \vec{b} \\ \vec{c} \end{matrix} \right) \times \vec{a}$  and  $\vec{r} \cdot \left( \begin{matrix} \vec{b} \\ \vec{c} \end{matrix} \right) = 0$ , then  $\vec{r} \cdot (\hat{i} + \hat{j} - \hat{k})$  is equal to :

**Options :**

7155058431. 3

7155058432. 4

7155058433. 5

7155058434. 6

**Question Number : 16 Question Id : 7155052666 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

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

**Options :**

7155058431. 3

7155058432. 4

7155058433. 5

7155058434. 6

**Question Number : 17 Question Id : 7155052667 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058435. 0

7155058436.  $\frac{1}{59}$

7155058437.  $\frac{3}{59}$

7155058438.  $\frac{7}{118}$

**Question Number : 17 Question Id : 7155052667 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

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

মূলবোৰৰ সম্ভাৱিতাহ'ব :

**Options :**

7155058435. 0

7155058436.  $\frac{1}{59}$

7155058437.  $\frac{3}{59}$

7155058438.  $\frac{7}{118}$

**Question Number : 18 Question Id : 7155052668 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058439.  $\frac{29 \times 2^8}{3^9}$

7155058440.  $\frac{25 \times 2^9}{3^9}$

7155058441.  $\frac{163}{3^9}$

7155058442.  $\frac{835}{3^9}$

**Question Number : 18 Question Id : 7155052668 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

$P(X < \frac{n}{4})$  সমান হ'ব :

**Options :**

7155058439.  $\frac{29 \times 2^8}{3^9}$

7155058440.  $\frac{25 \times 2^9}{3^9}$

7155058441.  $\frac{163}{3^9}$

7155058442.  $\frac{835}{3^9}$

**Question Number : 19 Question Id : 7155052669 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058443.  $\left[\sqrt{2} - 1, \frac{3}{5}\right]$

7155058444.  $\left[\frac{3}{5}, \infty\right)$

7155058445.  $\mathbb{R} - \{-\sqrt{2} - 1, \sqrt{2} - 1\}$

7155058446.  $(-\infty, -1 - \sqrt{2}) \cup (\sqrt{2} - 1, \infty)$

**Question Number : 19 Question Id : 7155052669 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

**Options :**

7155058443.  $\left(\sqrt{2} - 1, \frac{3}{5}\right]$

7155058444.  $\left[\frac{3}{5}, \infty\right)$

7155058445.  $\mathbb{R} - \{-\sqrt{2} - 1, \sqrt{2} - 1\}$

7155058446.  $(-\infty, -1 - \sqrt{2}) \cup (\sqrt{2} - 1, \infty)$

**Question Number : 20 Question Id : 7155052670 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058447.  $((p \Rightarrow q) \vee p) \Rightarrow q$

7155058448.  $((p \wedge q) \Rightarrow p) \Rightarrow q$

7155058449.  $((p \wedge q) \wedge (\sim q)) \Rightarrow p$

7155058450.  $((p \Rightarrow q) \vee p) \Rightarrow p$

**Question Number : 20 Question Id : 7155052670 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

তলৰ কোনটো পুনঃকল্পিত হ'ব?

**Options :**

7155058447.  $((p \Rightarrow q) \vee p) \Rightarrow q$

7155058448.  $((p \wedge q) \Rightarrow p) \Rightarrow q$

7155058449.  $((p \wedge q) \wedge (\sim q)) \Rightarrow p$

7155058450.  $((p \Rightarrow q) \vee p) \Rightarrow p$

## Mathematics Section B

<b>Section Id :</b>	715505164
<b>Section Number :</b>	2
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	10
<b>Number of Questions to be attempted :</b>	5
<b>Section Marks :</b>	20

Enable Mark as Answered Mark for Review and

Yes

Clear Response :

Maximum Instruction Time :

0

Sub-Section Number :

1

Sub-Section Id :

715505164

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 21 Question Id : 7155052671 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 : 7155052671 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range



**Text Areas :** PlainText

**Possible Answers :**

10 to 12

**Question Number :** 22 **Question Id :** 7155052672 **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 :** 7155052672 **Question Type :** SA **Calculator :** None

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

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

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

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

10 to 12

Question Number : 23 Question Id : 7155052673 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 : 7155052673 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 24 Question Id : 7155052674 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 :** 7155052674 **Question Type :** SA **Calculator :** None

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

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

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

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

10 to 12

**Question Number :** 25 **Question Id :** 7155052675 **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 : 7155052675 Question Type : SA Calculator : None**

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

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

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

অন্তৰালত অৱকলনীৰ নোহোৱা বিন্দুৰ সংখ্যা হ'ব \_\_\_\_\_।

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

10 to 12

**Question Number : 26 Question Id : 7155052676 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 : 7155052676 Question Type : SA Calculator : None**

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

Correct Marks : 4 Wrong Marks : 1

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 27 Question Id : 7155052677 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 : 7155052677 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

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

Response Type : Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

10 to 12

**Question Number :** 28 **Question Id :** 7155052678 **Question Type :** SA **Calculator :** None

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

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

Let  $\alpha_1, \alpha_2$  be the values of  $\alpha$  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 \_\_\_\_\_ unit<sup>2</sup>.

**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 :** 7155052678 **Question Type :** SA **Calculator :** None

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

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

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

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 29 Question Id : 7155052679 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

Let O be the origin and let the vectors  $\overline{OA} = -3\hat{i} + 7\hat{j} + 5\hat{k}$ ,  $\overline{OB} = -5\hat{i} + 7\hat{j} - 3\hat{k}$  and  $\overline{OC} = \hat{u}$  represent three sides of a parallelepiped, where  $\hat{u}$  is a unit vector in the  $xy$ - plane. If the maximum volume of the parallelepiped is  $2\sqrt{\alpha}$ , then  $\alpha$  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 : 7155052679 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

ধৰাহ'ল O মূলবিন্দু আৰু ধৰাহ'ল

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

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

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

**Possible Answers :**

10 to 12

**Question Number : 30 Question Id : 7155052680 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 : 7155052680 Question Type : SA Calculator : None**

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

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

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

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

10 to 12



## Aptitude Test

<b>Section Id :</b>	715505165
<b>Section Number :</b>	3
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	715505165
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

**Question Number : 31 Question Id : 7155052681 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058461. Type of cement

7155058462. Type of floor finish

7155058463. Type of paint

7155058464. Type of Brick

**Question Number : 31 Question Id : 7155052681 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

এডবি হৈছে

**Options :**

7155058461. এক প্ৰকাৰৰ চিমেন্ট

7155058462. এক প্ৰকাৰৰ মজিয়াৰ পলিচ

7155058463. এটা প্ৰকাৰৰ ৰং

7155058464. এটা প্ৰকাৰৰ ইটা

**Question Number : 32 Question Id : 7155052682 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058465. Both Statement I and Statement II are correct

7155058466. Both Statement I and Statement II are incorrect

7155058467. Statement I is correct but statement II is incorrect

7155058468. Statement I is incorrect but statement II is correct

**Question Number : 32 Question Id : 7155052682 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

তলত দুটা তথ্য আগবঢ়োৱা হৈছেঃ

**উক্তি I :** চণ্ডীগড় স্বাধীন ভাৰতৰ প্ৰথম পৰিকল্পিত চহৰ

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

ওপৰৰ তথ্যমতে শুদ্ধ উত্তৰটো চয়ন কৰা

**Options :**

7155058465. উক্তি I আৰু উক্তি II দুয়োটা শুদ্ধ

7155058466. উক্তি I আৰু উক্তি II দুয়োটা ভুল

7155058467. উক্তি I টো শুদ্ধ কিন্তু উক্তি II টো ভুল

7155058468. উক্তি I টো ভুল কিন্তু উক্তি II টো শুদ্ধ

**Question Number : 33 Question Id : 7155052683 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058469. Both Statement I and Statement II are correct

7155058470. Both Statement I and Statement II are incorrect

7155058471. Statement I is correct but statement II is incorrect

7155058472. Statement I is incorrect but statement II is correct

**Question Number : 33 Question Id : 7155052683 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

তলত দুটা তথ্য দিয়া হৈছেঃ

**তথ্য I :** কাঁচৰ তাপ পৰিবহন ক্ষমতা কম

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

ওপৰৰ তথ্যৰ ভিত্তিত শুদ্ধ উত্তৰটো চিনাক্ত কৰা

**Options :**

7155058469. তথ্য I আৰু তথ্য II দুয়োটা শুদ্ধ

7155058470. তথ্য I আৰু তথ্য II দুয়োটা ভুল

7155058471. তথ্য I টো শুদ্ধ কিন্তু তথ্য II টো ভুল

7155058472. তথ্য I টো ভুল কিন্তু তথ্য II টো শুদ্ধ

**Question Number : 34 Question Id : 7155052684 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058473. A-I, B-III, C-II, D-IV

7155058474. A-III, B-IV, C-I, D-II

7155058475. A-IV, B-II, C-III, D-I

7155058476. A-IV, B-III, C-I, D-II

**Question Number : 34 Question Id : 7155052684 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

তালিকা I ব সৈতে তালিকা II ক মিলোৱা

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

Choose the correct answer from the options given below:

**Options :**

7155058473. A-I, B-III, C-II, D-IV

7155058474. A-III, B-IV, C-I, D-II

7155058475. A-IV, B-II, C-III, D-I

7155058476. A-IV, B-III, C-I, D-II

**Question Number : 35 Question Id : 7155052685 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058477. A-IV, B-II, C-I, D-III

7155058478. A-III, B-I, C-II, D-IV

7155058479. A-II, B-I, C-IV, D-III

7155058480. A-I, B-IV, C-III, D-II

Question Number : 35 Question Id : 7155052685 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তালিকা I ৰ সৈতে তালিকা II ক মিলোৱা

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

প্রদত্ত বিকল্পসমূহৰ পৰা শুদ্ধ বিকল্পটো বাছনি কৰকঃ

Options :

7155058477. A-IV, B-II, C-I, D-III

7155058478. A-III, B-I, C-II, D-IV

7155058479. A-II, B-I, C-IV, D-III

7155058480. A-I, B-IV, C-III, D-II

Question Number : 36 Question Id : 7155052686 Question Type : MCQ Option Shuffling : Yes 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 :

7155058481. Blue-Orange

7155058482. Red-Green

7155058483. Blue-Green

7155058484. Violet-Yellow

**Question Number : 36 Question Id : 7155052686 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

তলৰ কোনটো পৰিপূৰণ ৰং নহয়?

**Options :**

7155058481. নীলা- কমলা

7155058482. ৰঙা-সেউজীয়া

7155058483. নীলা-সেউজীয়া

7155058484. বেঙুনীয়া-হালধীয়া

**Question Number : 37 Question Id : 7155052687 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058485. Himachal Pradesh



7155058486. Uttarakhand

7155058487. Uttar Pradesh

7155058488. Madhya Pradesh

**Question Number : 37 Question Id : 7155052687 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ৰবাৰ'ছ গুহাটো ভাৰতৰ কোনখন ৰাজ্যত অৱস্থিতঃ

**Options :**

7155058485. হিমাচল প্ৰদেশ

7155058486. উত্তৰাখণ্ড

7155058487. উত্তৰ প্ৰদেশ

7155058488. মধ্য প্ৰদেশ

**Question Number : 38 Question Id : 7155052688 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058489. Paris

7155058490. Dubai

7155058491. Kuala Lumpur

7155058492. New York

**Question Number : 38 Question Id : 7155052688 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

শুদ্ধ উত্তৰটো বাছনি কৰা:

পেট্ৰোনাছ টাৱাৰটো অৱস্থিত হয়:

**Options :**

7155058489. পেৰিছত

7155058490. দুবাইত

7155058491. কুৱালা লাম্পুৰত

7155058492. নিউয়ৰ্ক

**Question Number : 39 Question Id : 7155052689 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058493. Madhya Pradesh

7155058494. Odisha

7155058495. Karnataka

7155058496. Rajasthan

**Question Number : 39 Question Id : 7155052689 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

কোনার্ক মন্দির কোনখন রাজ্যত অরস্থিত?

**Options :**

7155058493. মধ্য প্রদেশ

7155058494. উর্ষিয়া

7155058495. কর্ণাটিক

7155058496. রাজস্থান

**Question Number : 40 Question Id : 7155052690 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058497. Louis I Kahn

7155058498. Mohse Safdi

7155058499. Fariborz Sahba

7155058500. Richard Meyer

**Question Number : 40 Question Id : 7155052690 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

লোটাছ মন্দিৰৰ বাস্তুকলাবিদ কোন হয়?

**Options :**

7155058497. লুইছ আই কান

7155058498. মোহছে ছাফডি

7155058499. ফৰিজ ছাহবা

7155058500. ৰিছাৰ্ড মিয়াৰ

**Question Number : 41 Question Id : 7155052691 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058501. A dead Bearer

7155058502. A Dumb Waiter

7155058503. A Jockey Boy

7155058504. A push upper

**Question Number : 41 Question Id : 7155052691 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

କମ ଓଜନ କଢ଼ିଓରା ସବୁ ଲିଫ୍ଟର ନାମ କିଃ

**Options :**

7155058501. ଏଟା ଡେଡ ବିୟେର

7155058502. ଏଟା ଡାନ୍ସ ରେହିଟାର

7155058503. ଏଟା ଜକି ବୟ

7155058504. ଏଟା ପୁଛ ଆପାର

**Question Number : 42 Question Id : 7155052692 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058505. Bhubaneswar-Puri

7155058506. Puri-Cuttack

7155058507. Bhubaneswar-Cuttack

7155058508. Bhubaneswar-Rourkela

**Question Number : 42 Question Id : 7155052692 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

উৰিষ্যাৰ যমজ চহৰ হিচাপে জনাজাত কোনখন?

**Options :**

7155058505. ভূৰনেশ্বৰ-পুৰী

7155058506. পুৰী-কটক

7155058507. ভূৰনেশ্বৰ-কটক

7155058508. ভূৰনেশ্বৰ-ৰাণেশ্বৰ

**Question Number : 43 Question Id : 7155052693 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058509. Mesopotamia-Harappa-Egyptian-Chinese

7155058510. Mesopotamia-Egyptian-Harappa-Chinese

7155058511. Mesopotamia-Chinese-Harappa-Egyptian

7155058512. Egyptian-Mesopotamia-Harappa-Sumerian

**Question Number : 43 Question Id : 7155052693 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

মানৱ সভ্যতাৰ উত্থানৰ শুদ্ধ ক্ৰমটো চিনাক্ত কৰা?

**Options :**

7155058509. মেছোপটেমিয়া-হৰণা-ইজিপ্তিয়ান-চাইনিজ

7155058510. মেছোপটেমিয়া-ইজিপ্তিয়ান-হৰণা-চাইনিজ

7155058511. মেছোপটেমিয়া-চাইনিজ-হৰণা-ইজিপ্তিয়ান

7155058512. ইজিপ্তিয়ান- মেছোপটেমিয়া-হৰণা-ছোমেৰিয়ান

**Question Number : 44 Question Id : 7155052694 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058513. Shah Jahan

7155058514. Jahangir

7155058515. Akbar

7155058516. Qutub ud-din Aibak

**Question Number : 44 Question Id : 7155052694 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0**

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

দিল্লীৰ কুটুব মিনাৰ কোনে নিৰ্মাণ কৰিছিলঃ

**Options :**

7155058513. ছাহ জাহান

7155058514. জাহাংগীৰ

7155058515. আকবৰ

7155058516. কুটুব-উদ্দিন আইবাক

**Question Number : 45 Question Id : 7155052695 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058517. North

7155058518. South

7155058519. East

7155058520. West

**Question Number : 45 Question Id : 7155052695 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**



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

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

**Options :**

7155058517. উত্তৰ

7155058518. দক্ষিণ

7155058519. পূব

7155058520. পশ্চিম

**Question Number : 46 Question Id : 7155052696 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058521. Raj Rewal

7155058522. Charles Correa

7155058523. Achyut Kanvinde

7155058524. Hafeez Contractor

**Question Number : 46 Question Id : 7155052696 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

জয়পুৰৰ জৱাহৰ কলা কেন্দ্ৰৰ বাস্তুকলাবিদ কোন হয়?

**Options :**

7155058521. ৰাজ ৰিৱাল

7155058522. চাৰ্লজ কেৰিয়া

7155058523. অচ্যুত কানবিন্দে

7155058524. হাফিজ কন্ট্ৰেক্টৰ

**Question Number : 47 Question Id : 7155052697 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058525. Coastal Areas

7155058526. Plains

7155058527. Mountainous Region

7155058528. Desert Areas

**Question Number : 47 Question Id : 7155052697 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ধজ্জি দিৱাৰী \_\_\_\_\_ ঠাইৰ এটা নিৰ্মাণশৈলী হয়।

**Options :**

7155058525. সাগৰীয় উপকণ্ঠ অঞ্চল

7155058526. সমতল

7155058527. পাহাৰীয়া অঞ্চল

7155058528. মৰুভূমি

**Question Number : 48 Question Id : 7155052698 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058529. Marble

7155058530. Granite

7155058531. Shale

7155058532. Sand Stone

**Question Number : 48 Question Id : 7155052698 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

পাহাৰীয়া ঠাইৰ ঘৰৰ মুখচত ব্যৱহাৰ হোৱা শিলৰ নামটো কি?

**Options :**

7155058529. মাৰ্বল

7155058530. গ্ৰেণাইট

7155058531. ছেল

7155058532. বালি শিল

**Question Number : 49 Question Id : 7155052699 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058533. Radio Centric

7155058534. Grid-iron

7155058535. Linear

7155058536. Organic

**Question Number : 49 Question Id : 7155052699 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

চণ্ডীগড় চহৰখন কোনখন নগৰ পৰিকল্পনাৰ উদাহৰণ।

**Options :**

7155058533. ৰেডিঅ চেন্দ্ৰিক

7155058534. গ্ৰীড-আইৰণ

7155058535. লিনিয়াৰ

7155058536. অগেনিক

**Question Number : 50 Question Id : 7155052700 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058537. Those facing North

7155058538. Those facing South

7155058539. Those facing East

7155058540. Those facing West

**Question Number : 50 Question Id : 7155052700 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

**Options :**

7155058537. যিবোৰ উত্তৰ দিশে মুখ কৰি আছে

7155058538. যিবোৰে দক্ষিণ দিশত মুখ কৰি আছে

7155058539. যিবোৰে পূব দিশে মুখ কৰি আছে

7155058540. ষিবোৰে পশ্চিম দিশে মুখ কৰি আছে

**Question Number : 51 Question Id : 7155052701 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058541. B.V Doshi

7155058542. C.P Kukreja

7155058543. Raj Rewal

7155058544. Bimal Patel

**Question Number : 51 Question Id : 7155052701 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

**Options :**

7155058541. বি ডি দোশী





7155058542. চি পি কুৰবেজা

7155058543. ৰাজ ৰিৱাল

Question Number : 52 Question Id : 7155052702 Question Type : MCQ Option Shuffling : Yes 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 :

7155058545. A-II, B-I, C-IV, D-III

7155058546. A-I, B-III, C-IV, D-II

7155058547. A-I, B-II, C-III, D-IV

7155058548. A-IV, B-III, C-II, D-I

**Question Number : 52 Question Id : 7155052702 Question Type : MCQ Option Shuffling : Yes Is**





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

**Instruction Time : 0**

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



তালিকা I ৰ সৈতে তালিকা II মিলোৱা

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

প্ৰদত্ত বিকল্পসমূহৰ পৰা শুদ্ধ উত্তৰটো চিনাক্ত কৰা।

**Options :**

7155058545. A-II, B-I, C-IV, D-III

7155058546. A-I, B-III, C-IV, D-II





7155058547. A-I, B-II, C-III, D-IV

7155058548. A-IV, B-III, C-II, D-I

Question Number : 53 Question Id : 7155052703 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058549. A-IV, B-I, C-II, D-III

7155058550. A-II, B-III, C-I, D-IV

7155058551. A-III, B-II, C-I, D-IV

7155058552. A-IV, B-III, C-II, D-I





Question Number : 53 Question Id : 7155052703 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তালিকা I ৰ সৈতে তালিকা II মিলাবা

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

প্রদত্ত বিকল্পসমূহৰ পৰা শুদ্ধ উত্তৰটো বাছনি কৰাঃ

Options :

7155058549. A-IV, B-I, C-II, D-III

7155058550. A-II, B-III, C-I, D-IV

7155058551. A-III, B-II, C-I, D-IV

7155058552. A-IV, B-III, C-II, D-I

Question Number : 54 Question Id : 7155052704 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058553. Both Statement I and Statement II are correct

7155058554. Both Statement I and Statement II are incorrect

7155058555. Statement I is correct but statement II is incorrect

7155058556. Statement I is incorrect but statement II is correct

**Question Number : 54 Question Id : 7155052704 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

তলত দুটা তথ্য দিয়া হৈছে:

**তথ্য I :** ৰঙা, নীয়া আৰু হালধীয়া এটা ৰং ঘূৰ্ণিৰ প্ৰাথমিক ৰং।

**তথ্য II :** ৰং ঘূৰ্ণিত বিপৰীত দিশত অৱস্থিত ৰং বোৰক পৰিপূৰক ৰং বুলি কোৱা হয়।

ওপৰৰ তথ্যৰ ভিত্তিত শুদ্ধ উত্তৰটো চিনাক্ত কৰা

**Options :**

7155058553. তথ্য I আৰু II দুয়োটা তথ্য শুদ্ধ

7155058554. তথ্য I আৰু II দুয়োটা তথ্য ভুল

7155058555. তথ্য I টো শুদ্ধ কিন্তু তথ্য II টো ভুল

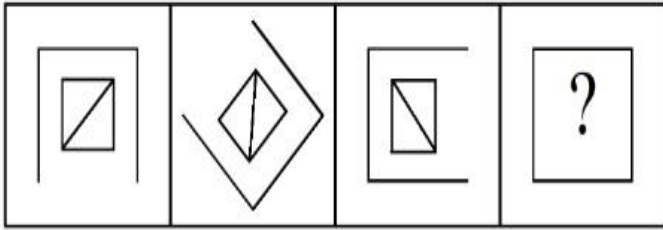
7155058556. তথ্য I টো ভুল কিন্তু তথ্য II টো শুদ্ধ

**Question Number : 55 Question Id : 7155052705 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

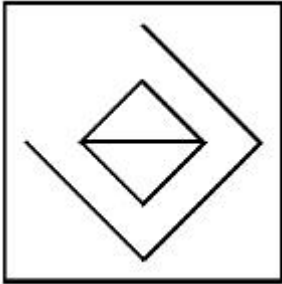
**Correct Marks : 4 Wrong Marks : 1**

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.

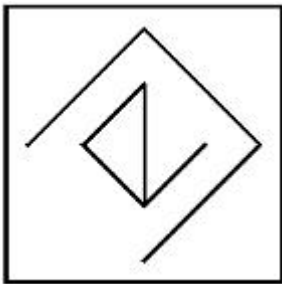
PROBLEM FIGURES



**Options :**

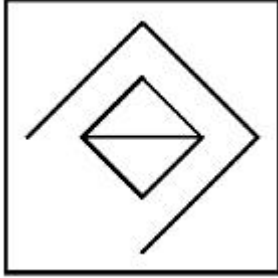
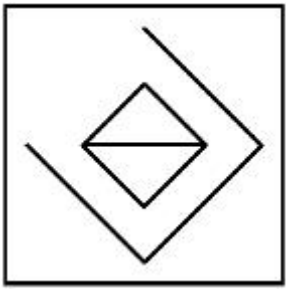


7155058557.



7155058558.

7155058559.

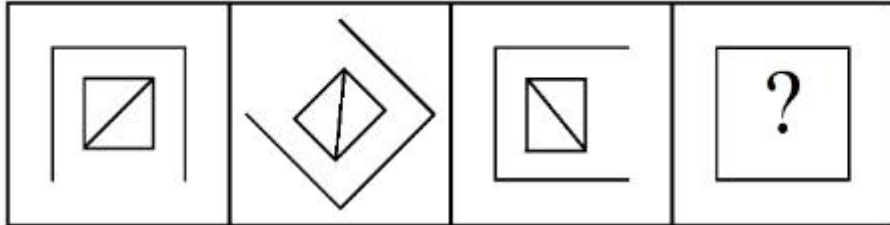


7155058560.

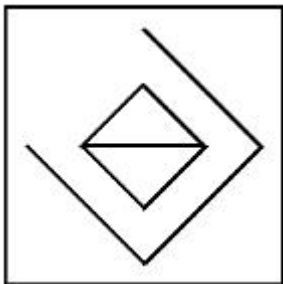
Question Number : 55 Question Id : 7155052705 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

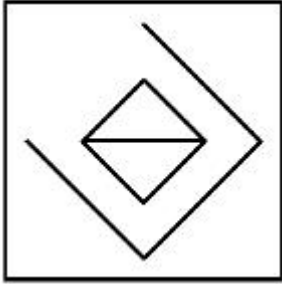


Options :

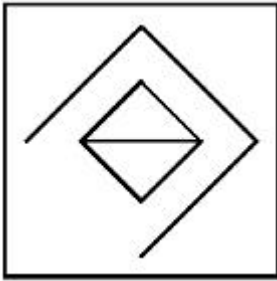


7155058557.

7155058558.



7155058559.

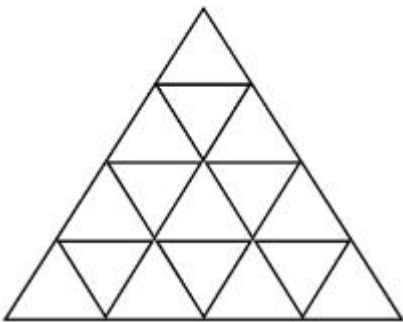


7155058560.

**Question Number : 56 Question Id : 7155052706 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058561. 26

7155058562. 25

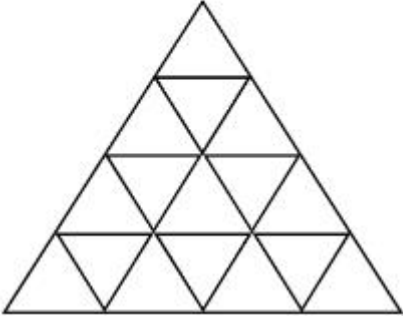
7155058563. 27

7155058564. 24

**Question Number : 56 Question Id : 7155052706 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

উক্ত চিত্রটোত কেইটা ত্ৰিভূজ আছেঃ



**Options :**

7155058561. 26

7155058562. 25

7155058563. 27

7155058564. 24

**Question Number : 57 Question Id : 7155052707 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058565. 59

7155058566. 32

7155058567. 25

7155058568. 9

**Question Number : 57 Question Id : 7155052707 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

নিম্নলিখিত অংকটো চিনাক্ত কৰাঃ

7, 9, 25, 32, 43, 59

**Options :**

7155058565. 59

7155058566. 32

7155058567. 25

7155058568. 9

**Question Number : 58 Question Id : 7155052708 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058569. 45.6 meter

7155058570. 50 meter

7155058571. 50.4 meter

7155058572. 51.6 meter

**Question Number : 58 Question Id : 7155052708 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

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

**Options :**

7155058569. 45.6 meter

7155058570. 50 meter

7155058571. 50.4 meter

7155058572. 51.6 meter

**Question Number : 59 Question Id : 7155052709 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058573. 22ECCU2

7155058574. 22ECCU2

7155058575. SUCCESS

7155058576. SSECCUS

**Question Number : 59 Question Id : 7155052709 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

উক্ত শব্দটোৰ প্ৰতিবিম্বটো চিনাক্ত কৰাঃ

SUCCESS

**Options :**

7155058573. 22ECCU2

7155058574. 22ECCU2

7155058575. SUCCESS

7155058576. SSECCUS

**Question Number : 60 Question Id : 7155052710 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058577. 0.7 km

7155058578. 7000 mm

7155058579. 7 km

7155058580. 70 meter

**Question Number : 60 Question Id : 7155052710 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

**Options :**

7155058577. 0.7 km

7155058578. 7000 mm

7155058579. 7 km

7155058580. 70 meter

**Question Number : 61 Question Id : 7155052711 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058581. 8 meter  $\times$  4 meter

7155058582. 80 meter  $\times$  40 meter

7155058583. 8 centimeter  $\times$  4 centimeter

7155058584. 4 meter  $\times$  2 meter

**Question Number : 61 Question Id : 7155052711 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

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

**Options :**

7155058581. 8 meter  $\times$  4 meter

7155058582. 80 meter  $\times$  40 meter

7155058583. 8 centimeter  $\times$  4 centimeter

7155058584. 4 meter  $\times$  2 meter

**Question Number : 62 Question Id : 7155052712 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058585. 523

7155058586. 521

7155058587. 524

7155058588. 520

**Question Number : 62 Question Id : 7155052712 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

উক্ত ক্রমটোত অনুপস্থিত নম্বৰটো কিঃ

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

**Options :**

7155058585. 523

7155058586. 521

7155058587. 524

7155058588. 520

**Question Number : 63 Question Id : 7155052713 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058589. KVCMA

7155058590. KWCNB

7155058591. KUCLA

7155058592. KVCNA

**Question Number : 63 Question Id : 7155052713 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

**Options :**

7155058589. KVCMA

7155058590. KWCNB

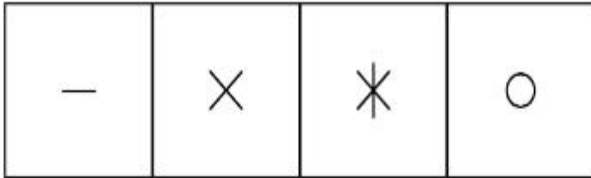
7155058591. KUCLA

7155058592. KVCNA

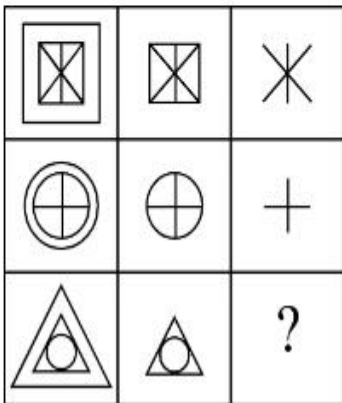
Question Number : 64 Question Id : 7155052714 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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 :

7155058593. D

7155058594. C

7155058595. B

7155058596. A

Question Number : 64 Question Id : 7155052714 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



তলৰ খালি ডব্বাটোত প্ৰযোজ্য হোৱা শুদ্ধ উত্তৰটো চিনাক্ত কৰা।

—	×	*	○
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(A) (B) (C) (D)

		?

Options :

7155058593. D

7155058594. C

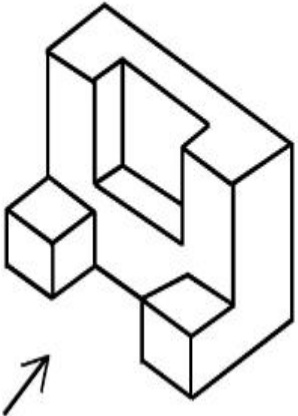
7155058595. B

7155058596. A

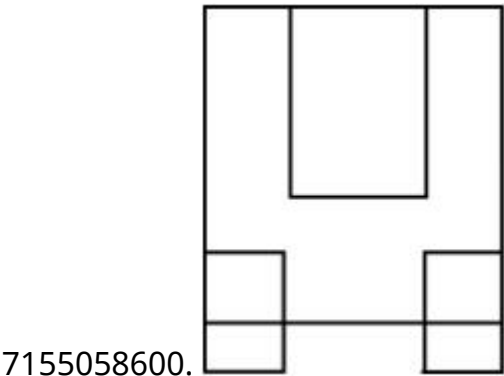
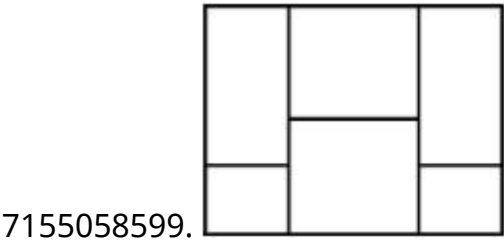
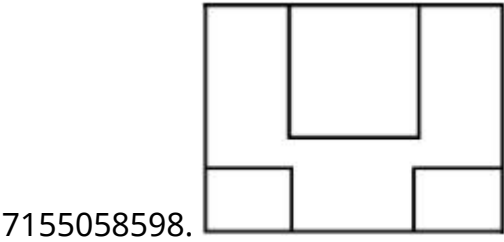
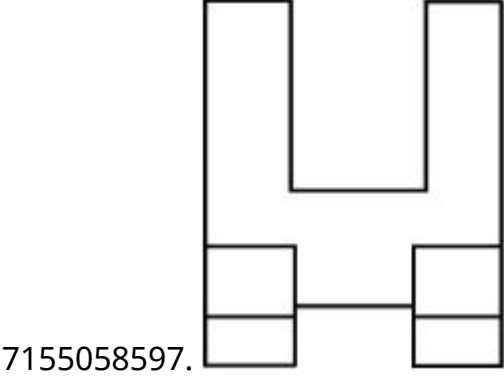
Question Number : 65 Question Id : 7155052715 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0

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.



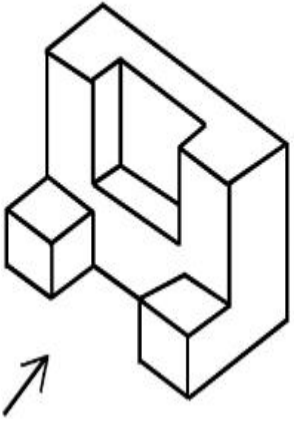
Options :



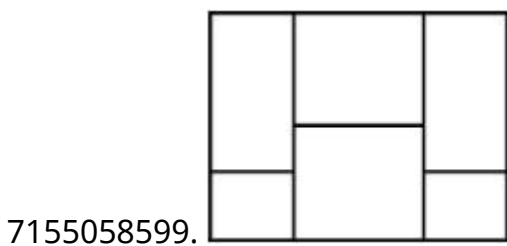
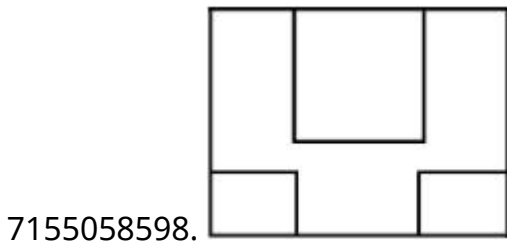
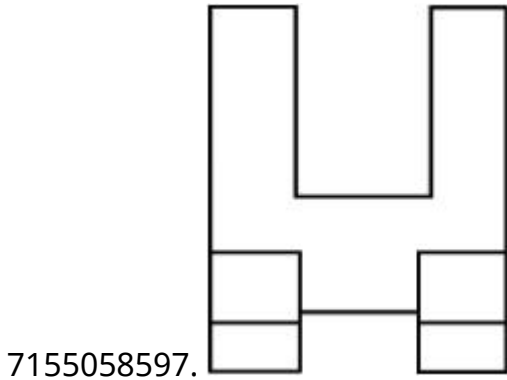
Question Number : 65 Question Id : 7155052715 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

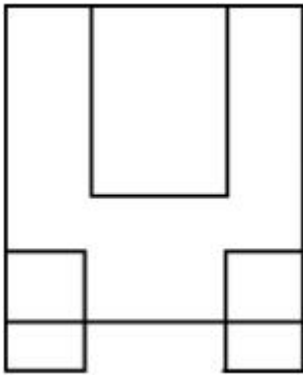
3D চিত্ৰটোৱে এটা বস্তুৰ দৃশ্য। কাঁড় চিহ্নৰ দিশত বস্তুটোৰ শুদ্ধ সন্মুখফালৰ দৃশ্যটো চিনাক্ত কৰা।



Options :



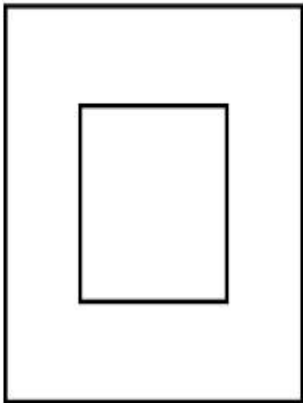
7155058600.



**Question Number : 66 Question Id : 7155052716 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

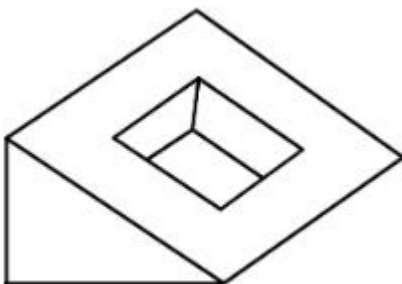
**Correct Marks : 4 Wrong Marks : 1**

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

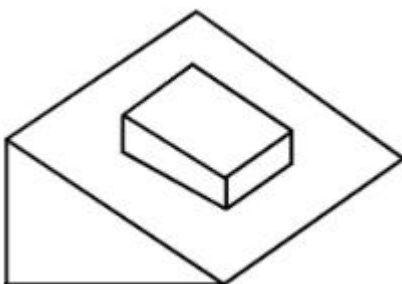


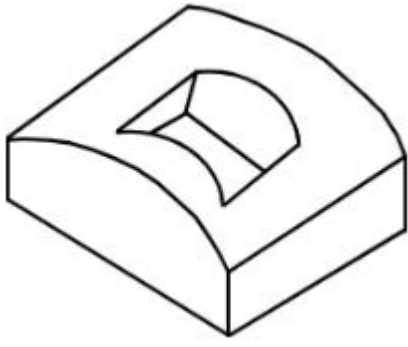
**Options :**

7155058601.

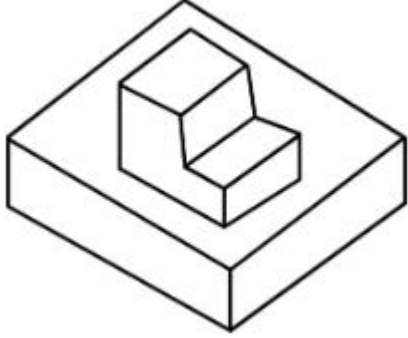


7155058602.





7155058603.

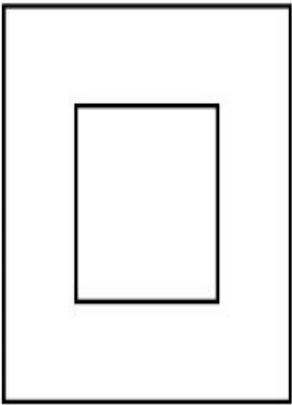


7155058604.

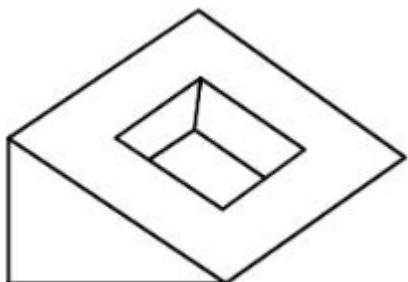
**Question Number : 66 Question Id : 7155052716 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

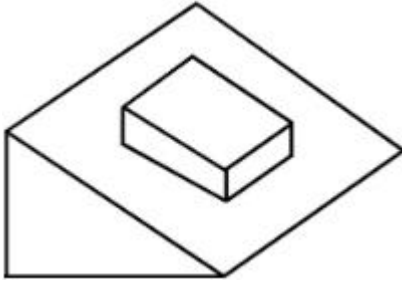


**Options :**

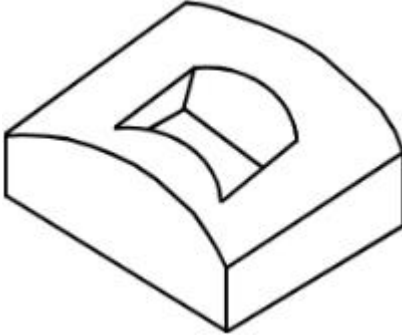


7155058601.

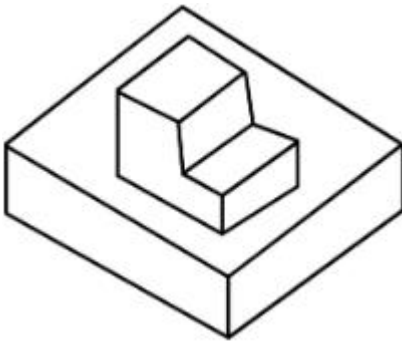
7155058602.



7155058603.



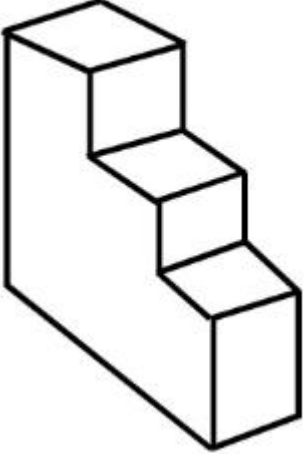
7155058604.



**Question Number : 67 Question Id : 7155052717 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058605. 9

7155058606. 10

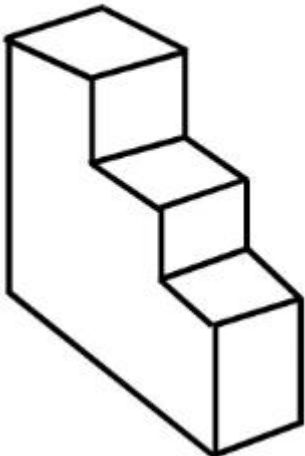
7155058607. 8

7155058608. 11

**Question Number : 67 Question Id : 7155052717 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

উক্ত বস্তুটোৰ কেইখন পৃষ্ঠতল আছে?



**Options :**

7155058605. 9

7155058606. 10

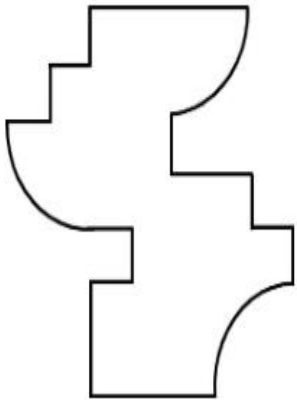
7155058607. 8

7155058608. 11

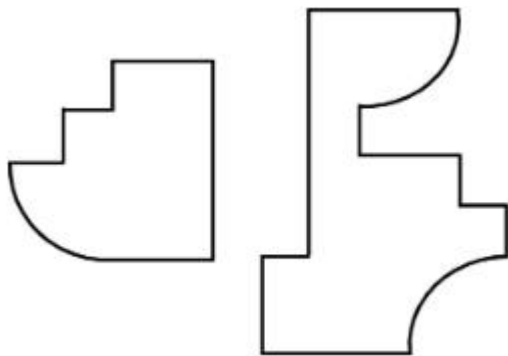
**Question Number : 68 Question Id : 7155052718 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

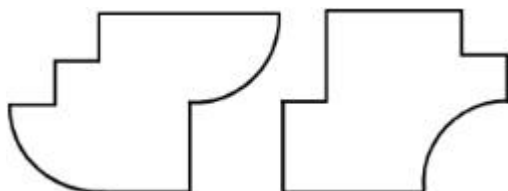
If the question figure is cut into two parts, which of the answer figures complete the question figure without any overlappings?



**Options :**



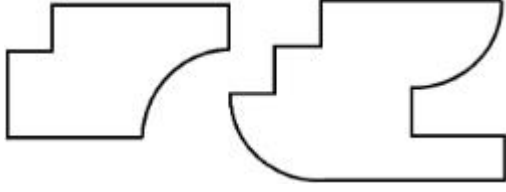
7155058609.



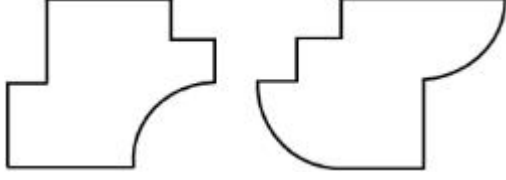
7155058610.



7155058611.



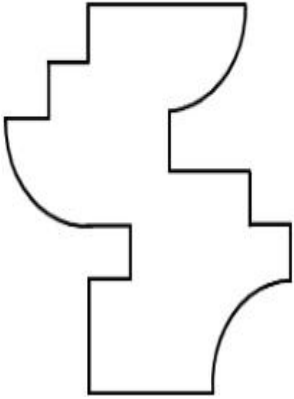
7155058612.



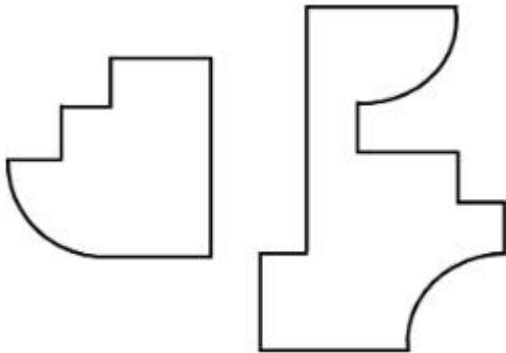
**Question Number : 68 Question Id : 7155052718 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

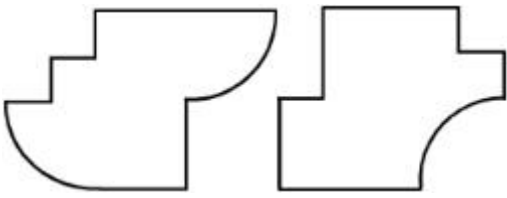


**Options :**

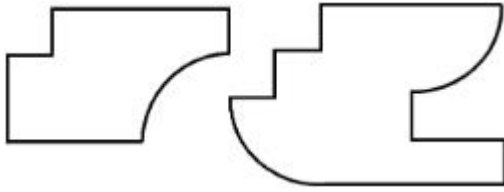


7155058609.

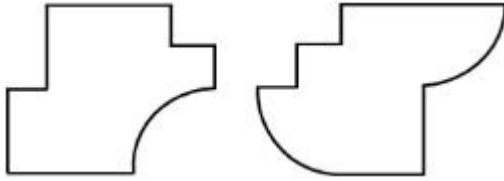
7155058610.



7155058611.



7155058612.



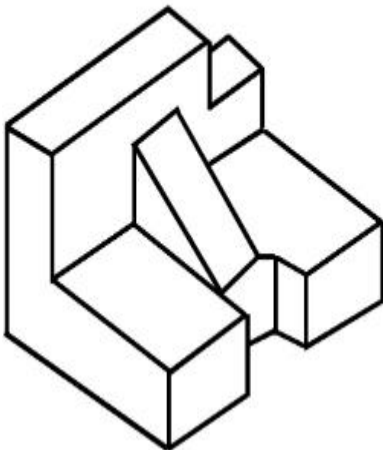
**Question Number : 69 Question Id : 7155052719 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

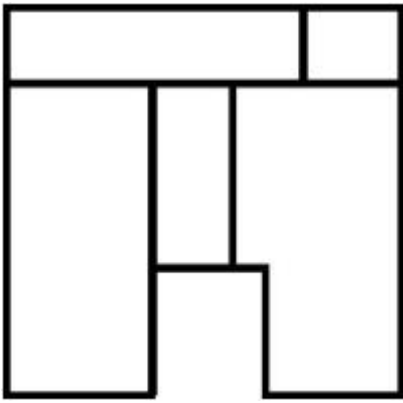
**Correct Marks : 4 Wrong Marks : 1**

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

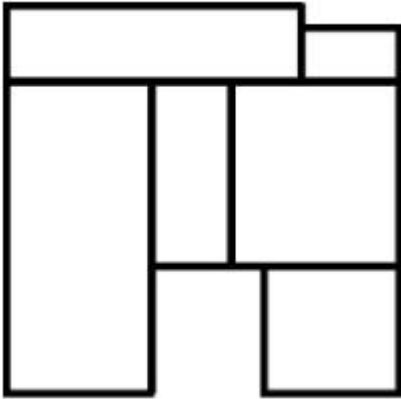


**Options :**

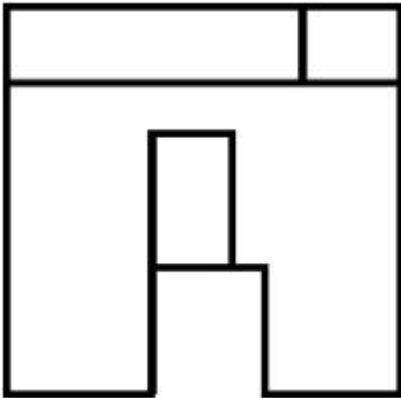
7155058613.



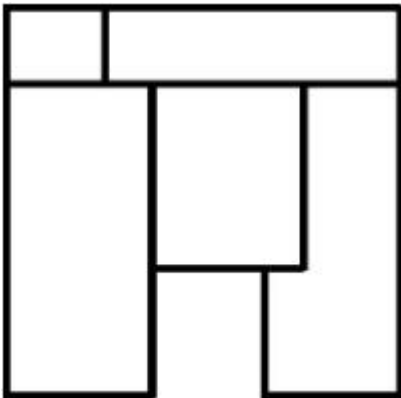
7155058614.



7155058615.



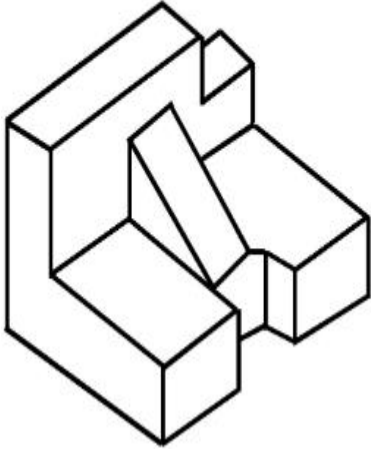
7155058616.



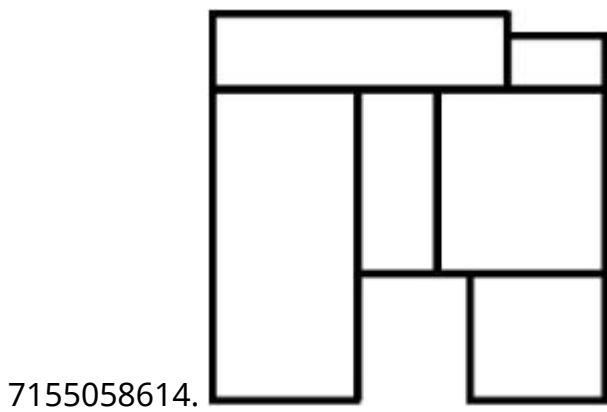
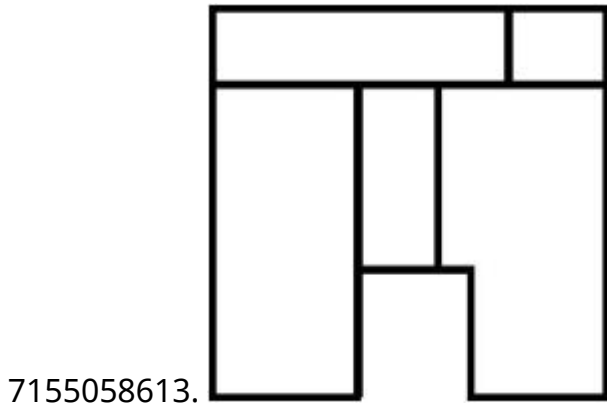
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

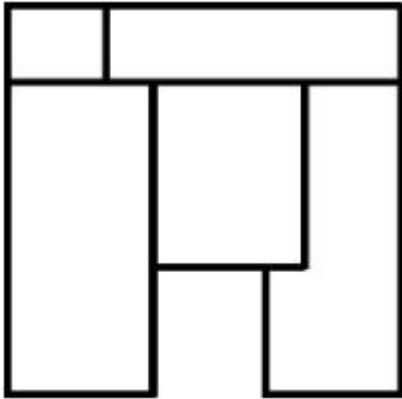
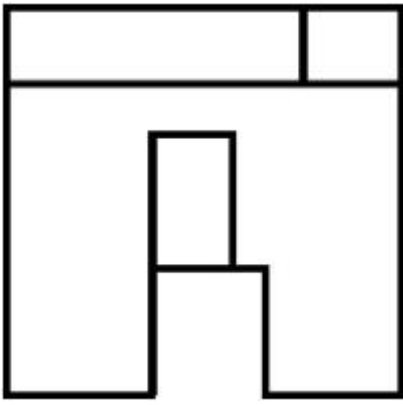
প্ৰশ্নচিত্ৰটোৱে এটা বস্তুৰ 3D দৃশ্য দৰ্শায়। উত্তৰ চিত্ৰসমূহৰ পৰা বস্তুটোৰ শুদ্ধ উত্তৰফালৰ দৃশ্যটো চিনাক্ত কৰা।



Options :



7155058615.



7155058616.

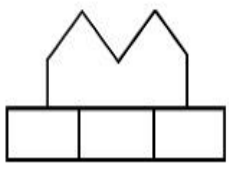
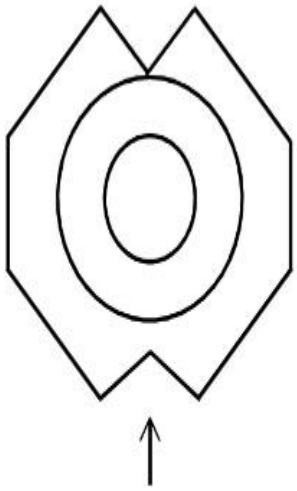
**Question Number : 70 Question Id : 7155052720 Question Type : MCQ Option Shuffling : Yes Is**

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

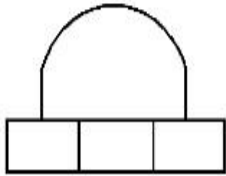
**Instruction Time : 0**

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

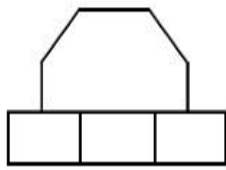
Identify the correct elevation when you look into the object from the marked arrow side of the plan of the object.



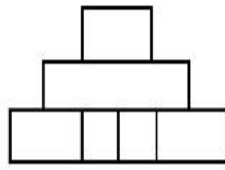
A



B



C



D

**Options :**

7155058617. D

7155058618. A

7155058619. B

7155058620. C

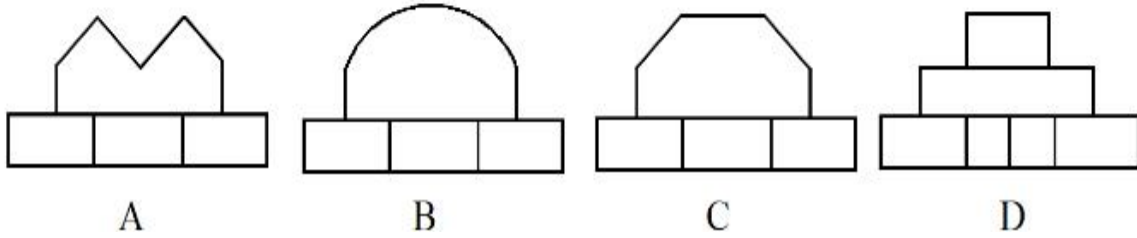
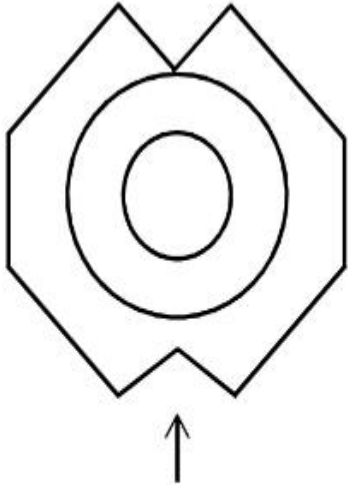
**Question Number : 70 Question Id : 7155052720 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

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



**Options :**

7155058617. D

7155058618. A

7155058619. B

7155058620. C

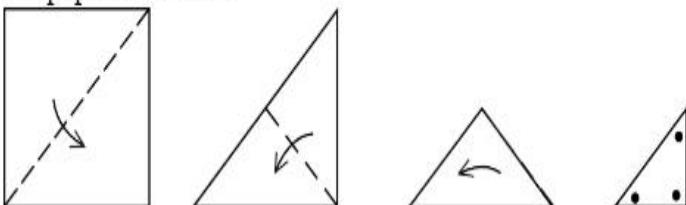
**Question Number : 71 Question Id : 7155052721 Question Type : MCQ Option Shuffling : Yes Is**

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

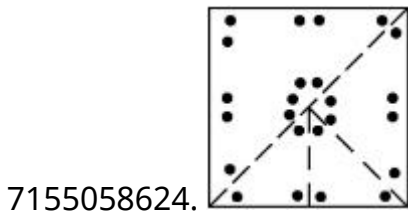
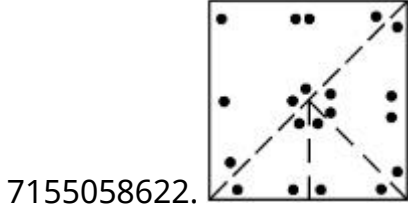
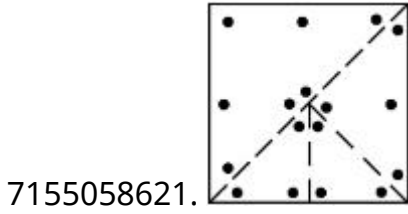
**Instruction Time : 0**

**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 :



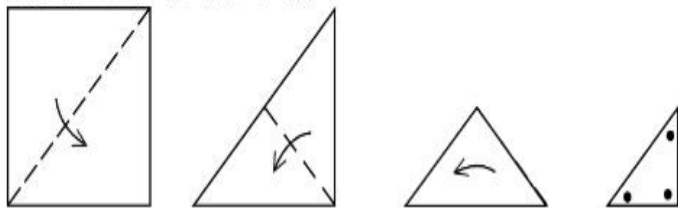
Question Number : 71 Question Id : 7155052721 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

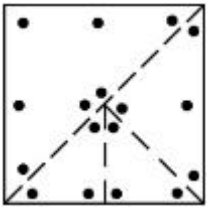
তলত দিয়া ধৰণেৰে এখন কাগজ ভাঁজ কৰি শেষত কটা হৈছে। কাগজখন খোলাৰ পিছত পিছত কি পেটাৰ্ন বনিব চিনাক্ত কৰা।



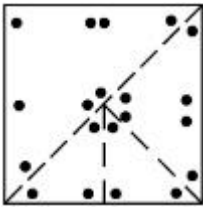
Options :

7155058621.

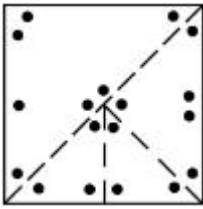




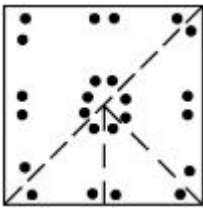
7155058622.



7155058623.



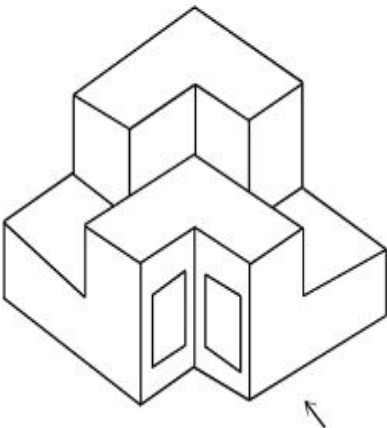
7155058624.



**Question Number : 72 Question Id : 7155052722 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

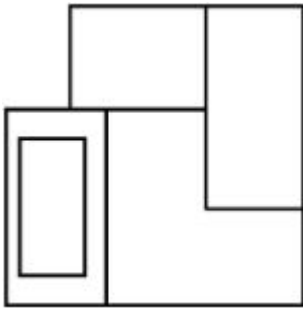
**Correct Marks : 4 Wrong Marks : 1**

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

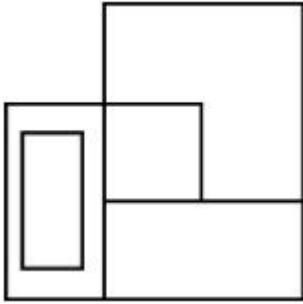


**Options :**

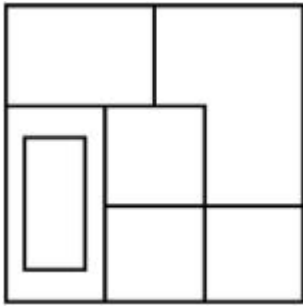
7155058625.



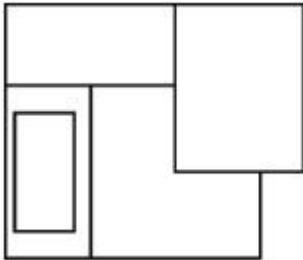
7155058626.



7155058627.



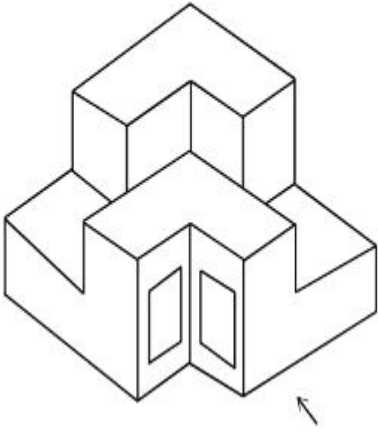
7155058628.



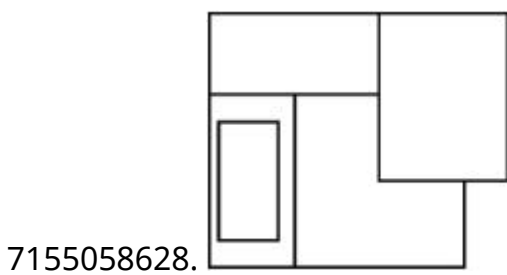
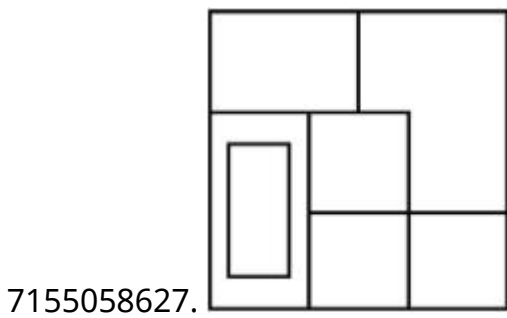
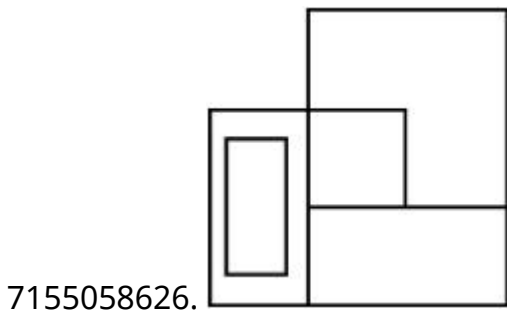
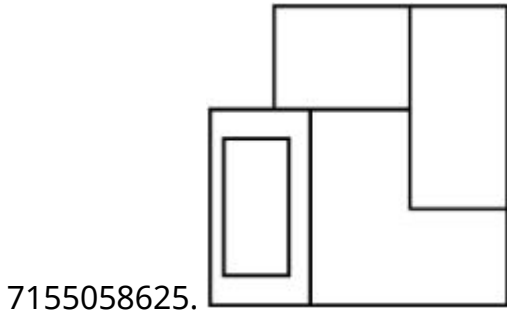
**Question Number : 72 Question Id : 7155052722 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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



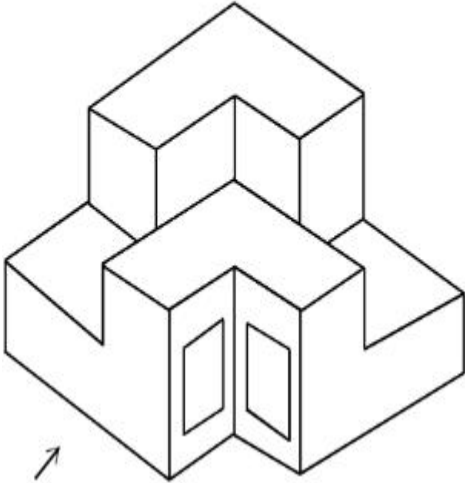
Options :



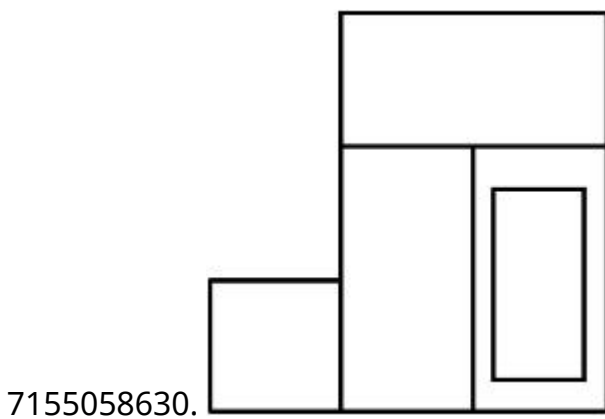
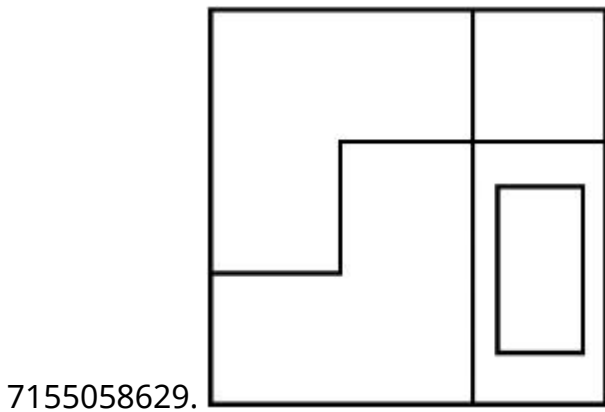
**Question Number : 73 Question Id : 7155052723 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

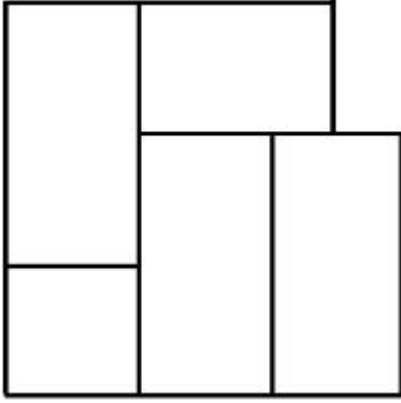
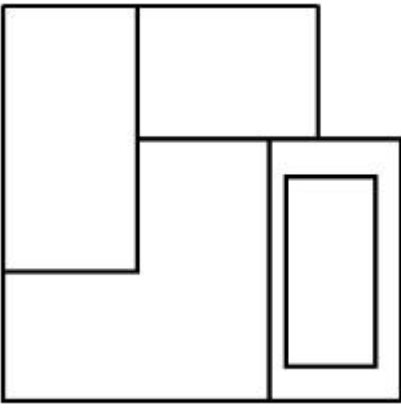
The question figure shows the 3-D view of an object. Identify the correct view, looking in the direction of arrow.



**Options :**



7155058631.

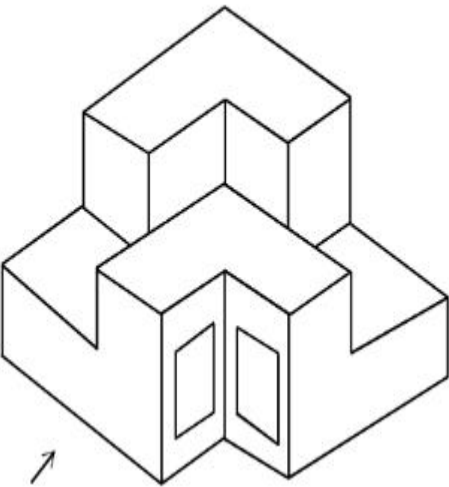


7155058632.

**Question Number : 73 Question Id : 7155052723 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

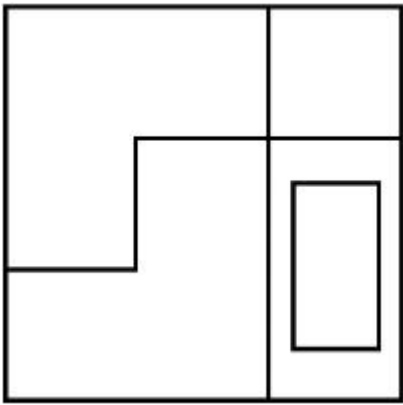
**Correct Marks : 4 Wrong Marks : 1**

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

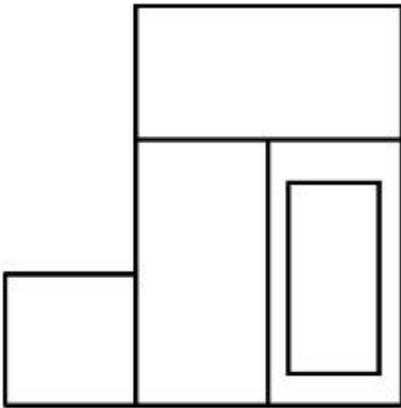


**Options :**

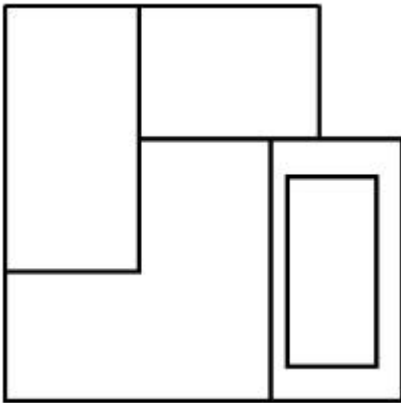
7155058629.



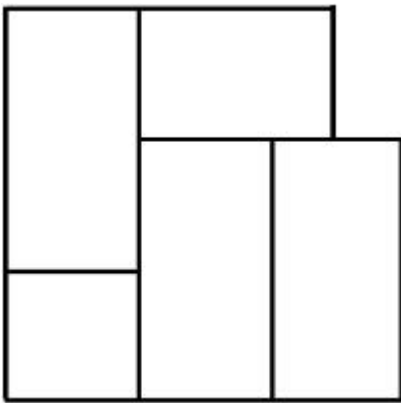
7155058630.



7155058631.



7155058632.

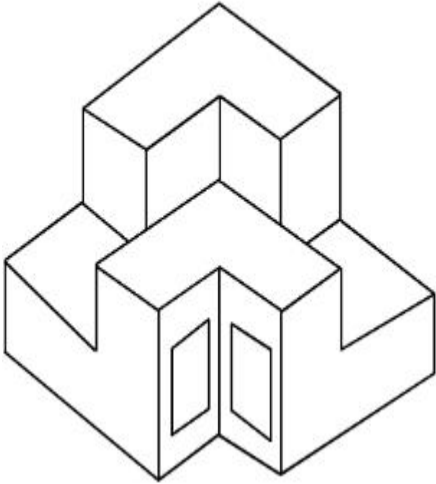


**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0**

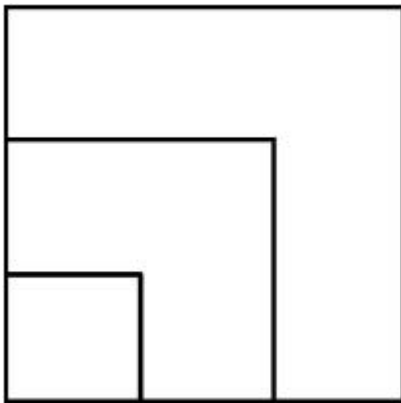
**Correct Marks : 4 Wrong Marks : 1**

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

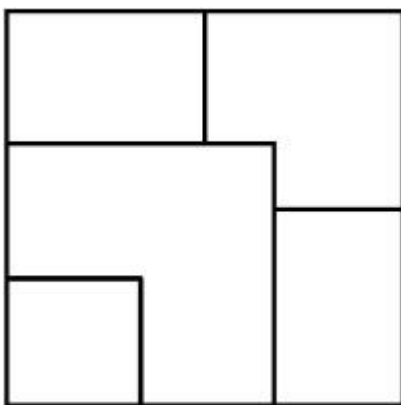


**Options :**

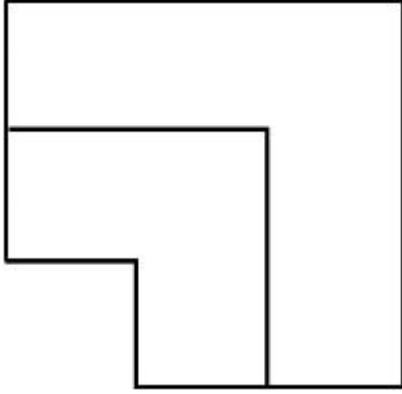
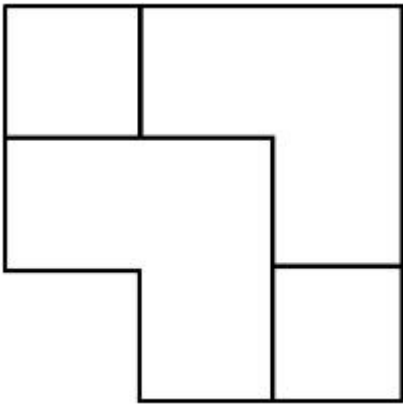
7155058633.



7155058634.



7155058635.

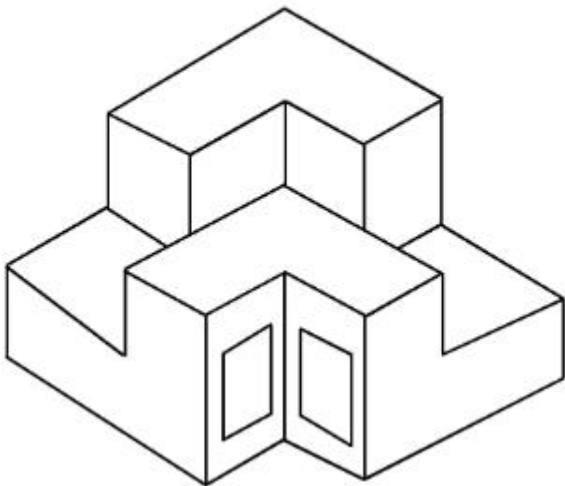


7155058636.

**Question Number : 74 Question Id : 7155052724 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

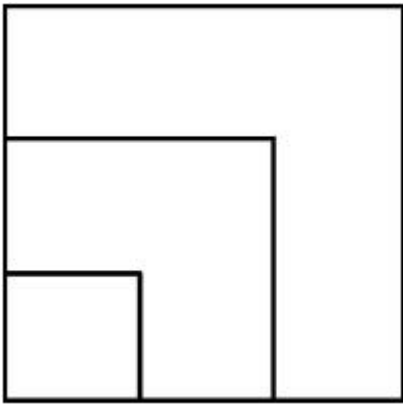
নিম্নাংকিত 3-D দৃশ্যটো চাই বস্তুটোৰ শুদ্ধ উপৰিফালৰ দৃশ্যটো চিনাক্ত কৰা।



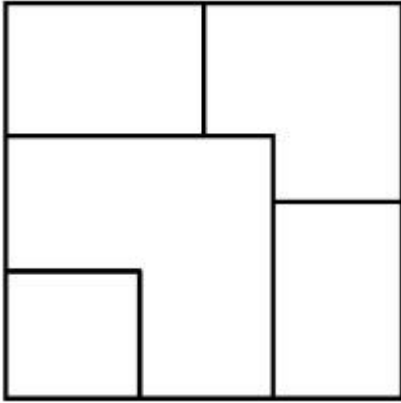
**Options :**

7155058633.

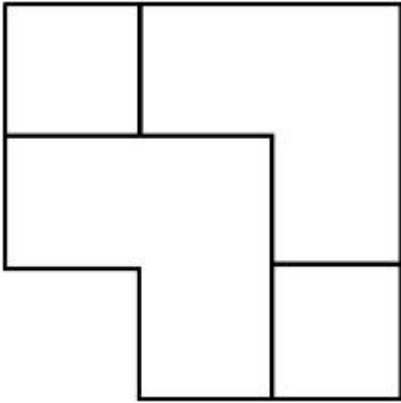




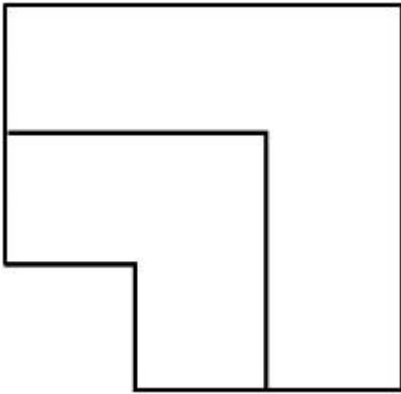
7155058634.



7155058635.



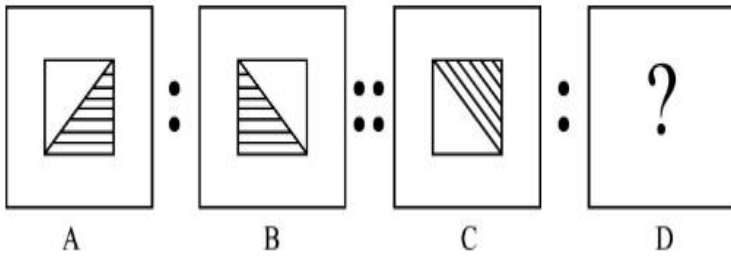
7155058636.



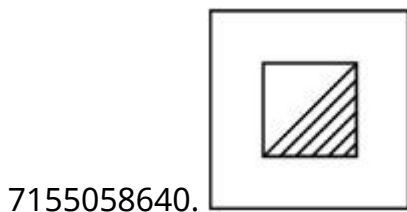
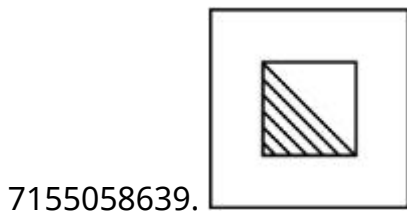
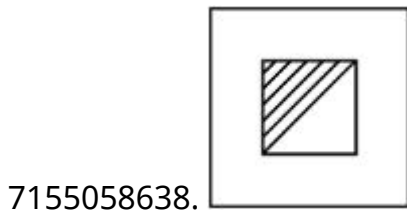
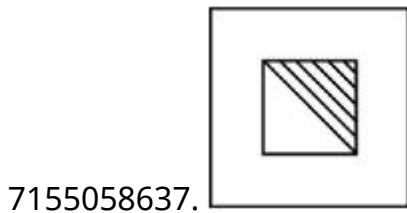
**Instruction Time : 0**

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

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



**Options :**



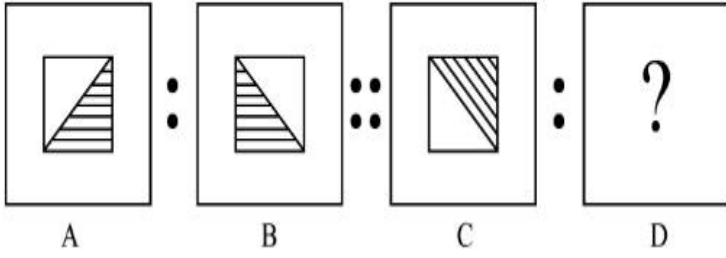
**Question Number : 75 Question Id : 7155052725 Question Type : MCQ Option Shuffling : Yes Is**

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

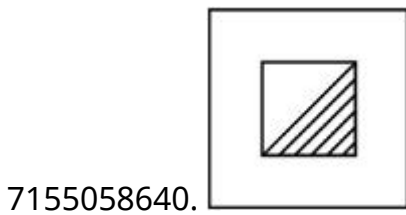
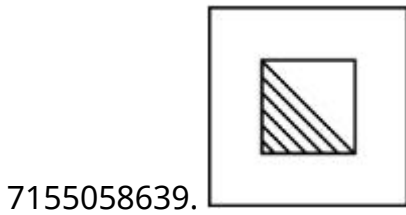
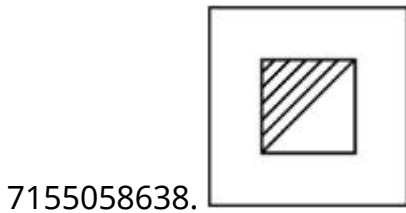
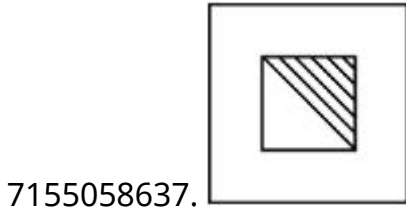
**Instruction Time : 0**

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

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



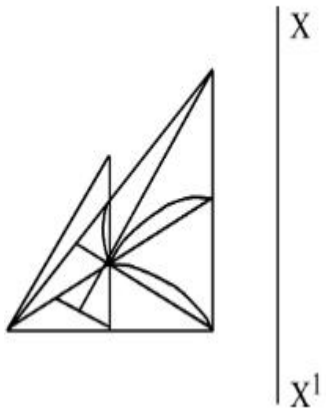
Options :



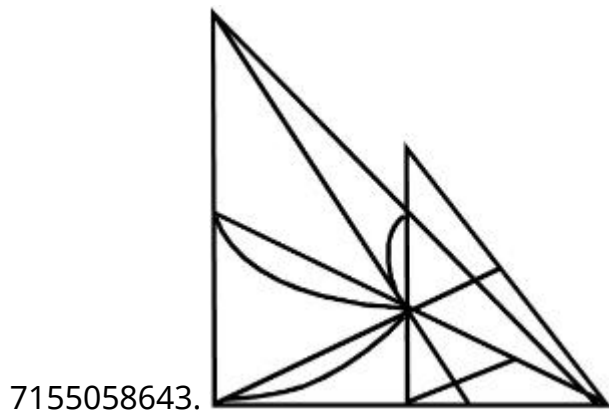
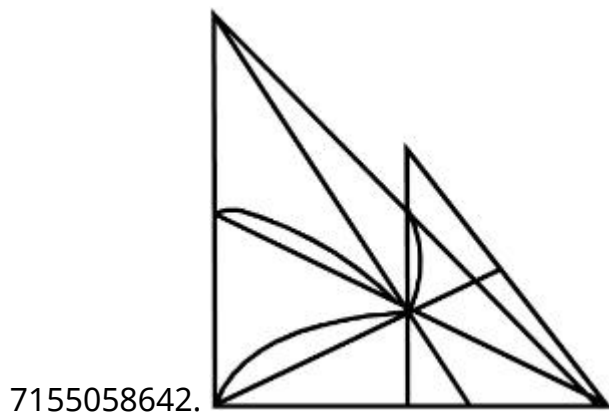
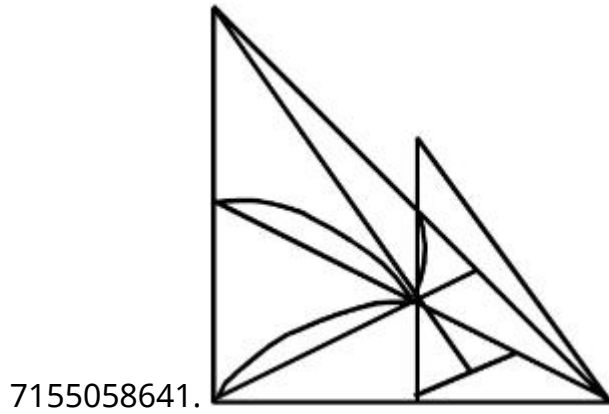
Question Number : 76 Question Id : 7155052726 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

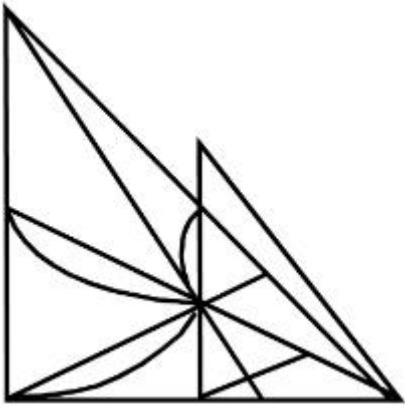
Identify the true mirror image of the figure amongst the answer figures with respect to X-X



Options :



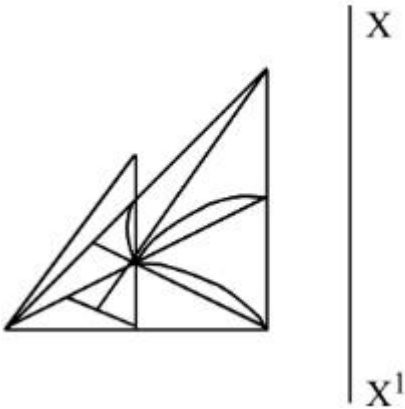
7155058644.



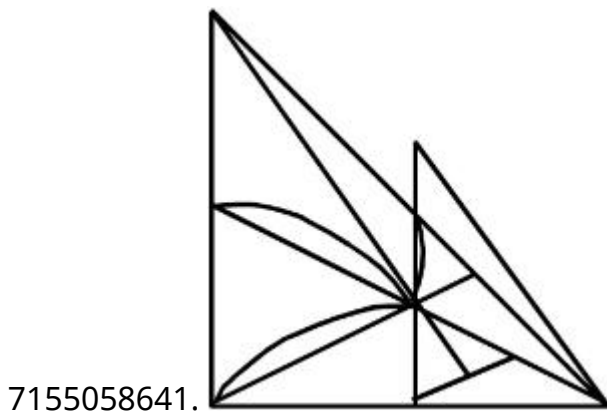
Question Number : 76 Question Id : 7155052726 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

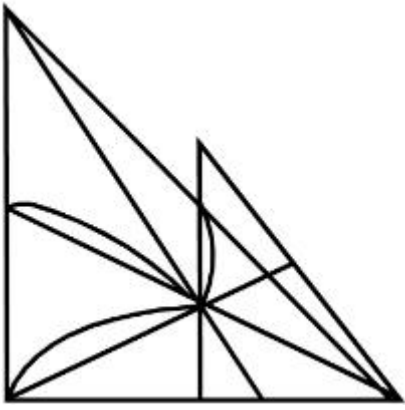
X-X বেখাৰ পৰিপ্ৰেক্ষিতত প্ৰশ্নটোৰ শুদ্ধ প্ৰতিবিন্দটো চিনাক্ত কৰা



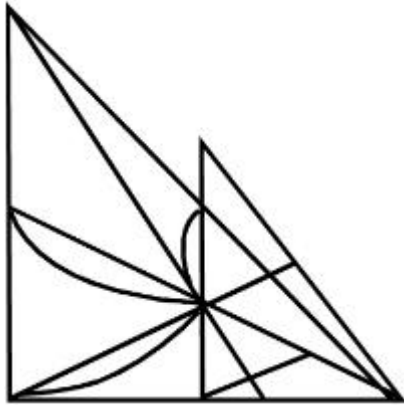
Options :



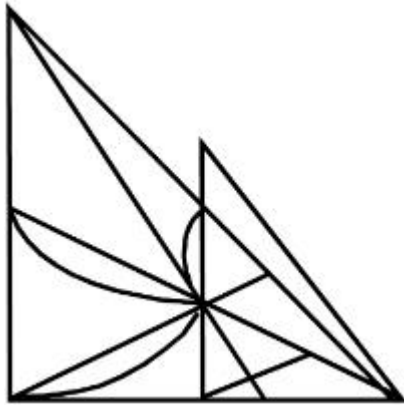
7155058642.



7155058643.



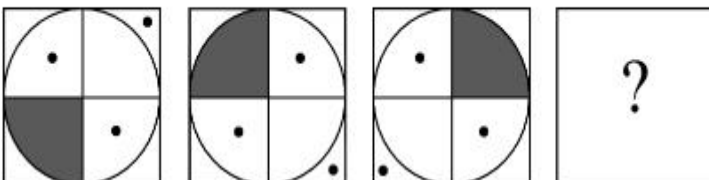
7155058644.



**Question Number : 77 Question Id : 7155052727 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

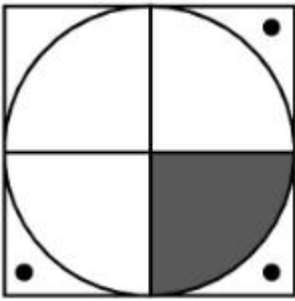
**Correct Marks : 4 Wrong Marks : 1**

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

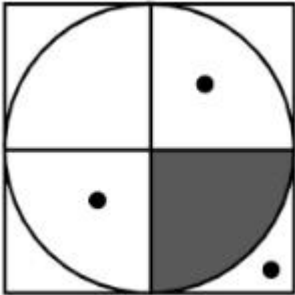


**Options :**

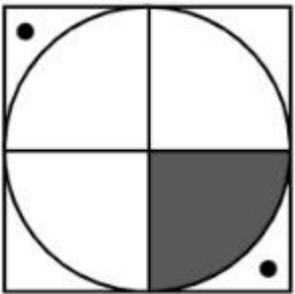
7155058645.



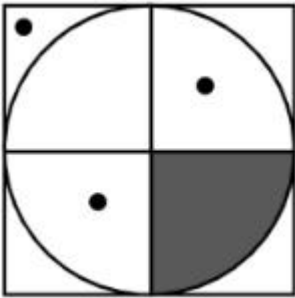
7155058646.



7155058647.



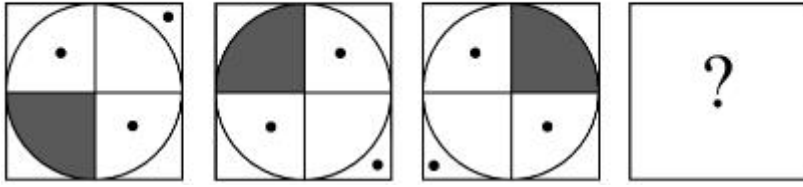
7155058648.



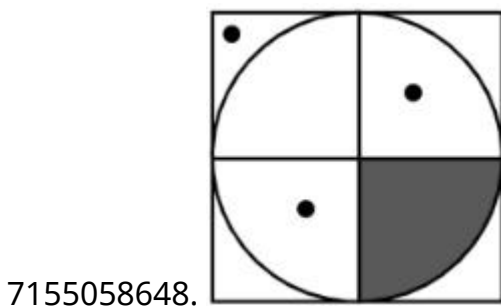
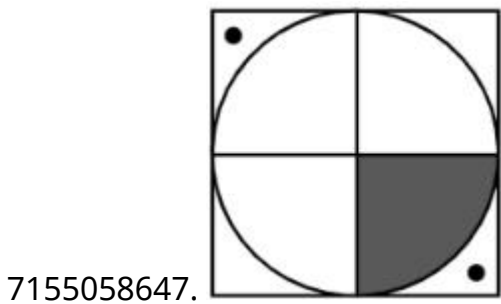
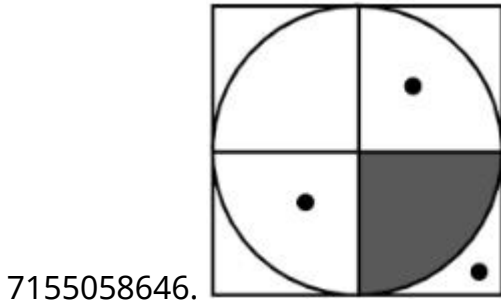
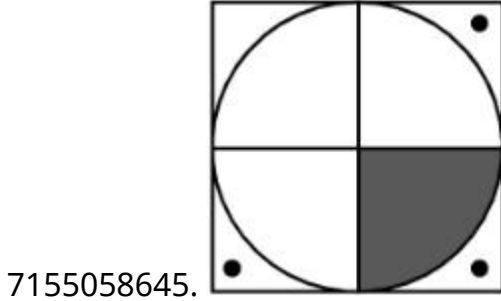
**Question Number : 77 Question Id : 7155052727 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

তলৰ ক্ৰমটো পূৰ্ণ কৰিবলৈ শুদ্ধ উত্তৰটো চিনাক্ত কৰা।



Options :

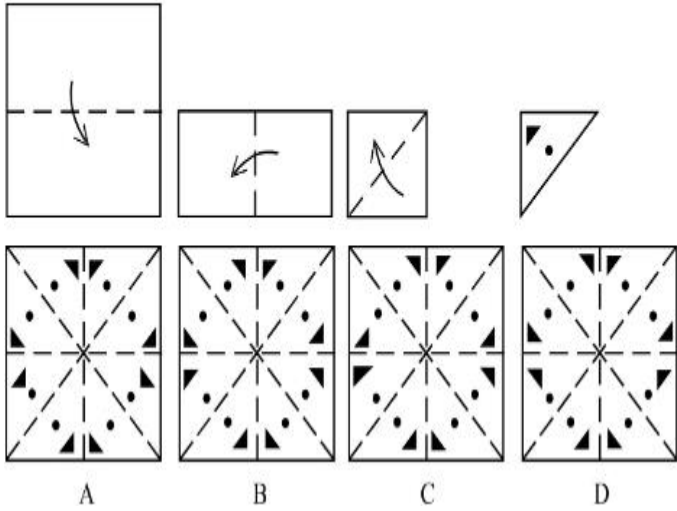




**Instruction Time : 0**

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

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



**Options :**

7155058649. B

7155058650. A

7155058651. D

7155058652. C

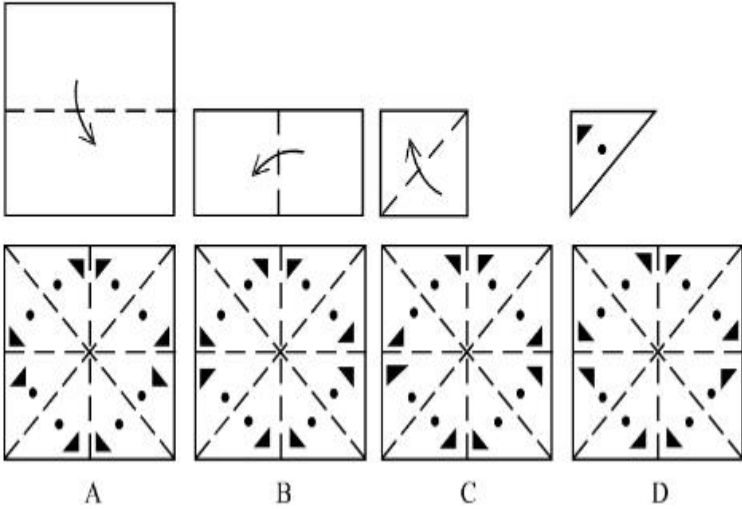
**Question Number : 78 Question Id : 7155052728 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

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



**Options :**

7155058649. B

7155058650. A

7155058651. D

7155058652. C

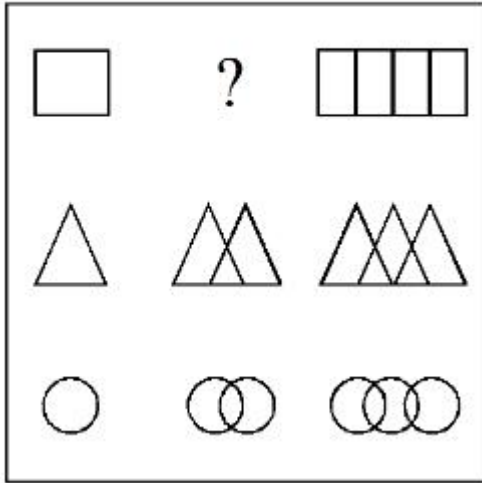
**Question Number : 79 Question Id : 7155052729 Question Type : MCQ Option Shuffling : Yes Is**

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

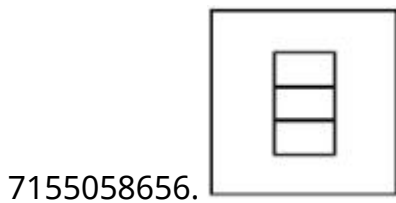
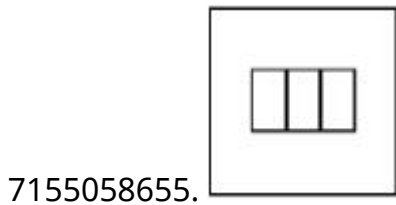
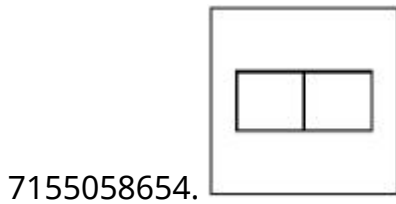
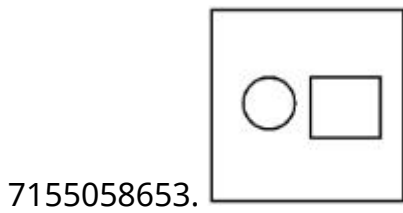
**Instruction Time : 0**

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

In the figure mentioned below find the missing series:-

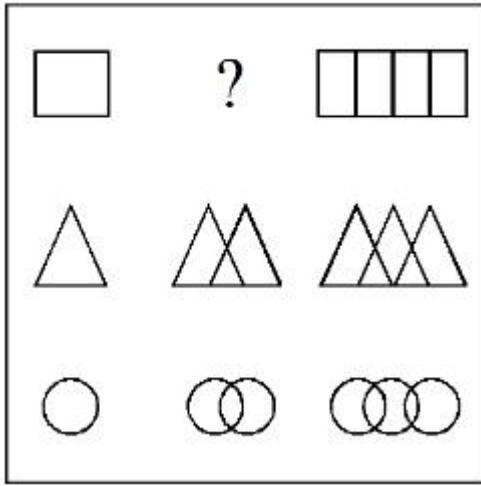


Options :

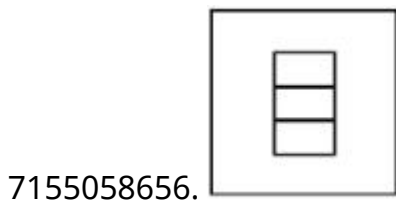
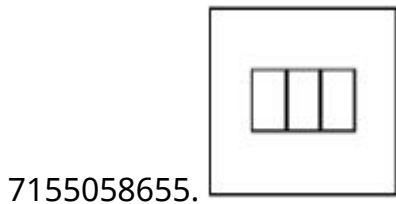
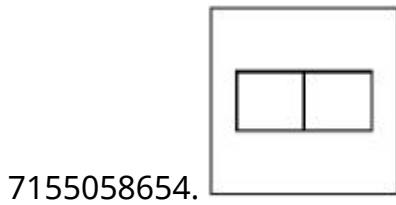
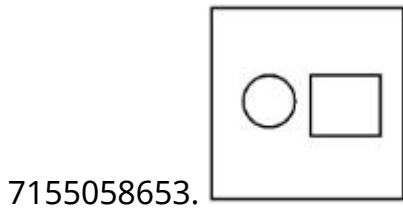


Question Number : 79 Question Id : 7155052729 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

উক্ত চিত্ৰটিৰ ক্ৰমত অনুপস্থিত চিত্ৰটো চিনাক্ত কৰাঃ

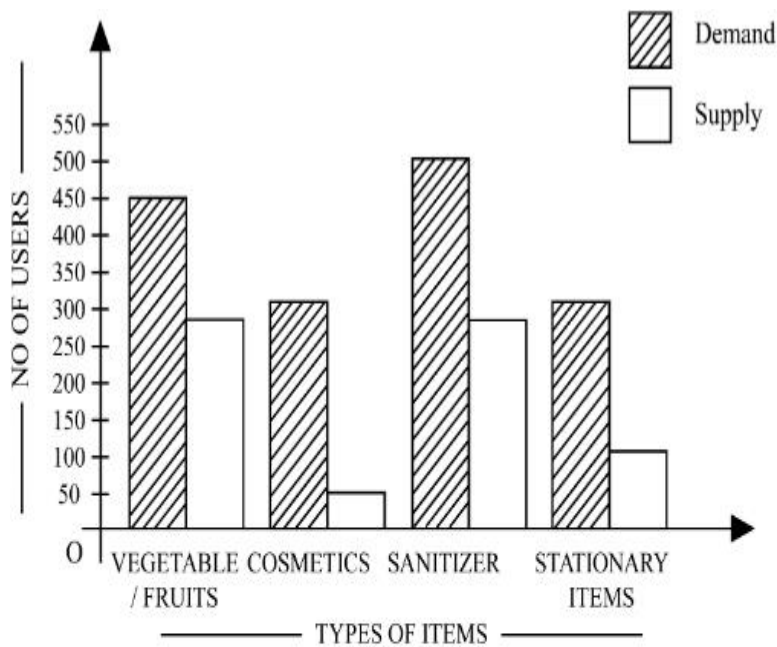


Options :



Question Number : 80 Question Id : 7155052730 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058657. B and D only

7155058658. A and B only

7155058659. A and C only

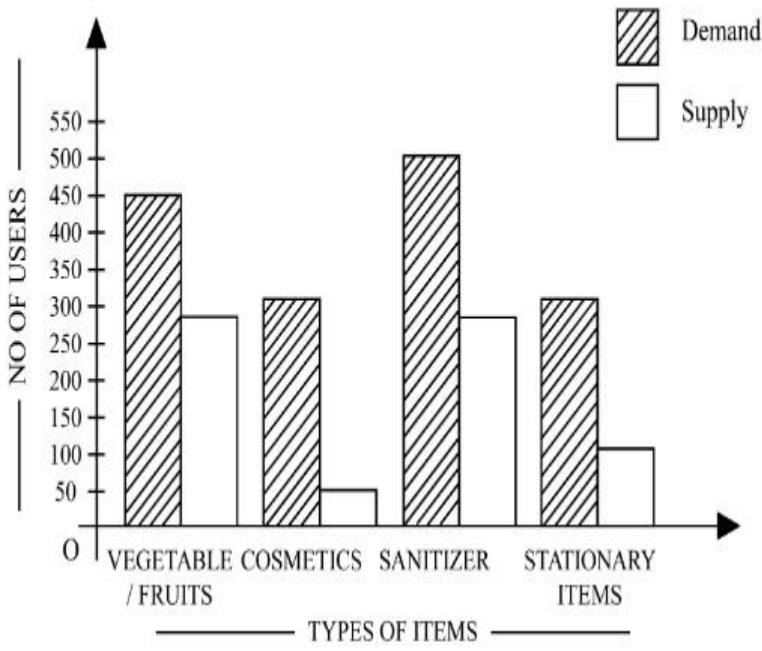
7155058660. B, C and D only

**Question Number : 80 Question Id : 7155052730 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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



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

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

শুদ্ধ উত্তৰটো চিনাক্ত কৰা:

**Options :**

7155058657. কেৱল B আৰু D

7155058658. কেৱল A আৰু B

7155058659. কেৱল A আৰু C

7155058660. কেৱল B, C আৰু D

## Planning

**Section Id :**

715505166

**Section Number :**

4

<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	25
<b>Number of Questions to be attempted :</b>	25
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	715505166
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

**Question Number : 81 Question Id : 7155052731 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

When a person cannot meet a minimum level of living standards compared to others in the same time and place, it is called :

**Options :**

7155058661. Poverty

7155058662. Abundance

7155058663. Adequacy

7155058664. Luxury

**Question Number : 81 Question Id : 7155052731 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

যেতিয়া কোনো এজন ব্যক্তিয়ে আন এজনতকৈ জীৱন যাত্ৰাৰ মানৰ নিম্নতম স্তৰ একে সময়ত আৰু একে ঠাইত পূৰ কৰিব নোৱাৰে কোৱা হয়:

**Options :**

7155058661. দৰিদ্ৰতা

7155058662. ওপচখোৱা অৱস্থা (Abundance)

7155058663. জোখেৰে চলা (Adequacy)

7155058664. বিলাসীতা

**Question Number : 82 Question Id : 7155052732 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

Acropolis in Greece is a/an:

**Options :**

7155058665. Court

7155058666. Citadel on a High Land

7155058667. Open Air Theatre

7155058668. Great Bath

**Question Number : 82 Question Id : 7155052732 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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



গ্ৰীচত Acropolis আছেঃ

**Options :**

7155058665. আদালতত

7155058666. ওখ ভূমিত অৱস্থিত

7155058667. মুকলি বায়ু থিয়েটাৰ

7155058668. গ্ৰেট বাথ (Great Bath)

**Question Number : 83 Question Id : 7155052733 Question Type : MCQ Option Shuffling : Yes 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 Land-use map, identify the colour code used for recreational uses.

**Options :**

7155058669. Yellow

7155058670. Green

7155058671. Purple

7155058672. Blue

**Question Number : 83 Question Id : 7155052733 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ভূমিখণ্ডৰ মানচিত্ৰত, আমোদ-প্ৰমোদৰ বাবে ব্যৱহাৰ কৰা ৰঙৰ কোডটো চিনাক্ত কৰা।

**Options :**

7155058669. হালধীয়া

7155058670. সেউজীয়া

7155058671. বেঙুনীয়া

7155058672. নীলা

**Question Number : 84 Question Id : 7155052734 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

**Statement I :** The plan of Delhi city is in the radial form.

**Statement II :** The plan of Delhi city is in the Grid Iron form.

In the light of the above statements, choose the *correct* answer from the options given below:

**Options :**

7155058673. Both Statement **I** and Statement **II** are true

7155058674. Both Statement **I** and Statement **II** are false

7155058675. Statement **I** is true but Statement **II** is false

7155058676. Statement **I** is false but Statement **II** is true

**Question Number : 84 Question Id : 7155052734 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

উক্তি I : দিল্লী নগৰ পৰিকল্পনা হ'ল ব্যাসাৰ্ধযুক্ত ৰূপ

উক্তি II : দিল্লী নগৰ পৰিকল্পনা Grid Iron ৰূপৰ

ওপৰোক্ত উক্তিৰ আধাৰত তলৰ বিকল্পবোৰৰ পৰা শুদ্ধ উত্তৰটো বাছি উলিওৱা:

**Options :**

7155058673. উক্তি I আৰু উক্তি II দুয়ো সত্য

7155058674. উক্তি I আৰু উক্তি II দুয়ো মিছা

7155058675. উক্তি I সত্য কিন্তু উক্তি II মিছা

7155058676. উক্তি I মিছা কিন্তু উক্তি II সত্য

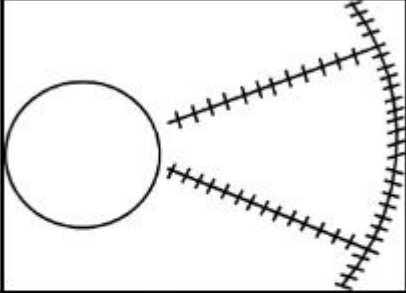
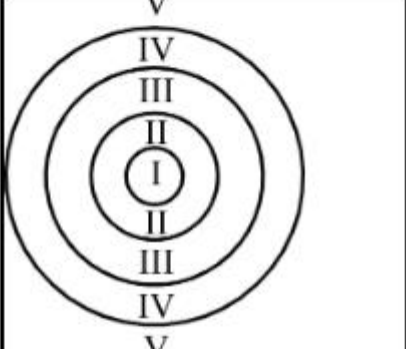
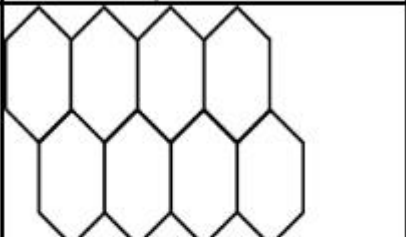
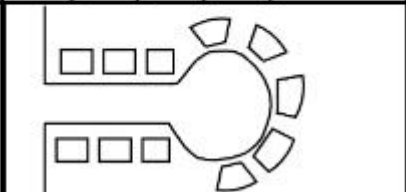
**Question Number : 85 Question Id : 7155052735 Question Type : MCQ Option Shuffling : Yes Is**

**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.	Christaller's concept
B.		II.	Garden City concept
C.		III.	Ernest Burgess
D.		IV.	Radburn concept

Choose the correct answer from the options given below:

**Options :**

7155058677. A-II, B-III, C-I, D-IV

7155058678. A-III, B-I, C-II, D-IV

7155058679. A-IV, B-III, C-I, D-II

7155058680. A-II, B-III, C-IV, D-I

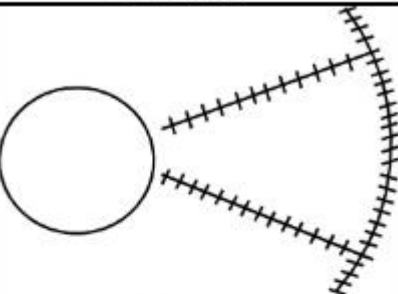
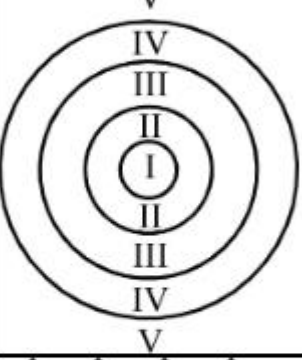
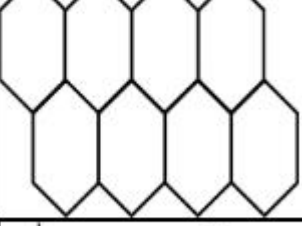
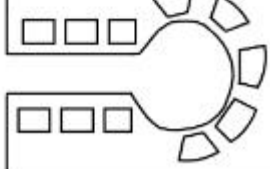
Question Number : 85 Question Id : 7155052735 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তালিকা I ৰ লগত তালিকা II মিলোৱা

	তালিকা I	তালিকা II
A.		I. Christaller's ধাৰণা
B.		II. Garden City ধাৰণা
C.		III. Ernest Burgess
D.		IV. Radburn ধাৰণা

তলৰ উত্তৰবোৰৰ পৰা শুদ্ধ উত্তৰটো বাছনি কৰাঃ

Options :

7155058677. A-II, B-III, C-I, D-IV

7155058678. A-III, B-I, C-II, D-IV

7155058679. A-IV, B-III, C-I, D-II

7155058680. A-II, B-III, C-IV, D-I

Question Number : 86 Question Id : 7155052736 Question Type : MCQ Option Shuffling : Yes 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.	Tower in the Park	I.	Sir Ebenezer Howards
B.	Neighbourhood Unit	II.	Le-Corbusier
C.	Garden City	III.	Clerence Perry
D.	Sector Model	IV.	Homer Hoyt

Choose the correct answer from the options given below:

Options :

7155058681. A-I, B-III, C-IV, D-II

7155058682. A-II, B-III, C-I, D-IV

7155058683. A-II, B-III, C-IV, D-I

7155058684. A-III, B-II, C-I, D-IV

Question Number : 86 Question Id : 7155052736 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তালিকা I ৰ লগত তালিকা II মিলোৱা

তালিকা I		তালিকা II	
A.	Tower in the Park	I.	Sir Ebenezer Howards
B.	Neighbourhood Unit	II.	Le-Corbusier
C.	Garden City	III.	Clerence Perry
D.	Sector Model	IV.	Homes Hoyt's

Choose the correct answer from the options given below:

Options :

7155058681. A-I, B-III, C-IV, D-II

7155058682. A-II, B-III, C-I, D-IV

7155058683. A-II, B-III, C-IV, D-I

7155058684. A-III, B-II, C-I, D-IV

**Question Number : 87 Question Id : 7155052737 Question Type : MCQ Option Shuffling : Yes 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.	1st Five Year Plan	I.	1969-1974
B.	4th Five Year Plan	II.	1951-1956
C.	8th Five Year Plan	III.	1992-1997
D.	11th Five Year Plan	IV.	2007-2012

Choose the correct answer from the options given below:

**Options :**

7155058685. A-I, B-II, C-III, D-IV

7155058686. A-II, B-I, C-III, D-IV

7155058687. A-II, B-III, C-IV, D-I

7155058688. A-II, B-I, C-IV, D-III

**Question Number : 87 Question Id : 7155052737 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

তালিকা I ব লগত তালিকা II মিলোৱা

LIST I		LIST II	
A.	1ম পঞ্চ বার্ষিক পৰিকল্পনা	I.	1969-1974
B.	4র্থ পঞ্চ বার্ষিক পৰিকল্পনা	II.	1951-1956
C.	8ম পঞ্চ বার্ষিক পৰিকল্পনা	III.	1992-1997
D.	11তম পঞ্চ বার্ষিক পৰিকল্পনা	IV.	2007-2012

Choose the correct answer from the options given below:

**Options :**

7155058685. A-I, B-II, C-III, D-IV

7155058686. A-II, B-I, C-III, D-IV

7155058687. A-II, B-III, C-IV, D-I

7155058688. A-II, B-I, C-IV, D-III

**Question Number : 88 Question Id : 7155052738 Question Type : MCQ Option Shuffling : Yes 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.	Madurai	I.	Planned Hill city
B.	Aurovile	II.	Kadamba Vanam
C.	Lavasa	III.	Grid Iron
D.	Chandigarh	IV.	Matri Mandir

Choose the correct answer from the options given below:

**Options :**

7155058689. A-IV, B-I, C-II, D-III

7155058690. A-IV, B-II, C-I, D-III



7155058691. A-I, B-II, C-IV, D-III

7155058692. A-II, B-IV, C-I, D-III

Question Number : 88 Question Id : 7155052738 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

তালিকা I ৰ লগত তালিকা II মিলোৱা

তালিকা I		তালিকা II	
A.	মাদুৰাই	I.	পৰিকল্পিত পাহাৰীয়া নগৰ
B.	Aurovile	II.	Kadamba Vanam
C.	লাভাছা	III.	Grid Iron
D.	চণ্ডীগড়	IV.	মাতৃ মন্দিৰ

তলৰ বিকল্পবোৰৰ পৰা শুদ্ধ উত্তৰটো বাছনি কৰা:

Options :

7155058689. A-IV, B-I, C-II, D-III

7155058690. A-IV, B-II, C-I, D-III

7155058691. A-I, B-II, C-IV, D-III

7155058692. A-II, B-IV, C-I, D-III

Question Number : 89 Question Id : 7155052739 Question Type : MCQ Option Shuffling : Yes 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 article is related to Panchayati Raj ?

Options :

7155058693. Article 243

7155058694. Article 324

7155058695. Article 124

7155058696. Article 73

**Question Number : 89 Question Id : 7155052739 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

পঞ্চায়তী ৰাজৰ সৈতে তলৰ কোনটো অনুচ্ছেদ জড়িত ?

**Options :**

7155058693. 243 অনুচ্ছেদ

7155058694. 324 অনুচ্ছেদ

7155058695. 124 অনুচ্ছেদ

7155058696. 73 অনুচ্ছেদ

**Question Number : 90 Question Id : 7155052740 Question Type : MCQ Option Shuffling : Yes 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 acres is 1 hectare?

**Options :**

7155058697. 2.47

7155058698. 3.47

7155058699. 4.47

7155058700. 5.47

**Question Number : 90 Question Id : 7155052740 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

1 হেক্টৰত কিমান একৰ?

**Options :**

7155058697. 2.47

7155058698. 3.47

7155058699. 4.47

7155058700. 5.47

**Question Number : 91 Question Id : 7155052741 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

What is the full form of the NITI ?

**Options :**

7155058701. National Institute for Transforming India

7155058702. National Industry for Technology India

7155058703. National Industry for Transforming India

7155058704. National Industrial Technical Institute

**Question Number : 91 Question Id : 7155052741 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0**

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

NITI ৰ সম্পূৰ্ণ ভাঙনি হ'ল ?

**Options :**

7155058701. National Institute for Transforming India

7155058702. National Industry for Technology India

7155058703. National Industry for Transforming India

7155058704. National Industrial Technical Institute

**Question Number : 92 Question Id : 7155052742 Question Type : MCQ Option Shuffling : Yes 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 term "Conurbation" was coined by ?

**Options :**

7155058705. Kevin Lynch

7155058706. Patrick Geddes

7155058707. Ebenezer Howard

7155058708. Lewis Mumford

**Question Number : 92 Question Id : 7155052742 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

"Conurbation" পদটো মোহৰ মাৰিছিল ?

**Options :**

7155058705. Kevin Lynch

7155058706. Patrick Geddes

7155058707. Ebenezer Howard

7155058708. Lewis Mumford

**Question Number : 93 Question Id : 7155052743 Question Type : MCQ Option Shuffling : Yes 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 planner of Durgapur city?

**Options :**

7155058709. Le Corbusier

7155058710. Ebenezer Howard

7155058711. Joseph Allen Stein

7155058712. Charles Correa

**Question Number : 93 Question Id : 7155052743 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

দুৰ্গাপুৰ নগৰৰ পৰিকল্পনাকাৰী কোন আছিল?

**Options :**

7155058709. Le Corbusier

7155058710. Ebenezer Howard

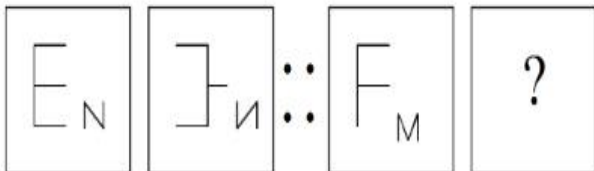
7155058711. Joseph Allen Stein

7155058712. Charles Correa

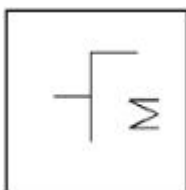
**Question Number : 94 Question Id : 7155052744 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

In problem figures, A and B have certain relation. Identify which one of the answer figures will have similar relation between C and D?

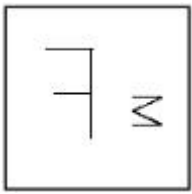


**Options :**



7155058713.

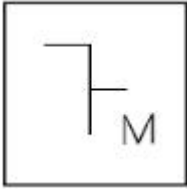
7155058714.



7155058715.



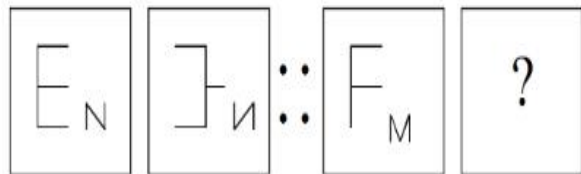
7155058716.



**Question Number : 94 Question Id : 7155052744 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

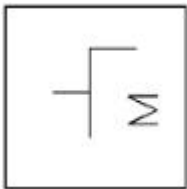
**Correct Marks : 4 Wrong Marks : 1**

তলৰ প্ৰশ্নৰ চিত্ৰত , A আৰু B দুটা নিশ্চিত সম্পৰ্ক আছে। তলৰ C আৰু D ৰ মাজত একে সম্পৰ্ক বুজোৱা তলৰ কোনটো Answer figure হ'ব ?

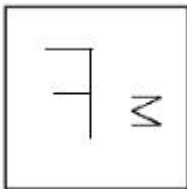


**Options :**

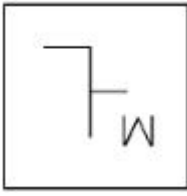
7155058713.



7155058714.



7155058715.



7155058716.



**Question Number : 95 Question Id : 7155052745 Question Type : MCQ Option Shuffling : Yes 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 Housing Development Finance Corporation Limited (HDFC) was founded in:

**Options :**

7155058717. 1947

7155058718. 1961

7155058719. 1977

7155058720. 1981

**Question Number : 95 Question Id : 7155052745 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

গৃহ উন্নয়ন বিত্তীয় নিগম সীমিত (HDFC) নির্ণয় হৈছিল:

**Options :**

7155058717. 1947



7155058718. 1961

7155058719. 1977

7155058720. 1981

**Question Number : 96 Question Id : 7155052746 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0**

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

An essential feature of federal government is:

**Options :**

7155058721. Centralisation of Powers

7155058722. Division of Powers between various levels

7155058723. Opposition

7155058724. Unwritten Constitution

**Question Number : 96 Question Id : 7155052746 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0**

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

যুক্তৰাজ্যীয় চৰকাৰৰ এটা প্ৰয়োজনীয় বৈশিষ্ট্য হ'ব:

**Options :**

7155058721. ক্ষমতা বিকেন্দ্ৰীকৰণ

7155058722. বিভিন্ন স্তৰত ক্ষমতাৰ বিতৰণ

7155058723. বিৰোধী

7155058724. অলিখিত সংবিধান

**Question Number : 97 Question Id : 7155052747 Question Type : MCQ Option Shuffling : Yes 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 is not a public sector bank?

**Options :**

7155058725. ICICI

7155058726. State Bank of India

7155058727. Indian Bank

7155058728. Canara Bank

**Question Number : 97 Question Id : 7155052747 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

তলৰ কোনটো ৰাজহুৱা খণ্ডৰ বেংক নহয়?

**Options :**

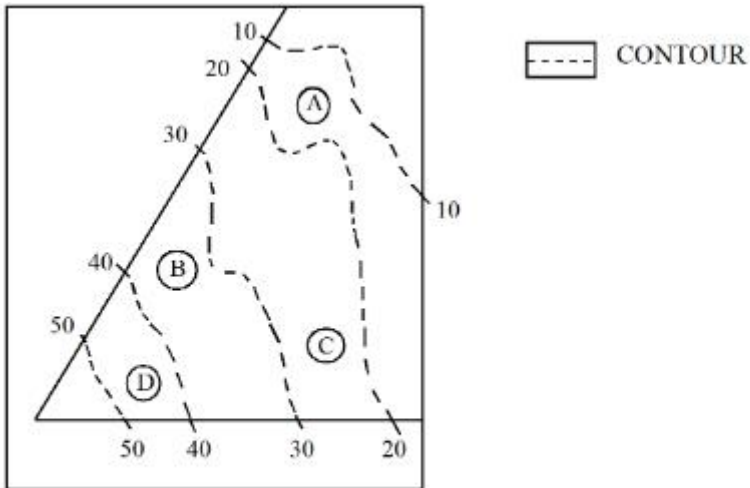
7155058725. ICICI

7155058726. State Bank of India

7155058727. Indian Bank

**Question Number : 98 Question Id : 7155052748 Question Type : MCQ Option Shuffling : Yes 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 given diagram, the location of D on the site is:

**Options :**

7155058729. 30-40

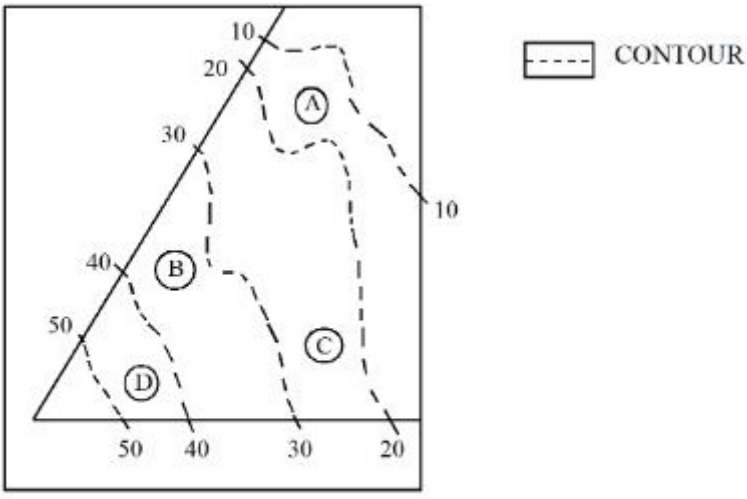
7155058730. 40-50

7155058731. 10-20

7155058732. 20-30

**Question Number : 98 Question Id : 7155052748 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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



প্রদত্ত চিত্রত ঠাইত (site) D ৰ অৱস্থান হ'লঃ

**Options :**

7155058729. 30-40

7155058730. 40-50

7155058731. 10-20

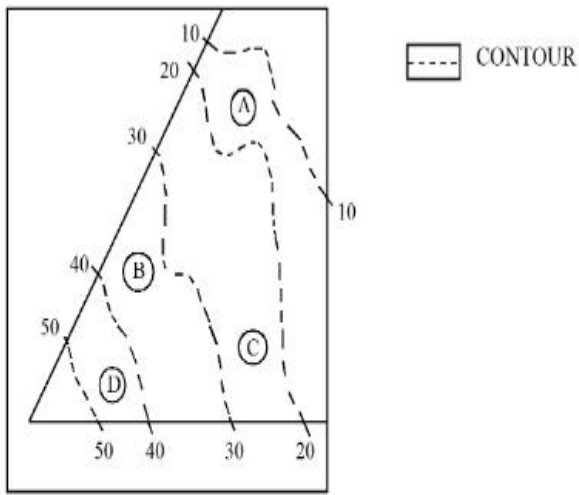
7155058732. 20-30

**Question Number : 99 Question Id : 7155052749 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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



**Statement I:** In the given diagram, the location of B is higher than C

**Statement II:** In the given diagram, the location of A is lower than C

In the light of the above statements, choose the *correct* answer from the options given below:

**Options :**

7155058733. Both Statement **I** and Statement **II** are true

7155058734. Both Statement **I** and Statement **II** are false

7155058735. Statement **I** is true but Statement **II** is false

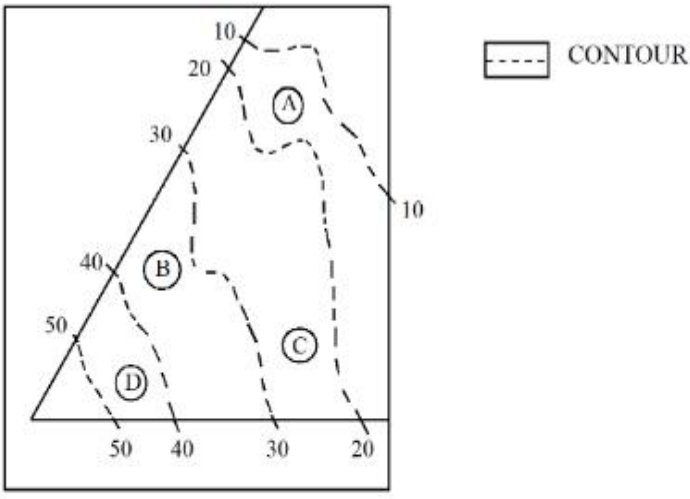
7155058736. Statement **I** is false but Statement **II** is true

**Question Number : 99 Question Id : 7155052749 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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



উক্তি I: প্রদত্ত চিত্রত B ৰ অৱস্থান C ৰ ওখত।

উক্তি II: প্রদত্ত চিত্রত A ৰ অৱস্থান C ৰ তলত

ওপৰোক্ত উক্তিৰ আলমত, তলৰ বিকল্পবোৰৰ পৰা শুদ্ধ উত্তৰটো বাছনি কৰাঃ

Options :

7155058733. উক্তি I আৰু উক্তি II দুয়ো সত্য

7155058734. উক্তি I আৰু উক্তি II দুয়ো মিছা

7155058735. উক্তি I সত্য কিন্তু উক্তি II মিছা

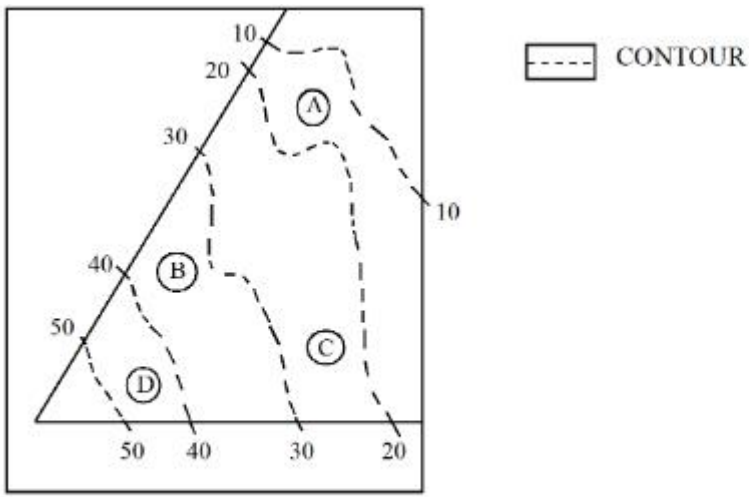
7155058736. উক্তি I মিছা কিন্তু উক্তি II সত্য

Question Number : 100 Question Id : 7155052750 Question Type : MCQ Option Shuffling : Yes

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 given diagram, the location of the A lies on which contour ?

**Options :**

7155058737. 20-30

7155058738. 30-40

7155058739. 10-20

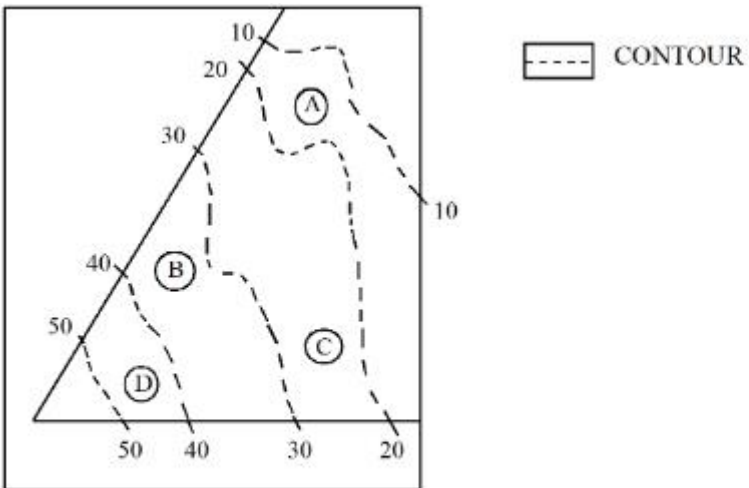
7155058740. 40-50

**Question Number : 100 Question Id : 7155052750 Question Type : MCQ Option Shuffling : Yes**

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

**Minimum Instruction Time : 0**

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



প্রদত্ত চিত্রত A ব অৱস্থান কোনটো contour (বেখাচিত্র)ত থাকিব ?

**Options :**

7155058737. 20-30

7155058738. 30-40

7155058739. 10-20

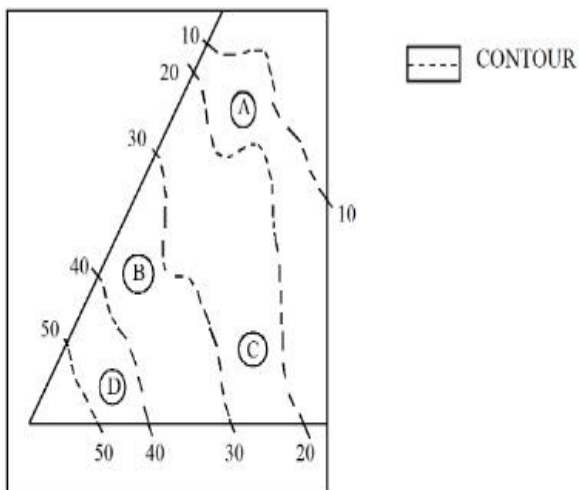
7155058740. 40-50

**Question Number : 101 Question Id : 7155052751 Question Type : MCQ Option Shuffling : Yes**

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

**Minimum Instruction Time : 0**

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



**Statement I:** 'A' is located at the lowest point of the site.

**Statement II:** 'A' is located at a lower point than 'B' on the site.

In the light of the above statements, choose the *correct* answer from the options given below:

**Options :**

7155058741. Both Statement **I** and Statement **II** are true

7155058742. Both Statement **I** and Statement **II** are false

7155058743. Statement **I** is true but Statement **II** is false



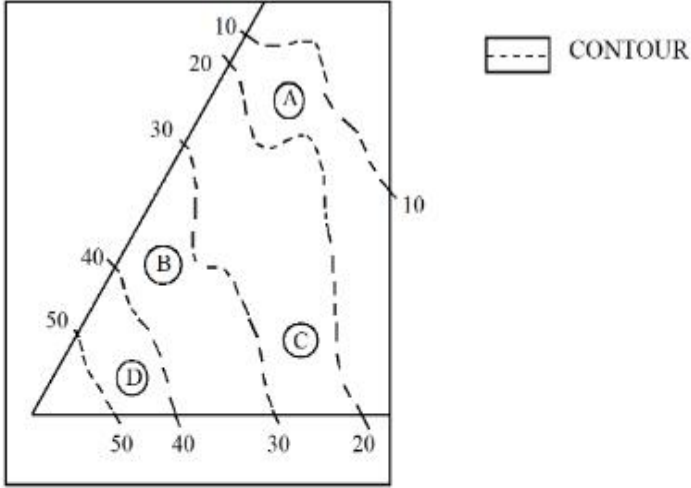
7155058744. Statement I is false but Statement II is true

Question Number : 101 Question Id : 7155052751 Question Type : MCQ Option Shuffling : Yes

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

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



উক্তি I: 'A' ঠাইটোৰ আটাইতকৈ তলত অৱস্থিত।

উক্তি II: ঠাইটোত 'B' তকৈ 'A' তলত অৱস্থিত।

ওপৰোক্ত উক্তিৰ আধাৰত, তলৰ বিকল্পবোৰৰ পৰা শুদ্ধ উত্তৰটো বাছনি কৰা:

Options :

7155058741. উক্তি I আৰু উক্তি II দুয়ো সত্য

7155058742. উক্তি I আৰু উক্তি II দুয়ো মিছা

7155058743. উক্তি I সত্য কিন্তু উক্তি II মিছা

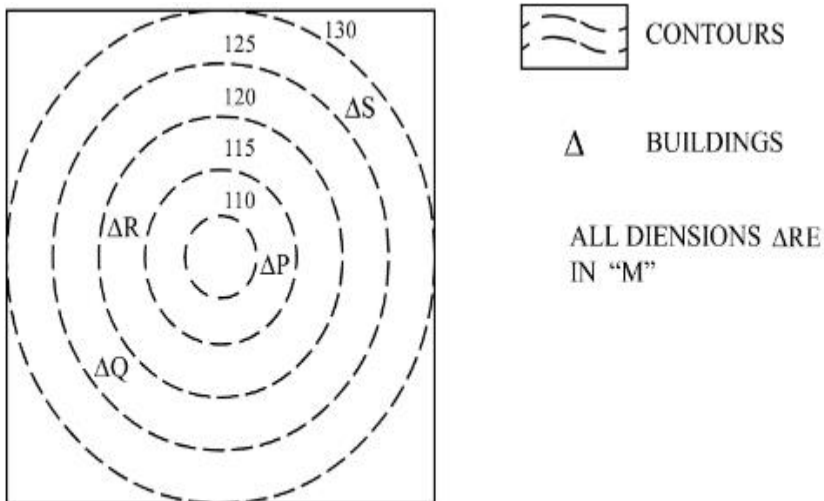
7155058744. উক্তি I মিছা কিন্তু উক্তি II সত্য

Question Number : 102 Question Id : 7155052752 Question Type : MCQ Option Shuffling : Yes

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 given diagram, how many contour levels are present in between "P" and "S"

Options :

7155058745. 2

7155058746. 3

7155058747. 1

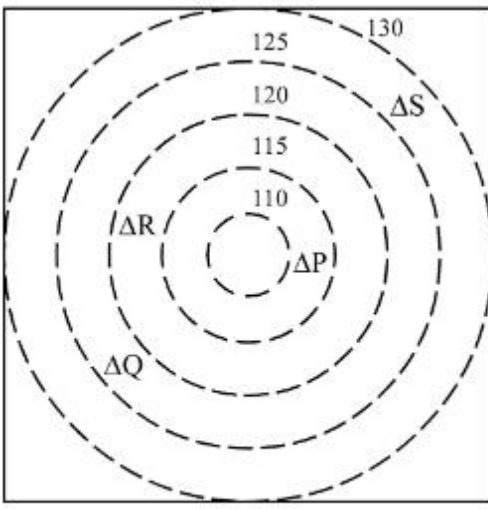
7155058748. 4

Question Number : 102 Question Id : 7155052752 Question Type : MCQ Option Shuffling : Yes

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

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



CONTOURS



BUILDINGS

ALL DIENSIONS ARE  
IN "M"

প্রদত্ত চিত্রত "P" আৰু "S" ৰ মাজত কিমানটা বেখাচিত্র (contour) আছে

**Options :**

7155058745. 2

7155058746. 3

7155058747. 1

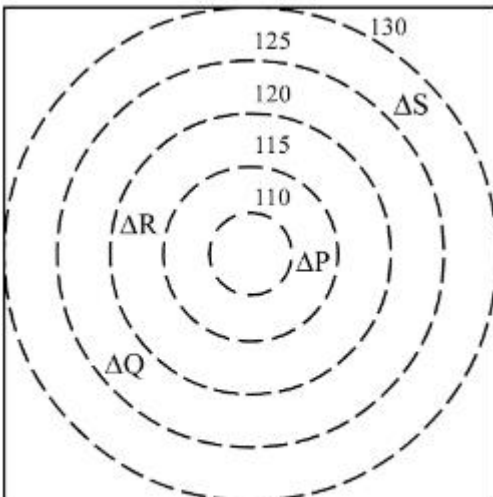
7155058748. 4

**Question Number : 103 Question Id : 7155052753 Question Type : MCQ Option Shuffling : Yes**

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

**Minimum Instruction Time : 0**

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



CONTOURS



BUILDINGS

ALL DIENSIONS ARE  
IN "M"

In the given diagram, "S" is higher than \_\_\_\_\_ meter from "R"

**Options :**

7155058749. 5

7155058750. 10

7155058751. 25

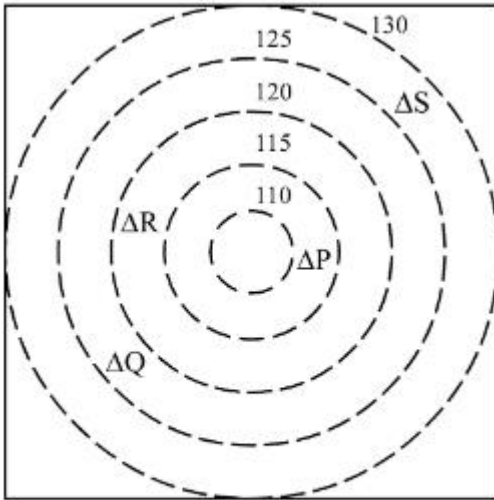
7155058752. 15


**Question Number : 103 Question Id : 7155052753 Question Type : MCQ Option Shuffling : Yes**


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

**Minimum Instruction Time : 0**

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



 CONTOURS

 BUILDINGS

ALL DIENSIONS ARE  
IN "M"

প্রদত্ত চিত্রত "S", "R" ৰ পৰা \_\_\_\_\_ মিটাৰ ওখ।

**Options :**

7155058749. 5

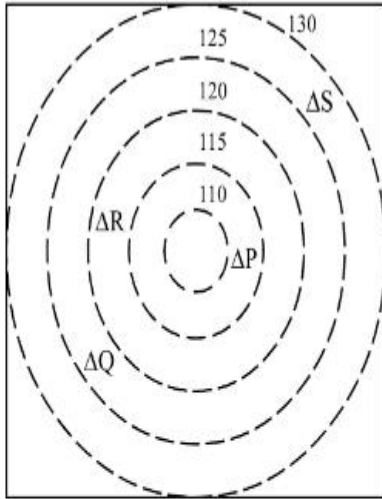
7155058750. 10

7155058751. 25

7155058752. 15

Question Number : 104 Question Id : 7155052754 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A  
Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



 CONTOURS

 BUILDINGS

ALL DIENSIONS ARE  
IN "M"

Based on the given diagram:

**Statement I** : "R" is higher than "P" and "Q"

**Statement II** : "S" is higher than "P", "Q" and "R"

In the light of the above statements, choose the *correct* answer from the options given below:

**Options :**

7155058753. Both Statement **I** and Statement **II** are true

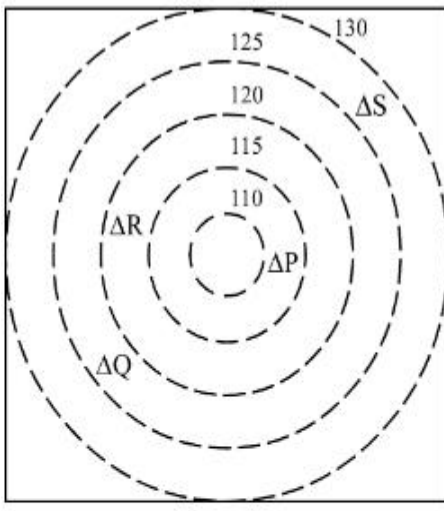
7155058754. Both Statement **I** and Statement **II** are false

7155058755. Statement **I** is true but Statement **II** is false


7155058756. Statement **I** is false but Statement **II** is true

Question Number : 104 Question Id : 7155052754 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A  
Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



 CONTOURS

 BUILDINGS

ALL DIENSIONS ARE  
IN "M"

চিত্রৰ ওপৰত ভিত্তি কৰি:

উক্তি I: "R" হ'ল "P" আৰু "Q" তকৈ ওখ

উক্তি II: "S" হ'ল "P", "Q" আৰু "R" তকৈ ওখ

ওপৰোক্ত উক্তিৰ আলমত, তলৰ বিকল্পবোৰৰ পৰা শুদ্ধ উত্তৰটো বাছি উলিওৱা:

Options :

7155058753. উক্তি I আৰু উক্তি II দুয়ো সত্য

7155058754. উক্তি I আৰু উক্তি II দুয়ো মিছা

7155058755. উক্তি I সত্য কিন্তু উক্তি II মিছা

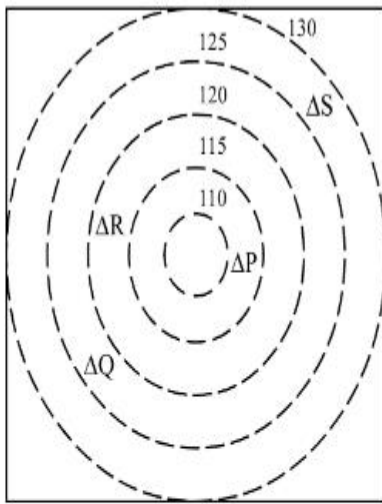
7155058756. উক্তি I মিছা কিন্তু উক্তি II সত্য

Question Number : 105 Question Id : 7155052755 Question Type : MCQ Option Shuffling : Yes

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

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



 CONTOURS

 BUILDINGS

ALL DIENSIONS ARE  
IN "M"

Based on the given diagram:

**Statement I :** "P" is located at a height of 110 M

**Statement II :** "Q" is located 5 M lower than "S"

In the light of the above statements, choose the *correct* answer from the options given below:

**Options :**

7155058757. Both Statement **I** and Statement **II** are true

7155058758. Both Statement **I** and Statement **II** are false

7155058759. Statement **I** is true but Statement **II** is false

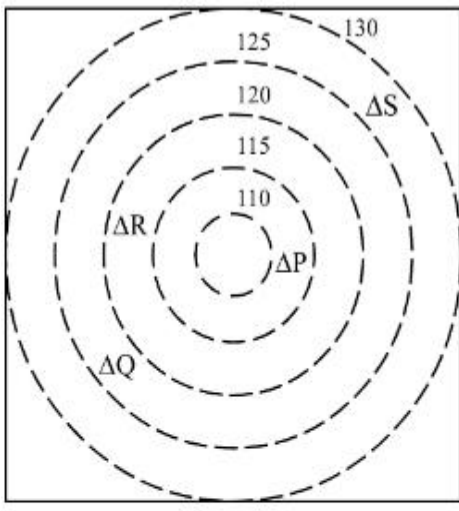
7155058760. Statement **I** is false but Statement **II** is true

**Question Number : 105 Question Id : 7155052755 Question Type : MCQ Option Shuffling : Yes**


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

**Minimum Instruction Time : 0**

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



 CONTOURS

 BUILDINGS

ALL DIENSIONS ARE  
IN "M"

প্রদত্ত চিত্রৰ ওপৰত ভিত্তি কৰি-

**উক্তি I :** 110 M ওপৰত "P" অৱস্থিত

**উক্তি II :** "S" তকৈ 5 M তলত "Q" অৱস্থিত

ওপৰোক্ত উক্তিৰ আলমত, তলৰ বিকল্পবোৰৰ পৰা শুদ্ধ উত্তৰটো বাছনি কৰাঃ

**Options :**

7155058757. উক্তি I আৰু উক্তি II দুয়ো সত্য

7155058758. উক্তি I আৰু উক্তি II দুয়ো মিছা

7155058759. উক্তি I সত্য কিন্তু উক্তি II মিছা

7155058760. উক্তি I মিছা কিন্তু উক্তি II সত্য

## Drawing

**Section Id :** 715505167

**Section Number :** 5

**Section type :** Offline

**Mandatory or Optional :** Mandatory

**Number of Questions :** 2



<b>Number of Questions to be attempted :</b>	2
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	715505167
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 106 Question Id : 7155052756 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 : 106 Question Id : 7155052756 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 50**

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



**Question Number : 107 Question Id : 7155052757 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 : 107 Question Id : 7155052757 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction**

**Time : 0**

**Correct Marks : 50**

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