

National Testing Agency

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

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

Mathematics Section A

Section Id :	715505163
Section Number :	1

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

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

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

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

Options :

7155058371. R_1 একটি সংক্রমণ কিন্তু R_2 নয়

7155058372. R_2 একটি সংক্রমণ কিন্তু R_1 নয়

7155058373. R_1 ও R_2 উভয়েই সংক্রমণ

7155058374. R_1 ও R_2 এর কেউই সংক্রমণ নয়

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

Options :

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

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

Options :

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

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

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 নীচের সহসমীকরণগুলির

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

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

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

অসংখ্য সমাধান থাকে তবে K^2 এর মান হল

Options :

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

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

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

Options :

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

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

Options :

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

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

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

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 ঃ

Options :

7155058395. e

7155058396. e^3

7155058397. e^6

7155058398. e⁹

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

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

Options :

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

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

Options :

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

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

$36a - 25a^2 + 8a^3 - a^4$ এর মান

Options :

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

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

Options :

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(α , -11). If the point R moves on the line $l_1: 9x + 7y + \alpha = 0$, then the centroid of ΔPQR moves on the line l_2 , which is parallel to l_1 at a distance $\frac{20}{3\sqrt{130}}$ units from it. If the distance of Q from l_2 is $\frac{k}{3\sqrt{130}}$, then k is equal to :

Options :

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

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

Options :

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 1st quadrant and it is the image of point A_2 with respect to y -axis. If the distance of point A_1 from each of the points A_2 and A_3 is 2, then twenty times the area of the $\Delta A_1 A_2 A_3$ is

Options :

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

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

Options :

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^{89} কে, 15 দ্বারা ভাগ করলে ভাগফল হল

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

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

Options :

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

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

Options :

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

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

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

Options :

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

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

Options :

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

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

Options :

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

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

অপেক্ষকটির সংজ্ঞার অঞ্চল হল :

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

নিম্নের কোন বিবৃতিটি একটি টোটলজি ?

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

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

Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	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

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 22 Question Id : 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 ছাত্রের মধ্যে 30 টি একই ধরনের পেন বিতরণ করা হচ্ছে। যদি প্রতিটি ছাত্রই অন্তত একটি পেন পায় এবং কেবলমাত্র দুটি ছাত্র অন্তত দুটি পেন পায় তবে কতরকমভাবে ঐ পেনগুলি বিতরণ করা সম্ভব ?

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 23 Question Id : 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

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 24 Question Id : 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

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 25 **Question Id :** 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

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

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 26 Question Id : 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

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 27 Question Id : 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

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 28 **Question Id :** 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 α_1, α_2 be the values of a such that the distance between the point $(2, 4, 3)$ and the plane $3x + y + az + 10 = 0$ is $\sqrt{35}$ units. Then the area of the triangle with vertices $(\alpha_1, \alpha_2, 0)$, $(\alpha_2, \alpha_1, 0)$ and $(\frac{164}{13}, 5, 0)$ is _____ unit².

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

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

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

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

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 29 **Question Id :** 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 $\overrightarrow{OA} = -3\hat{i} + 7\hat{j} + 5\hat{k}$, $\overrightarrow{OB} = -5\hat{i} + 7\hat{j} - 3\hat{k}$ and $\overrightarrow{OC} = \hat{u}$ represent three sides of a parallelepiped, where \hat{u} is a unit vector in the xy- plane. If the maximum volume of the parallelepiped is $2\sqrt{\alpha}$, then α is equal to _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

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

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

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

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Question Number : 30 Question Id : 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 $\frac{x+y-2}{x+y-1} \frac{dy}{dx} = \frac{x+y+2}{x+y+1}$, $x+y > 2$ অবকল সমীকরণের সমাধান বক্র $(\sqrt{2}, \sqrt{2})$ এবং $(2, \alpha)$

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

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

10 to 12

Aptitude Test

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

Adobe হল

Options :

7155058461. cement এর প্রকারভেদ

7155058462. floor finish এর প্রকারভেদ

7155058463. paint এর প্রকারভেদ

7155058464. Brick এর প্রকারভেদ

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

বিবৃতি I : স্বাধীন ভারতের প্রথম পরিকল্পিত শহর Chandigarh

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

বিবৃতিগুলির আলোকে সবথেকে প্রযোজ্য উত্তর নীচের বিকল্প থেকে নির্বাচিত কর

Options :

7155058465. বিবৃতি I এবং বিবৃতি II উভয়ই সত্য

7155058466. বিবৃতি I এবং বিবৃতি II উভয়ই অসত্য

7155058467. বিবৃতি I সত্য কিন্তু বিবৃতি II অসত্য

7155058468. বিবৃতি I অসত্য কিন্তু বিবৃতি II সত্য

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

বিবৃতি I : কাঁচ তাপের স্বল্প পরিবাহী

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

বিবৃতিগুলির ভিত্তিতে সঠিক বিকল্পটি বাছুন

Options :

7155058469. বিবৃতি I এবং বিবৃতি II উভয়ই সত্য

7155058470. বিবৃতি I এবং বিবৃতি II উভয়ই অসত্য

7155058471. বিবৃতি I সত্য কিন্তু বিবৃতি II অসত্য

7155058472. বিবৃতি I অসত্য কিন্তু বিবৃতি II সত্য

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 এবং তালিকা II মেলাও

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

নীচের বিকল্পগুলি থেকে সঠিক উত্তর বাছ :

Options :

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 ও II মেলাও

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

নীচের বিকল্পগুলি থেকে সঠিক উত্তর বাছ :

Options :

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

কোনটি পরিপূরক রঙ নয়

Options :

7155058481. নীল -কমলা

7155058482. লাল -সবুজ

7155058483. নীল- সবুজ

7155058484. বেগুনী -হলুদ

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

ভারতের কোন রাজ্যে Robbers গুহা অবস্থিত :

Options :

7155058485. হিমাচল প্রদেশ

7155058486. উত্তরাখন্ড

7155058487. উত্তর প্রদেশ

7155058488. মধ্য প্রদেশ

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

Petronas Tower কোথায় অবস্থিত:

Options :

7155058489. প্যারিস

7155058490. দুবাই

7155058491. কুয়ালা লামপুর

7155058492. নিউ ইয়র্ক

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

কোনারক মন্দির কোন রাজ্যে অবস্থিত

Options :

7155058493. मध्य प्रदेश

7155058494. ओडिशा

7155058495. कर्णटक

7155058496. राजस्थान

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

Lotus Temple এর স্থপতি কে ?

Options :

7155058497. लुईस ई कान

7155058498. মোহসে সাফদি

7155058499. ফারিবরজ সাহবা

7155058500. রিচার্ড মেয়ার

**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

স্বল্প ভার বহনের জন্য ভার তোলা কি নামে পরিচিত

Options :

7155058501. ডেড বিয়ারার

7155058502. ডাম্ব ওয়েটার

7155058503. জকি বয়

7155058504. পুশ আপার

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. Bhubaneshwar-Puri

7155058506. Puri-Cuttack

7155058507. Bhubaneshwar-Cuttack

7155058508. Bhubaneshwar-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

ଓଡ଼ିশାର জোড়া শহর বলে কাদের উল্লেখ হয়

Options :

7155058505. ভুবনেশ্বর -পুরি

7155058506. পুরি- কটক

7155058507. ভুবনেশ্বর -কটক

7155058508. ভুবনেশ্বর -রাউরকেলা

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

কোনটা মানব সভ্যতার সঠিক কালানুসার

Options :

7155058509. মেসোপটেমিয়া-হরপ্পা-ইজিপশিয়ান-চাইনিশ

7155058510. মেসোপটেমিয়া-ইজিপশিয়ান-হরপ্পা-চাইনিশ

7155058511. মেসোপটেমিয়া-চাইনিশ-হরপ্পা-ইজিপশিয়ান

7155058512. ইজিপশিয়ান-মেসোপটেমিয়া-হরপ্পা-সুমেরিয়ান

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

Delhi তে Qutub-Minar বানিয়েছিলেন:

Options :

7155058513. শাহ জাহান

7155058514. জাহাঙ্গির

7155058515. আকবর

7155058516. কুতুব উদ-দিন আইবক

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

Options :

7155058517. উত্তর

7155058518. দক্ষিণ

7155058519. পূর্ব

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

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

Options :

7155058521. Raj Rewal

7155058522. Charles Correa

7155058523. Achyut Kanvinde

7155058524. Hafeez Contractor

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

Dhajji-Dewari স্থপত্যশৈলী প্রধানত জনপ্রিয় হল _____।

Options :

7155058525. উপকূল অঞ্চল

7155058526. সমতল ভূমি

7155058527. পার্বত্য অঞ্চল

7155058528. মরুভূমি অঞ্চল

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

পাহাড়ি অঞ্চলের ছাদে কোন পাথর ব্যবহার হয়

Options :

7155058529. Marble

7155058530. Granite

7155058531. Shale

7155058532. Sand Stone

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

Chandigarh কোন ধরনের শহর পরিকল্পনার উদাহরণ

Options :

7155058533. রেডিও সেন্ট্রিক

7155058534. গ্রিড-আয়রন

7155058535. লিনিয়ার

7155058536. অর্গ্যানিক

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

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

Options :

7155058537. যেগুলি উত্তরমুখী

7155058538. যেগুলি দক্ষিণমুখী

7155058539. যেগুলি পূর্বমুখী

7155058540. যেগুলি পশ্চিমমুখী

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" National Institute of Fashion Technology, Delhi কে পরিকল্পনা করেছিলেন

Options :

7155058541. B.V Doshi

7155058542. C.P Kukreja





7155058543. Raj Rewal

7155058544. Bimal Patel

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 ও তালিকা II মেলাও

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

নীচের বিকল্পগুলি থেকে সঠিক উত্তর বাছ:

Options :

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 ও তালিকা II মেলাও

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

নীচের বিকল্পগুলি থেকে সঠিক উত্তর বাছ :

Options :

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

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

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

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

উপরোক্ত বিবৃতিগুলির আলোকে, নীচে দেওয়া বিকল্পগুলি থেকে সঠিক উত্তর বাছ

Options :

7155058553. বিবৃতি I এবং বিবৃতি II উভয়ই সত্য

7155058554. বিবৃতি I এবং বিবৃতি II উভয়ই অসত্য

7155058555. বিবৃতি I সত্য কিন্তু বিবৃতি II অসত্য

7155058556. বিবৃতি I অসত্য কিন্তু বিবৃতি II সত্য

Question Number : 55 Question Id : 7155052705 Question Type : MCQ Option Shuffling : Yes Is

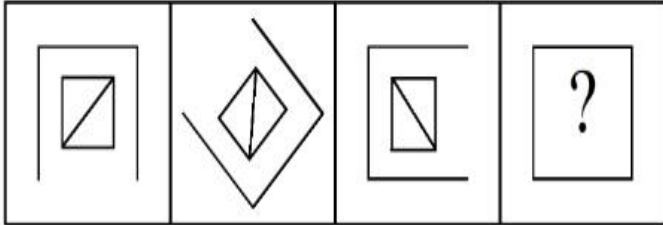
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

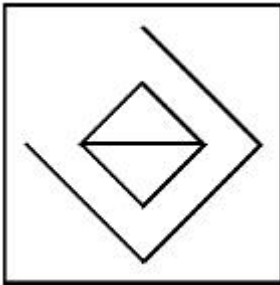
Correct Marks : 4 Wrong Marks : 1

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

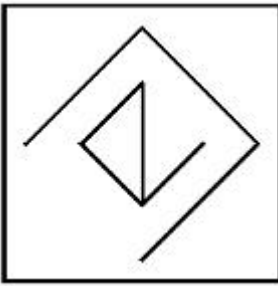


Options :

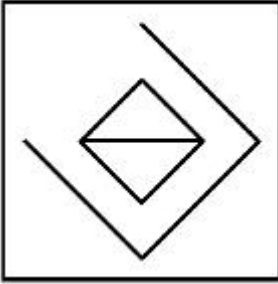


7155058557.

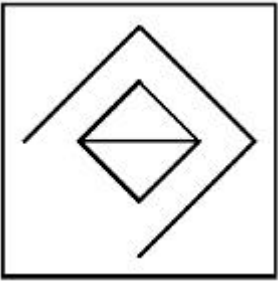
7155058558.



7155058559.



7155058560.

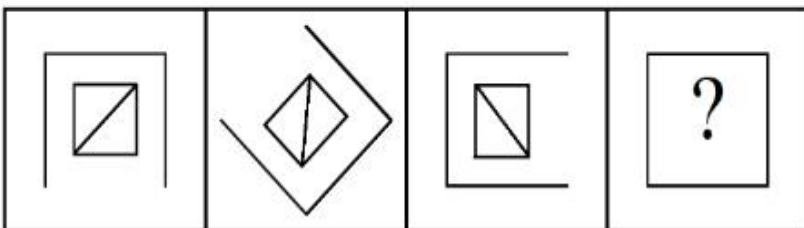


Question Number : 55 Question Id : 7155052705 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

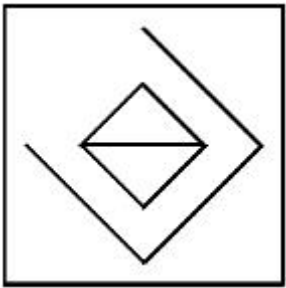
উত্তরের ছবির মধ্যে থেকে সঠিক বিকল্পটি বাছ যাতে প্রশ্নের শ্রেণীটি সম্পূর্ণ হয়

PROBLEM FIGURES

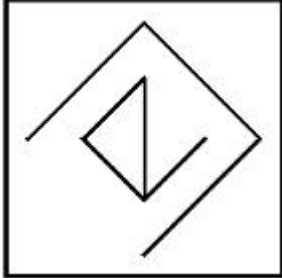


Options :

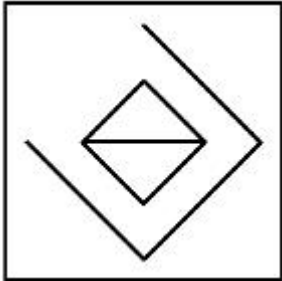
7155058557.



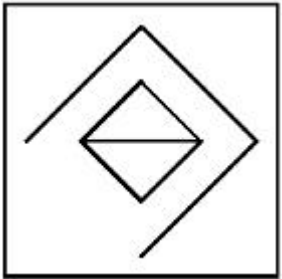
7155058558.



7155058559.



7155058560.



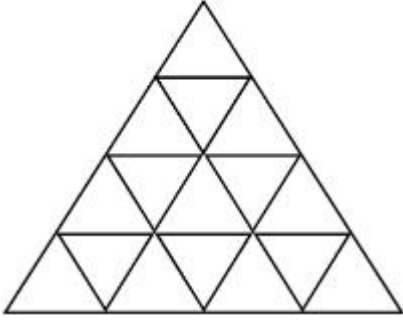
Question Number : 56 Question Id : 7155052706 Question Type : MCQ Option Shuffling : Yes Is

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

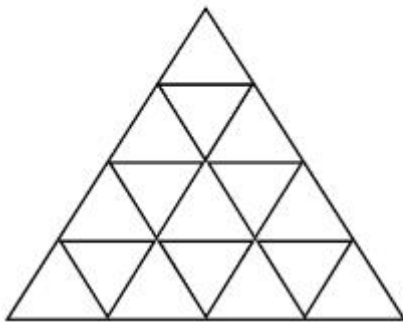
Question Number : 56 Question Id : 7155052706 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ছবিটিতে কতগুলি ত্রিভুজ আছে:-



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

বেঠিকটি বের কর:-

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

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

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

দেওয়া শব্দের দর্পণ প্রতিবিম্বটি বের কর:-

SUCCESS

Options :

7155058573. 22ECC22

7155058574. 22ECC22

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

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

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

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

Options :

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

শ্রেণীতে অনুপস্থিত সংখ্যাটি বের কর

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

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

Options :

7155058589. KVCMA

7155058590. KWCNB

7155058591. KUCLA

7155058592. KVCNA

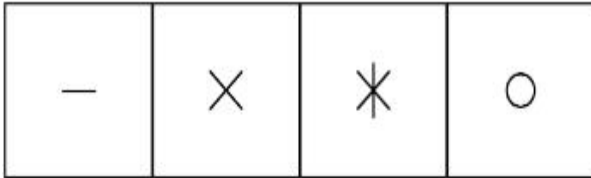
Question Number : 64 Question Id : 7155052714 Question Type : MCQ Option Shuffling : Yes Is

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

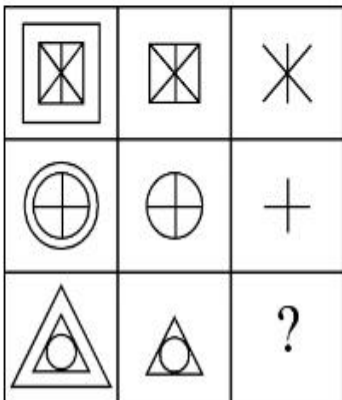
Instruction Time : 0

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

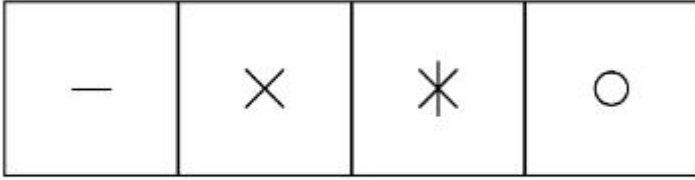
Question Number : 64 Question Id : 7155052714 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

খালি স্থানে ছবির কোন বিকল্পটি আসবে

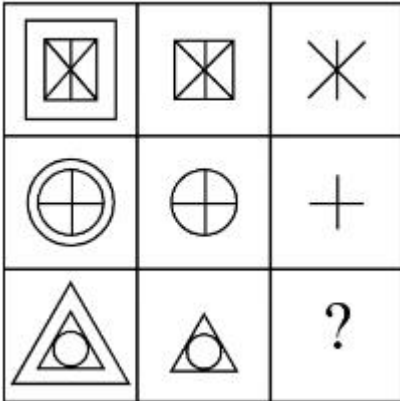


(A)

(B)

(C)

(D)



Options :

7155058593. D

7155058594. C

7155058595. B

7155058596. A

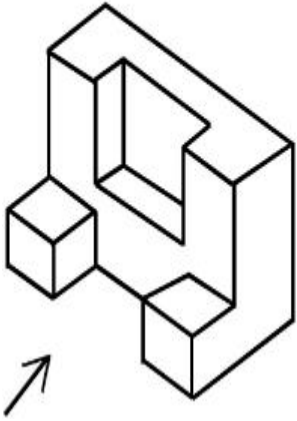
Question Number : 65 Question Id : 7155052715 Question Type : MCQ Option Shuffling : Yes Is

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

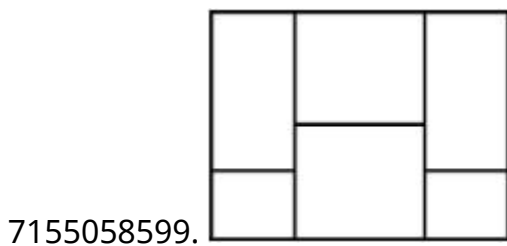
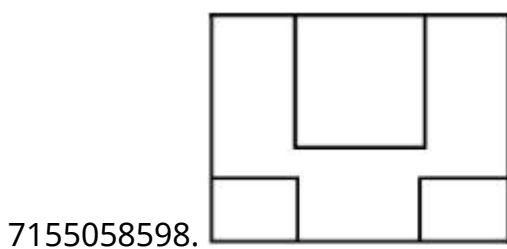
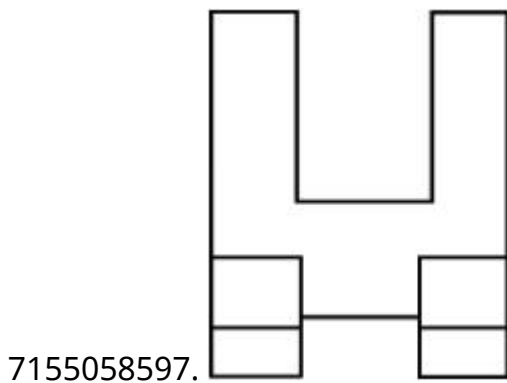
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

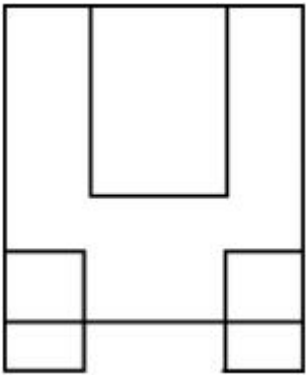
The 3D figure shows the view of an object. Looking in the direction of arrow, identify the most appropriate elevation from the given answer figures.



Options :



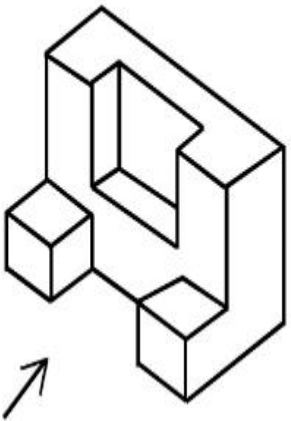
7155058600.



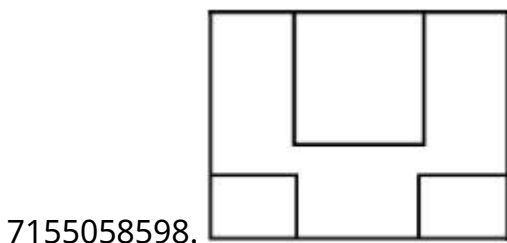
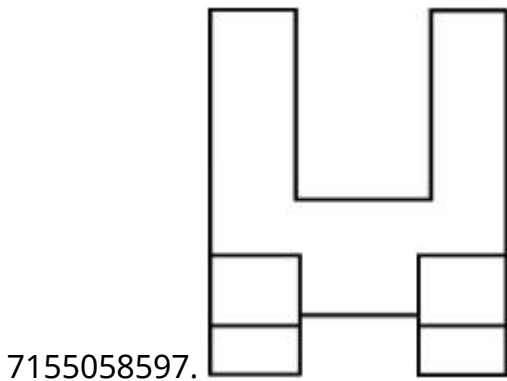
Question Number : 65 Question Id : 7155052715 Question Type : MCQ Option Shuffling : Yes Is
 Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
 Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

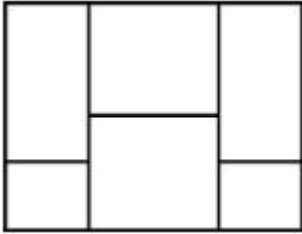
একটি বস্তুর ত্রিমাত্রিক রূপটি দেওয়া আছে। তীরের দিক থেকে কোনটি সবথেকে প্রযোজ্য উচ্চতা



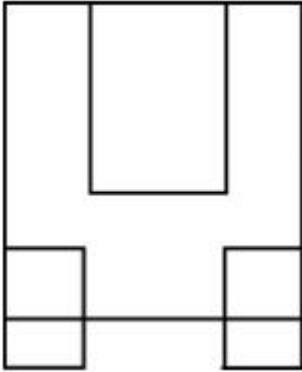
Options :



7155058599.



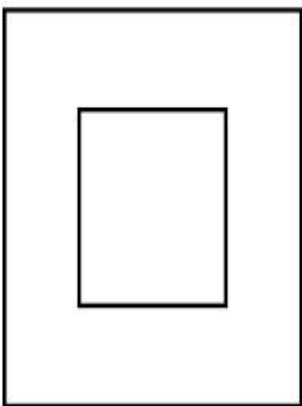
7155058600.



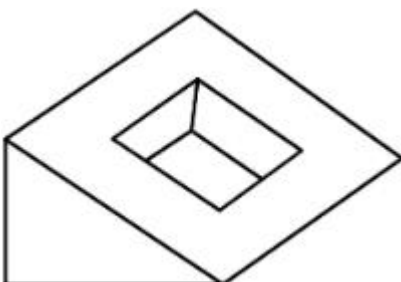
Question Number : 66 Question Id : 7155052716 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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.

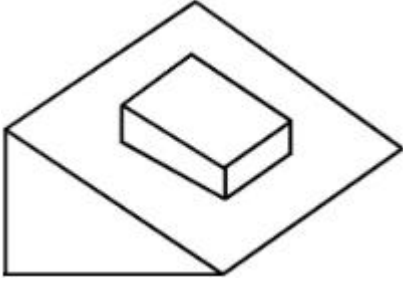


Options :



7155058601.

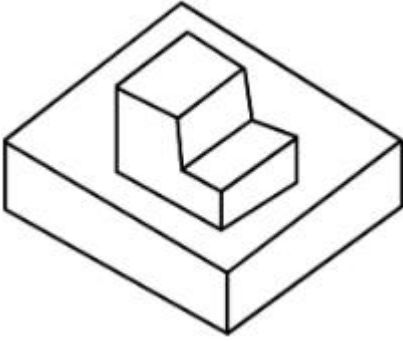
7155058602.



7155058603.



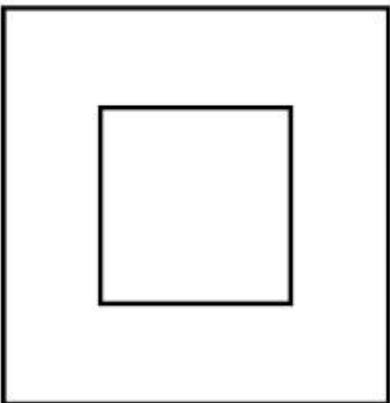
7155058604.



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

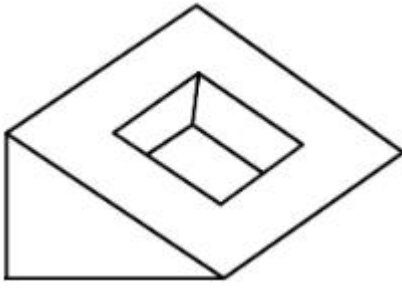
Correct Marks : 4 Wrong Marks : 1

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

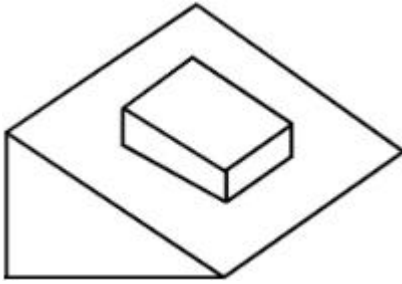


Options :

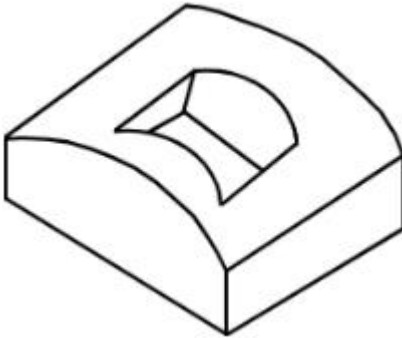
7155058601.



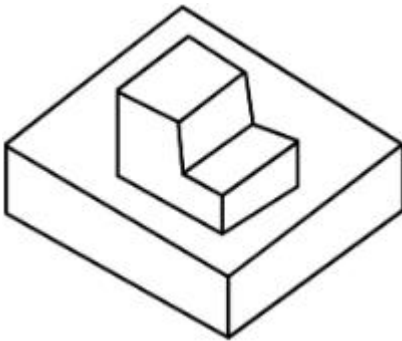
7155058602.



7155058603.



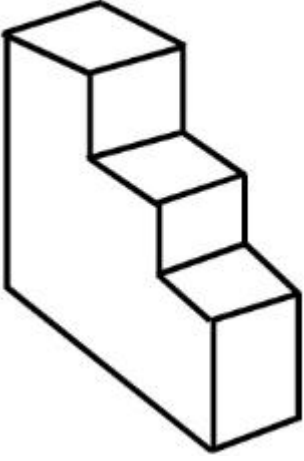
7155058604.



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

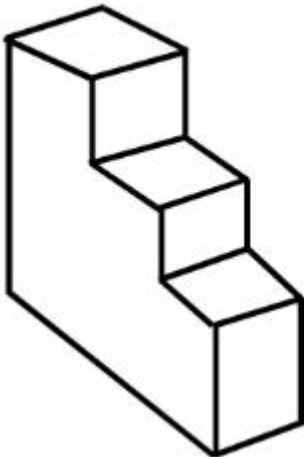
Question Number : 67 Question Id : 7155052717 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

বস্তুটির কটি তল আছে ?



Options :

7155058605. 9

7155058606. 10

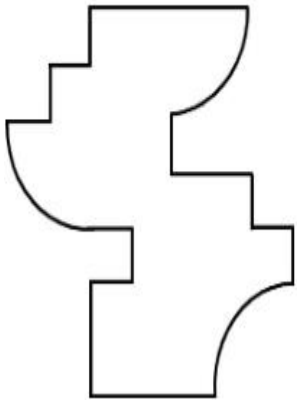
7155058607. 8

7155058608. 11

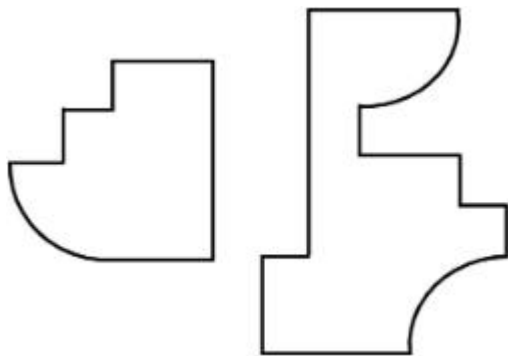
Question Number : 68 Question Id : 7155052718 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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 :

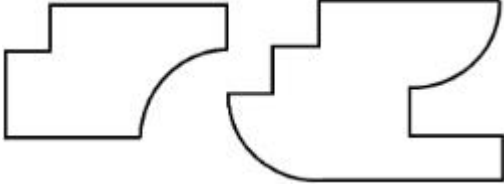


7155058609.

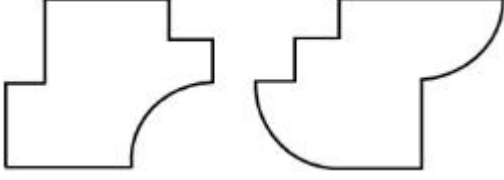


7155058610.

7155058611.



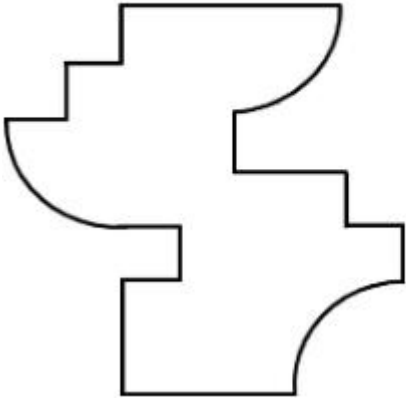
7155058612.



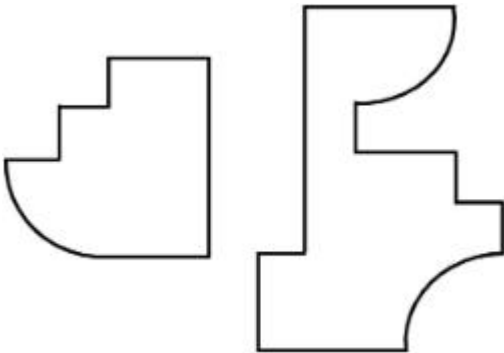
Question Number : 68 Question Id : 7155052718 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

প্রশ্নের ছবিটিকে দুভাগে ভাগ করলে উত্তরের কোন ছবিটি ঠিক হবে?

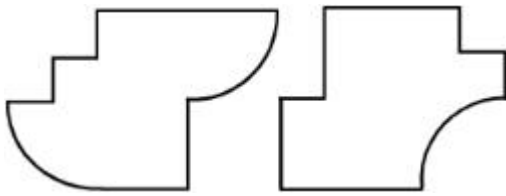


Options :

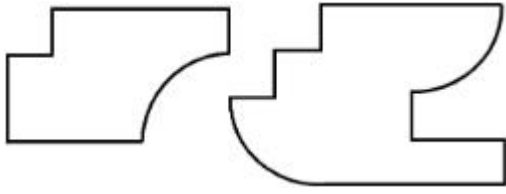


7155058609.

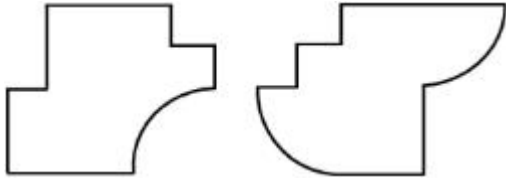
7155058610.



7155058611.



7155058612.



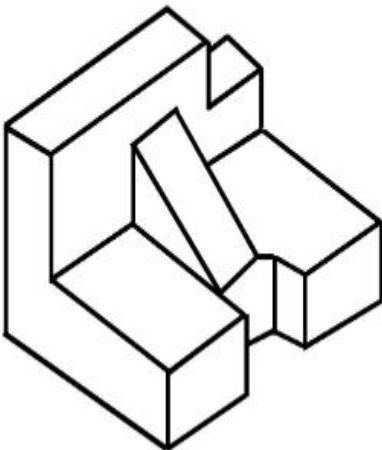
Question Number : 69 Question Id : 7155052719 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

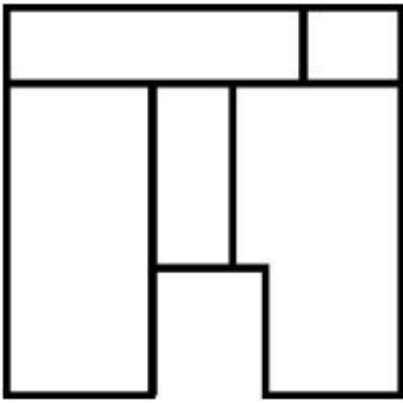
Correct Marks : 4 Wrong Marks : 1

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

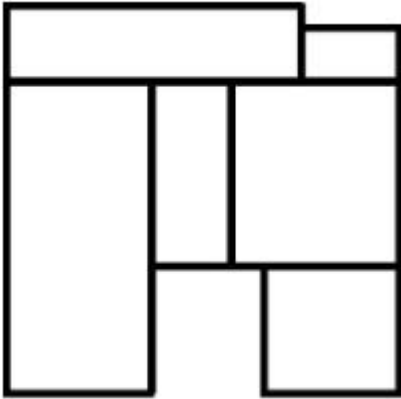


Options :

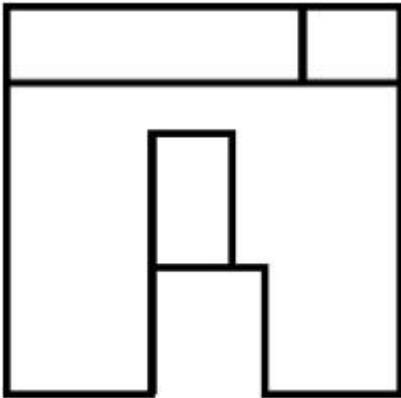
7155058613.



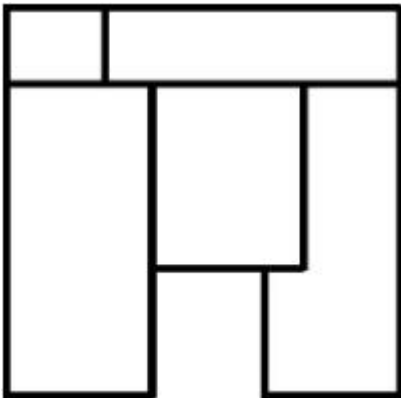
7155058614.



7155058615.



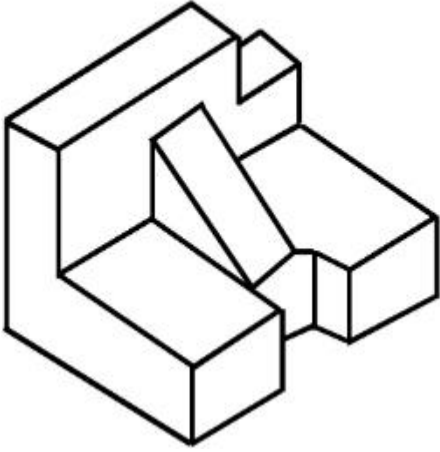
7155058616.



Instruction Time : 0

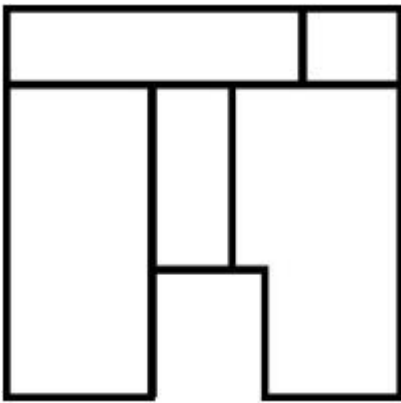
Correct Marks : 4 Wrong Marks : 1

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

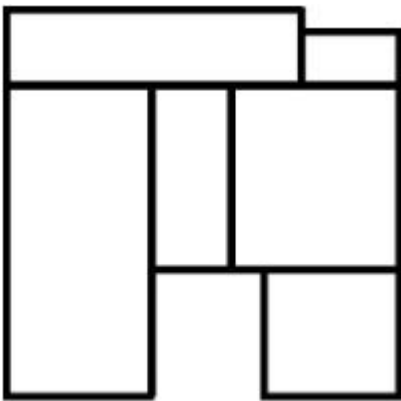


Options :

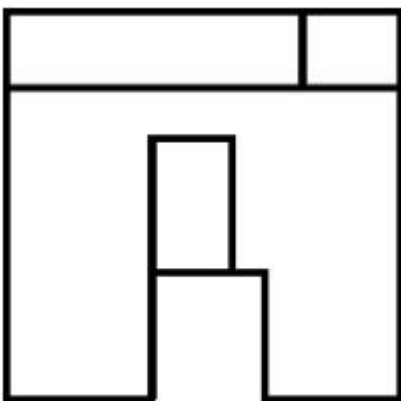
7155058613.



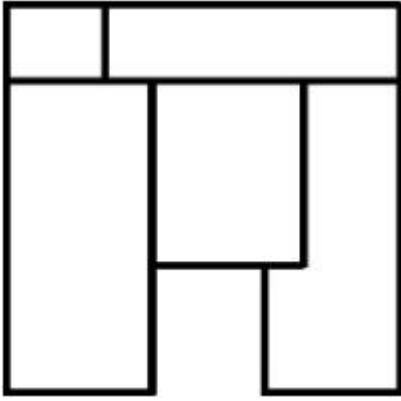
7155058614.



7155058615.



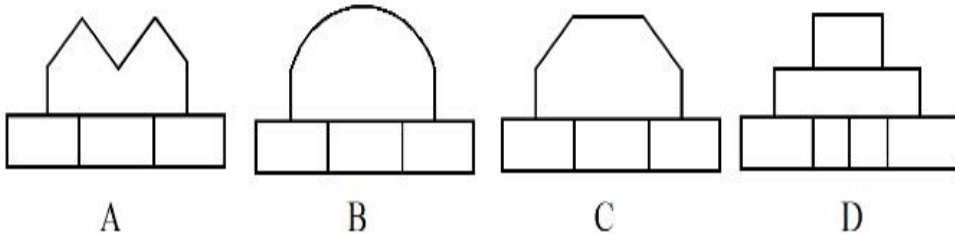
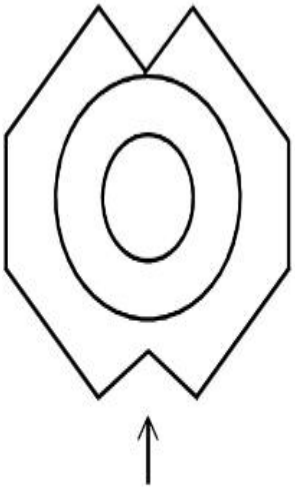
7155058616.



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.



Options :

7155058617. D

7155058618. A

7155058619. B

7155058620. C

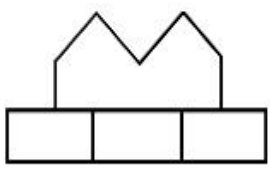
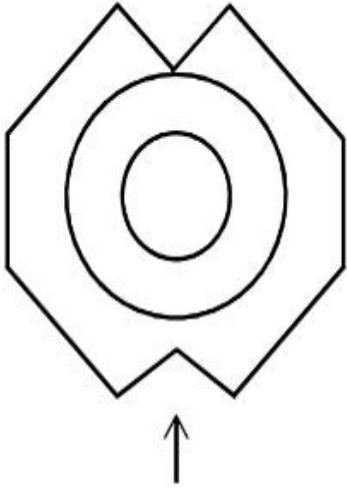
Question Number : 70 Question Id : 7155052720 Question Type : MCQ Option Shuffling : Yes Is

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

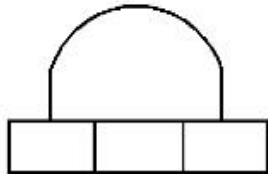
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

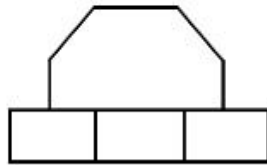
চিহ্নিত তীর চিহ্নের দিক থেকে বস্তুটির প্ল্যানের দেখলে সঠিক রূপটি কি হবে।



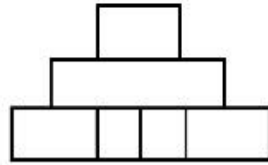
A



B



C



D

Options :

7155058617. D

7155058618. A

7155058619. B

7155058620. C

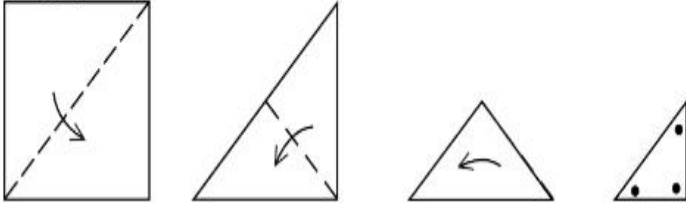
Question Number : 71 Question Id : 7155052721 Question Type : MCQ Option Shuffling : Yes Is

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

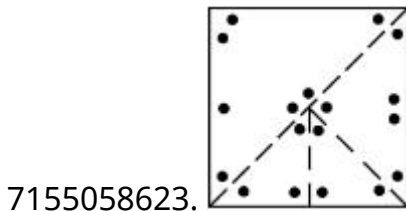
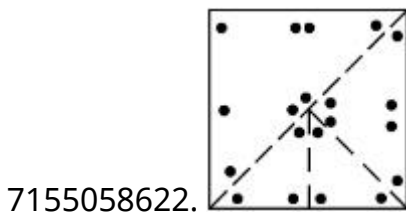
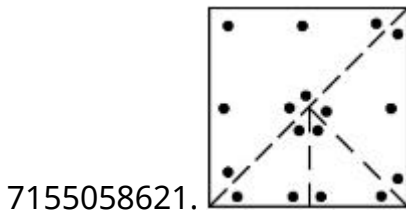
Instruction Time : 0

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 :



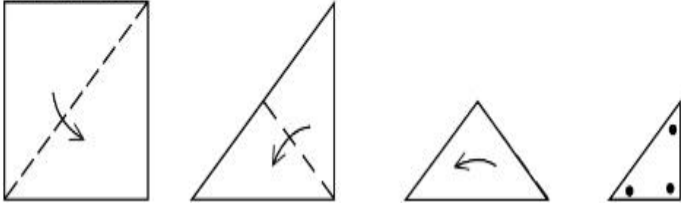
Question Number : 71 Question Id : 7155052721 Question Type : MCQ Option Shuffling : Yes Is

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

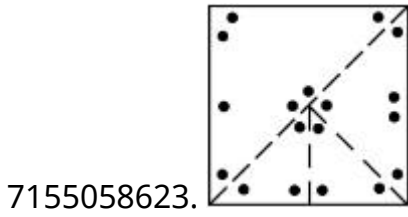
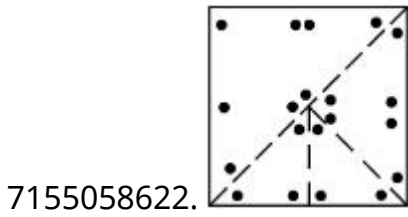
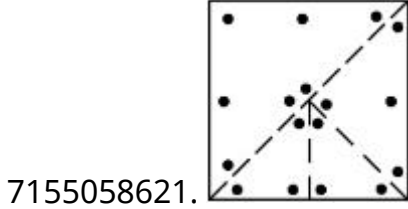
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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



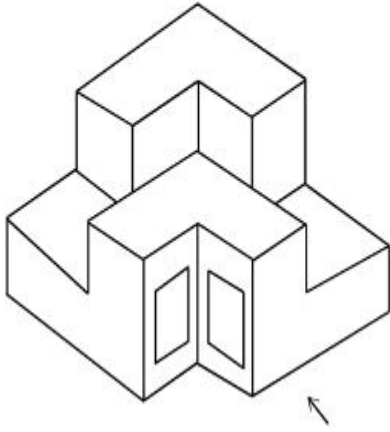
Options :



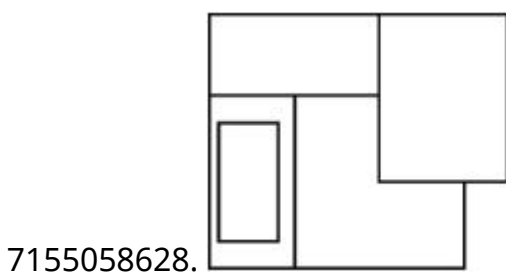
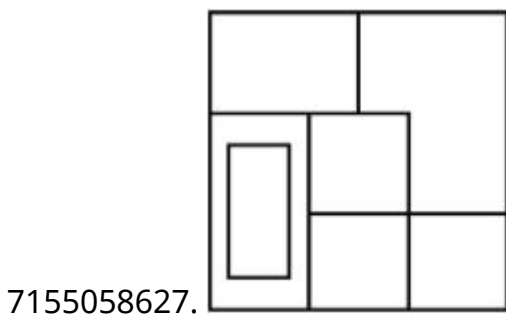
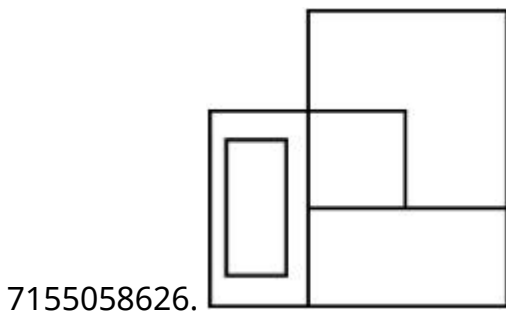
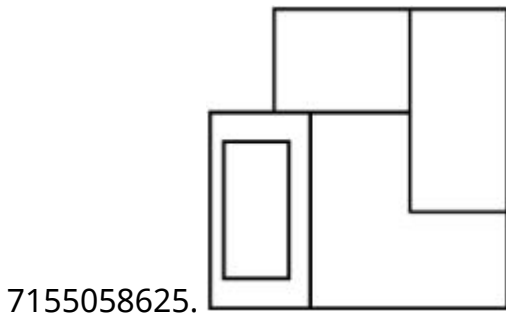
Question Number : 72 Question Id : 7155052722 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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.



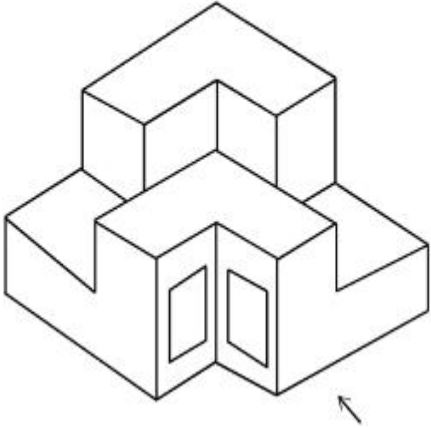
Options :



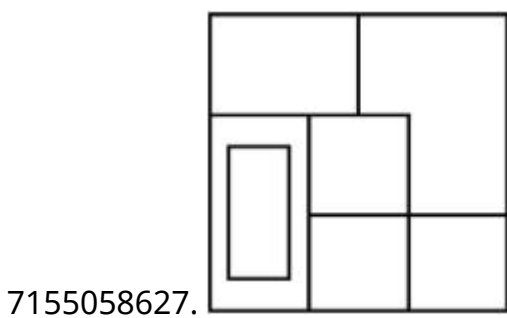
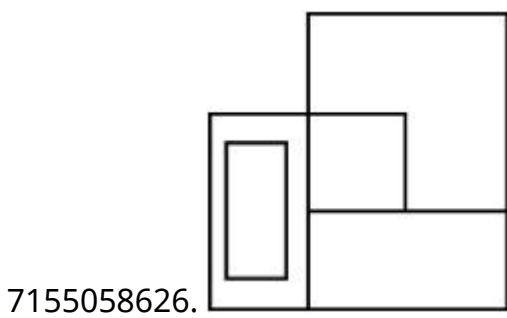
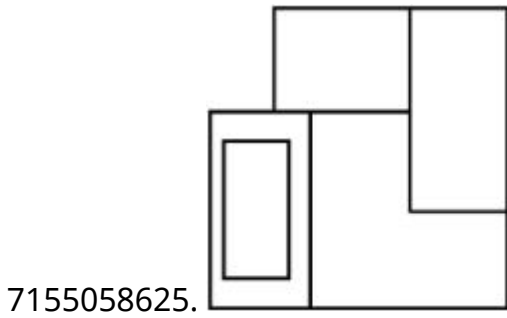
Question Number : 72 Question Id : 7155052722 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

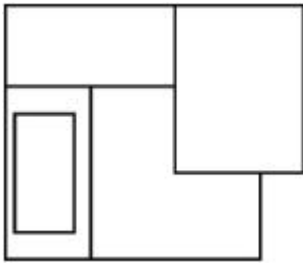
প্রশ্নে একটি বস্তুর ত্রিমাত্রিক রূপ দেওয়া আছে। তীরের দিকে সঠিক রূপটি বের কর।



Options :



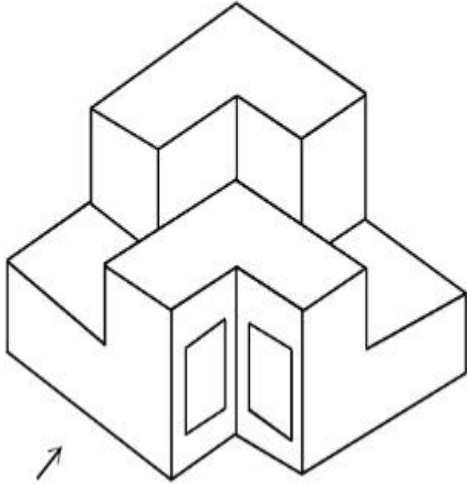
7155058628.



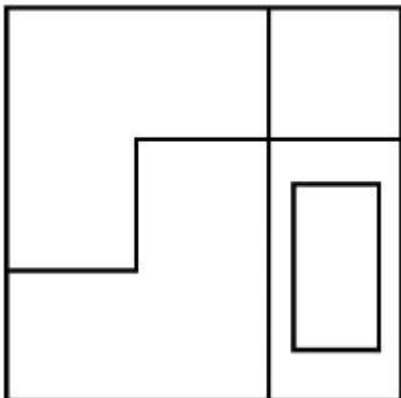
Question Number : 73 Question Id : 7155052723 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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.

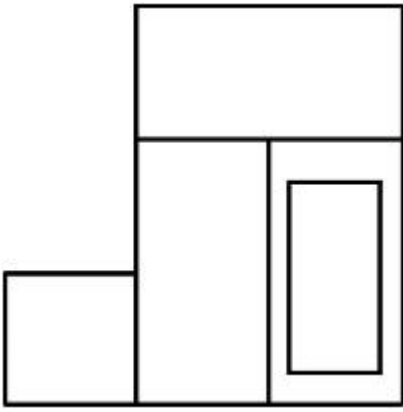


Options :

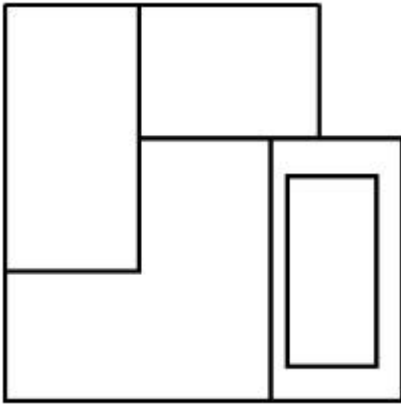


7155058629.

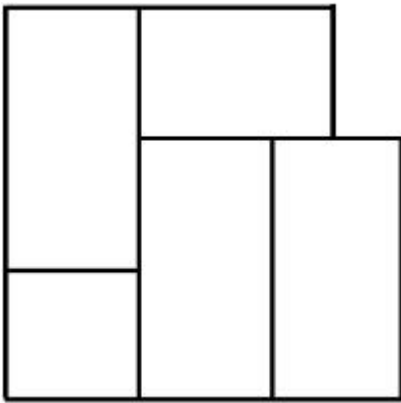
7155058630.



7155058631.



7155058632.



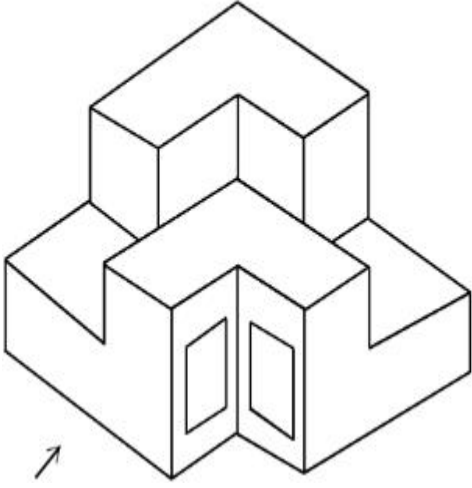
Question Number : 73 Question Id : 7155052723 Question Type : MCQ Option Shuffling : Yes Is

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

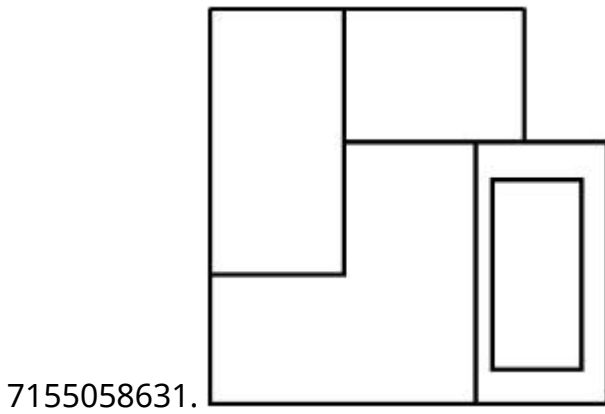
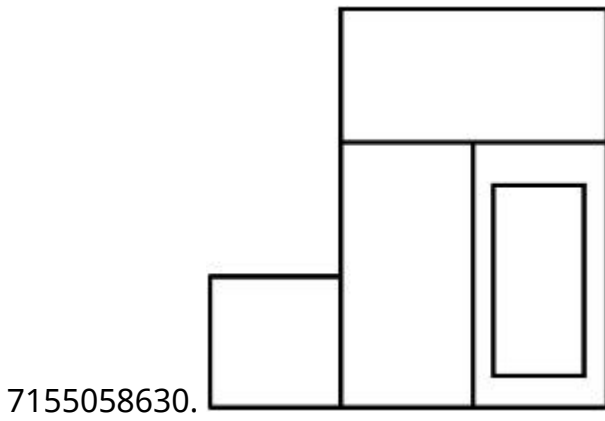
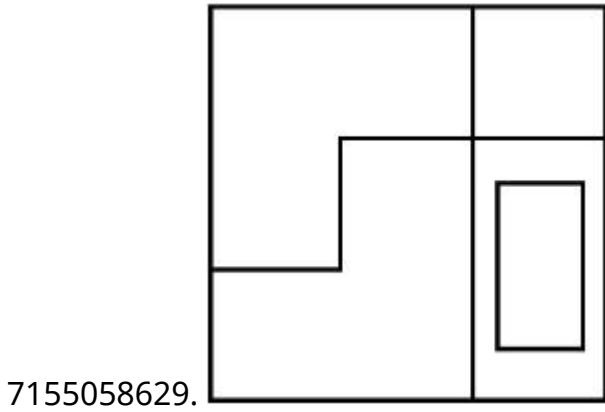
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

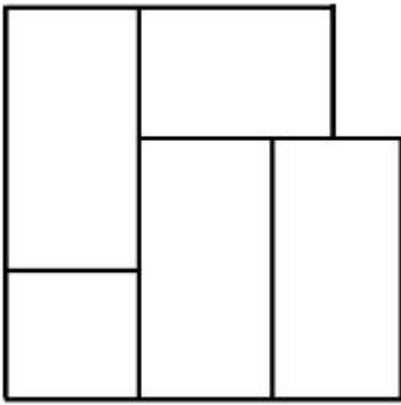
প্রশ্নে একটি বস্তুর ত্রিমাত্রিক রূপটি দেওয়া আছে। তীরের দিক থেকে সঠিক রূপটি বের কর।



Options :



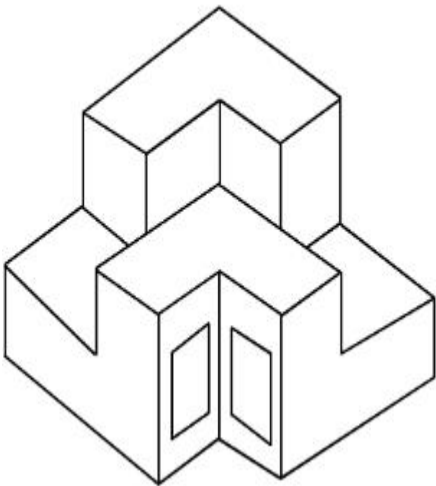
7155058632.



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

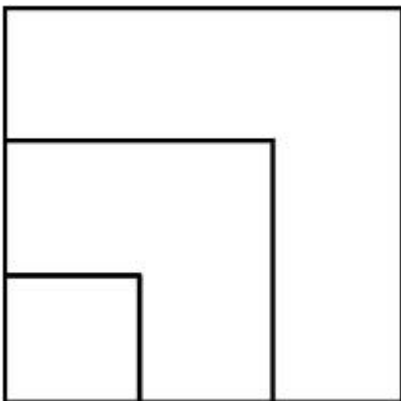
Correct Marks : 4 Wrong Marks : 1

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

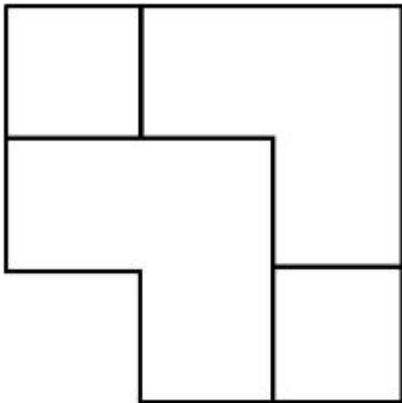
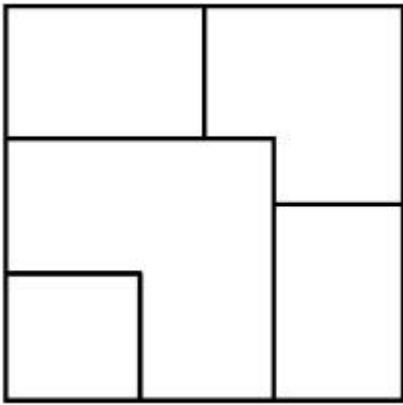


Options :

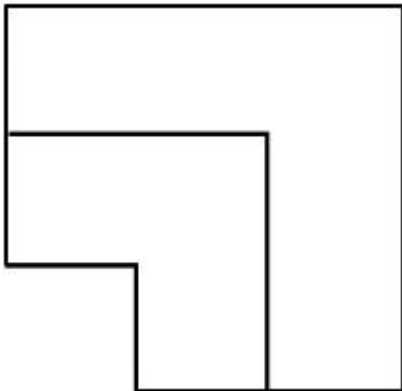
7155058633.



7155058634.



7155058635.



7155058636.

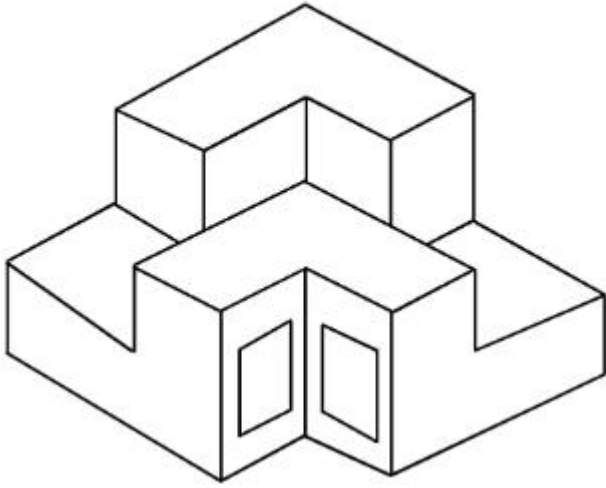
Question Number : 74 Question Id : 7155052724 Question Type : MCQ Option Shuffling : Yes Is

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

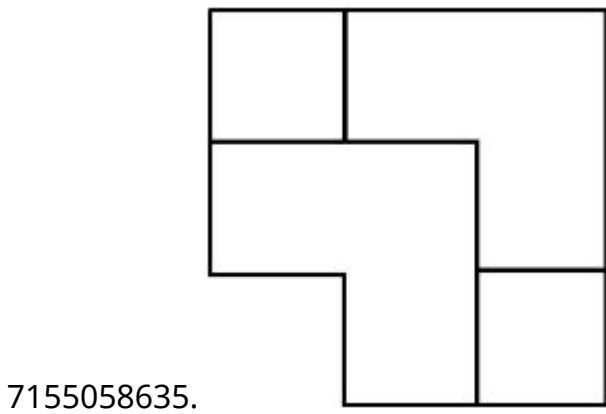
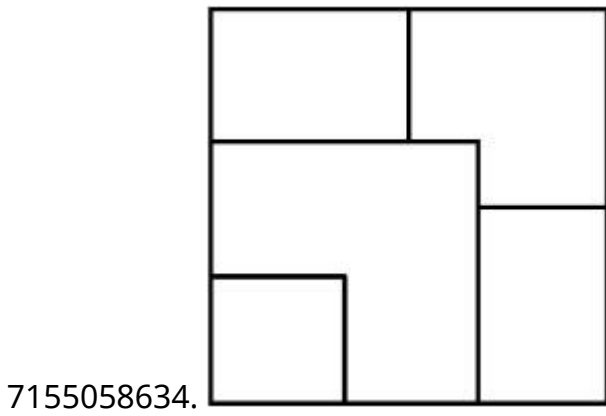
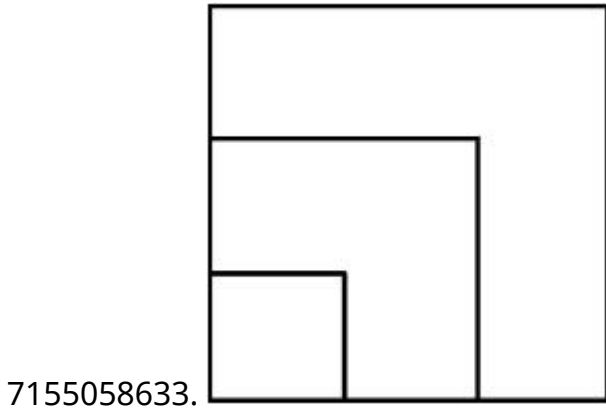
Instruction Time : 0

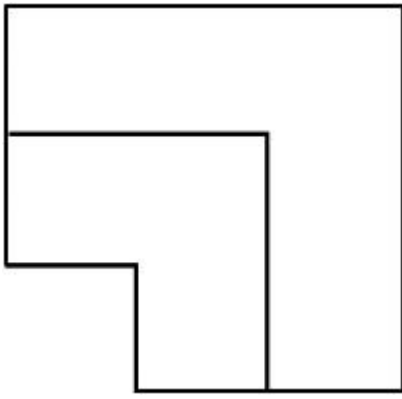
Correct Marks : 4 Wrong Marks : 1

উপর থেকে দেখা হলে ত্রিমাত্রিক বস্তুটির সঠিক রূপ বের কর।



Options :



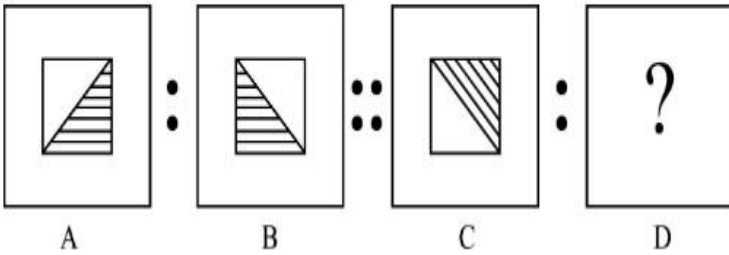


7155058636.

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

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.



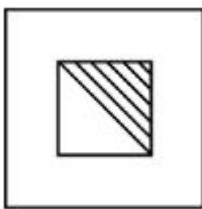
A

B

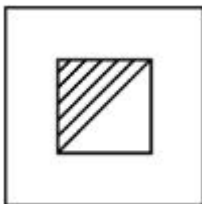
C

D

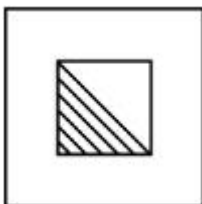
Options :



7155058637.



7155058638.



7155058639.

7155058640.



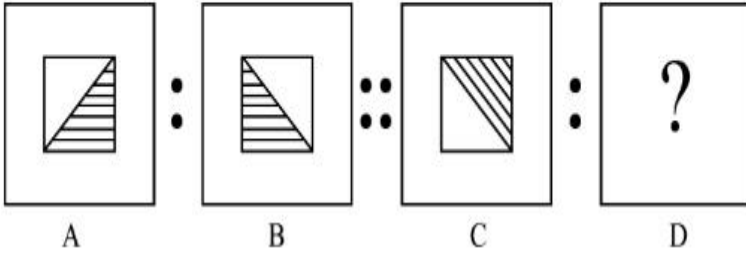
Question Number : 75 Question Id : 7155052725 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

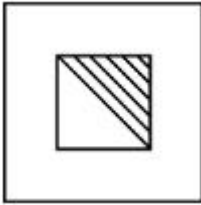
Correct Marks : 4 Wrong Marks : 1

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

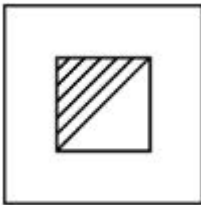


Options :

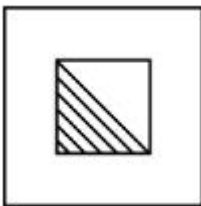
7155058637.



7155058638.



7155058639.



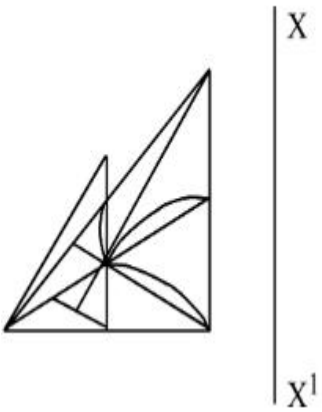
7155058640.



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

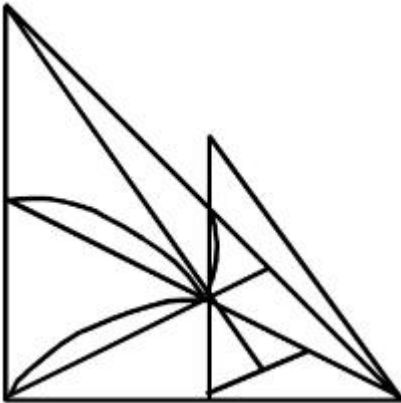
Correct Marks : 4 Wrong Marks : 1

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

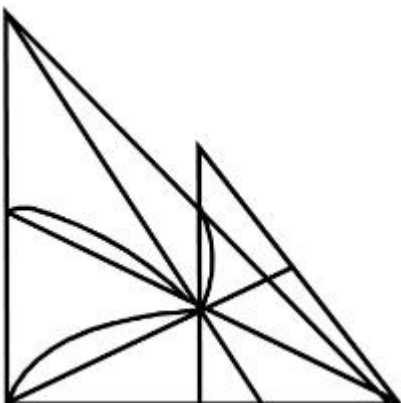


Options :

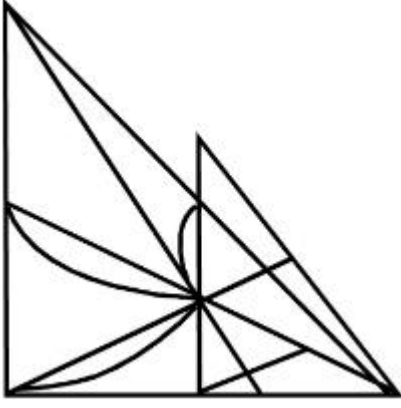
7155058641.



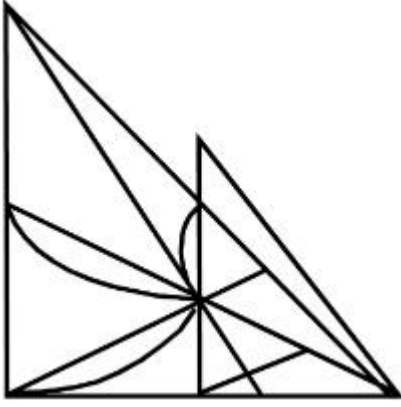
7155058642.



7155058643.



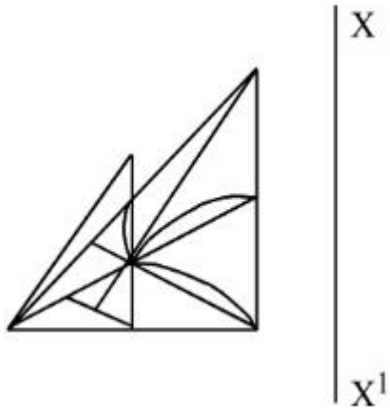
7155058644.



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

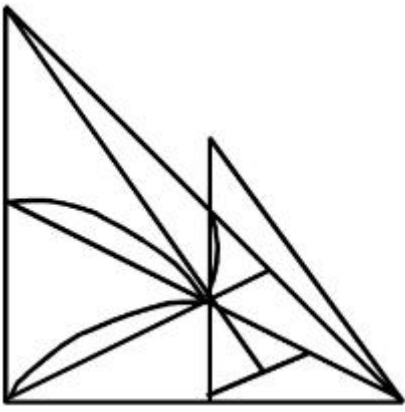
Correct Marks : 4 Wrong Marks : 1

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

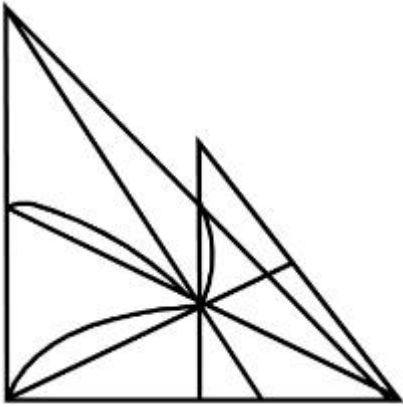


Options :

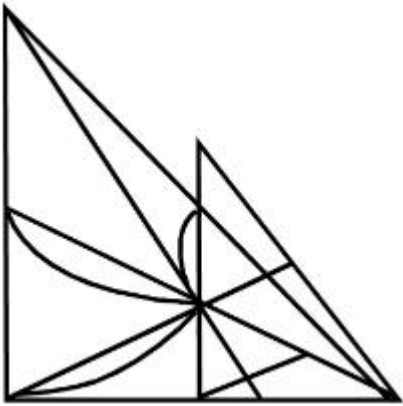
7155058641.



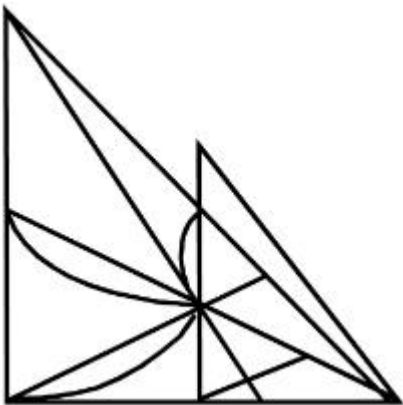
7155058642.



7155058643.



7155058644.

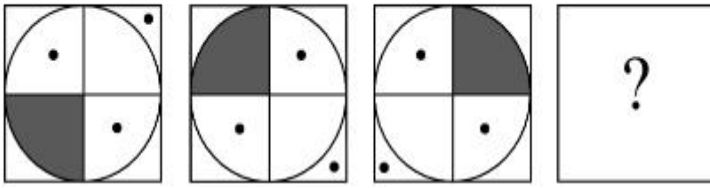


Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

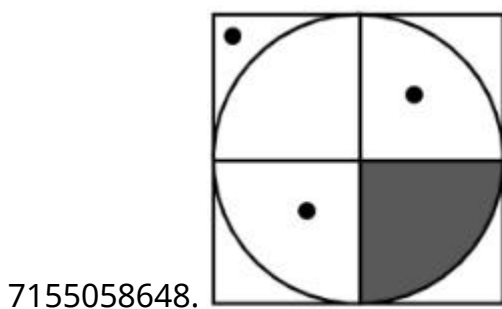
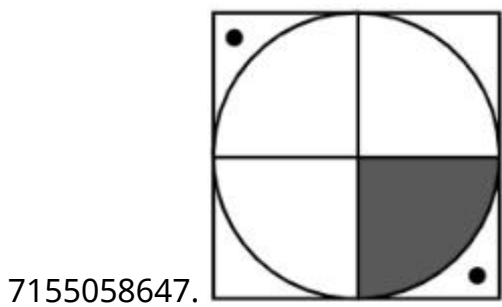
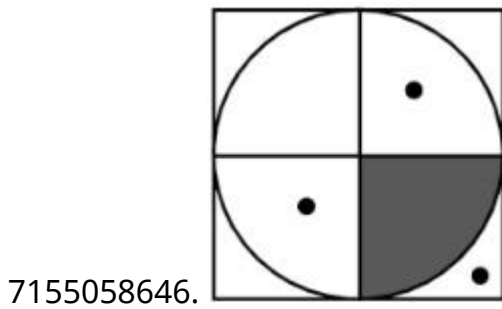
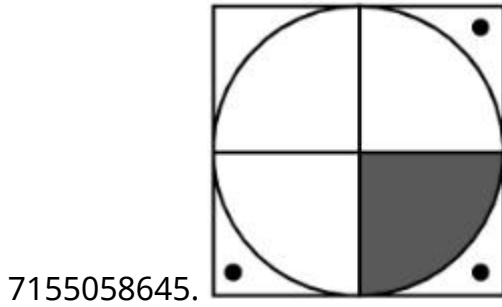
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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



Options :



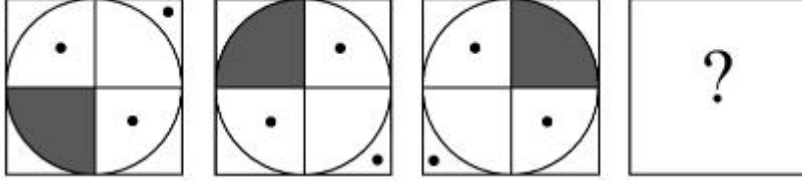
Question Number : 77 Question Id : 7155052727 Question Type : MCQ Option Shuffling : Yes Is

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

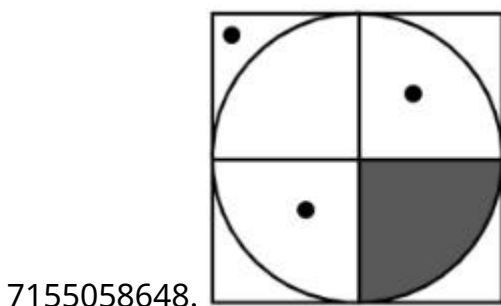
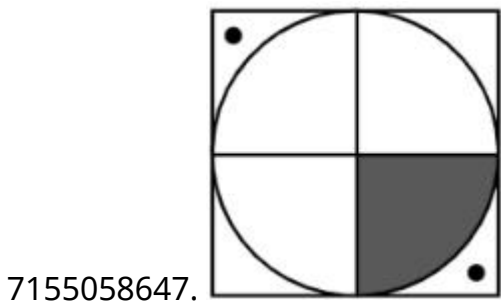
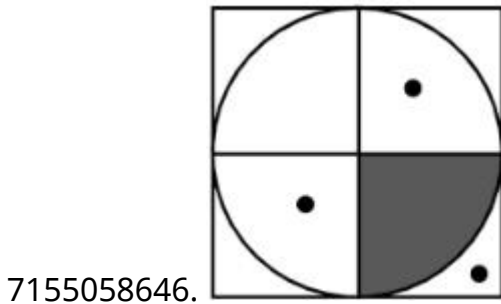
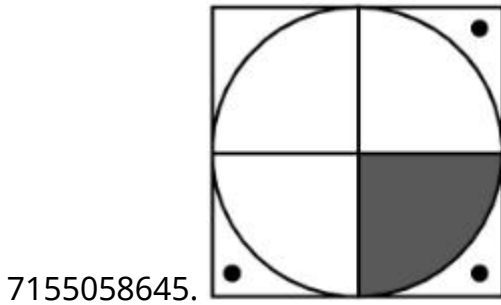
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

উত্তরের সঠিক বিকল্পটি বের কর যেটা শ্রেণীটাকে সম্পূর্ণ করবে।



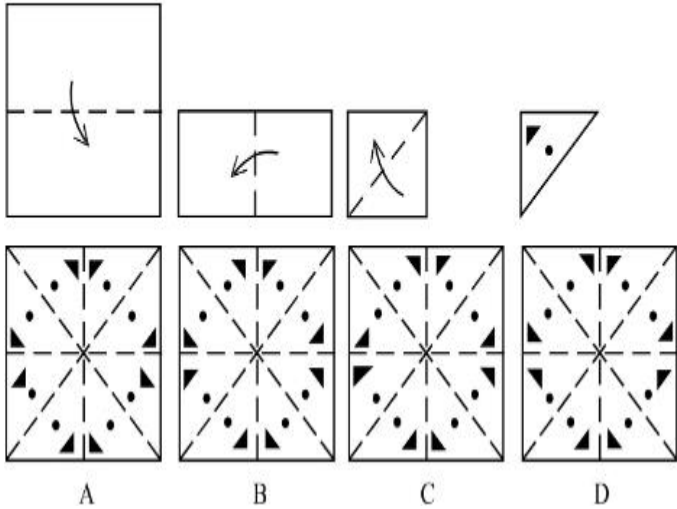
Options :



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

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

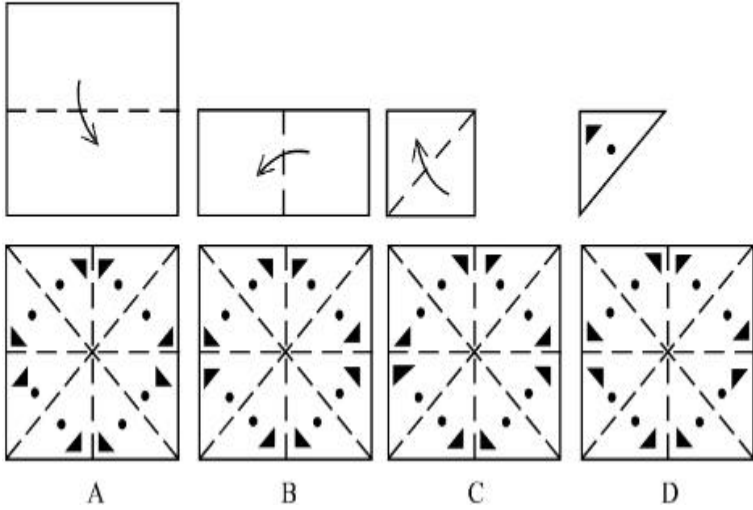
7155058651. D

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

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



Options :

7155058649. B

7155058650. A

7155058651. D

7155058652. C

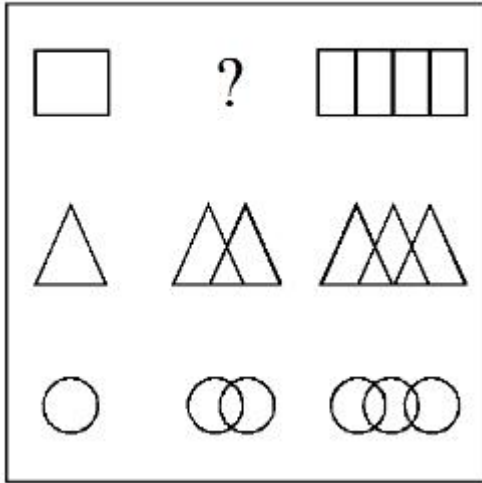
Question Number : 79 Question Id : 7155052729 Question Type : MCQ Option Shuffling : Yes Is

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

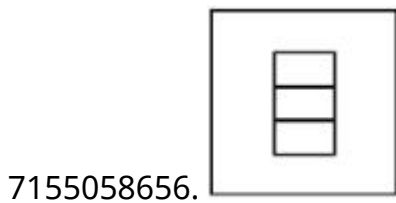
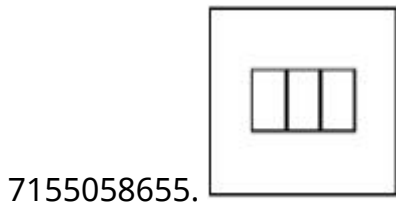
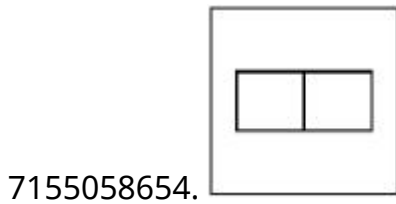
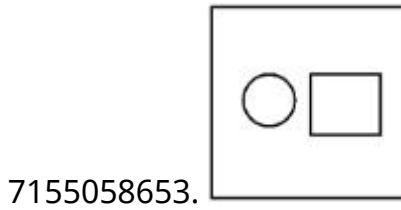
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In the figure mentioned below find the missing series:-



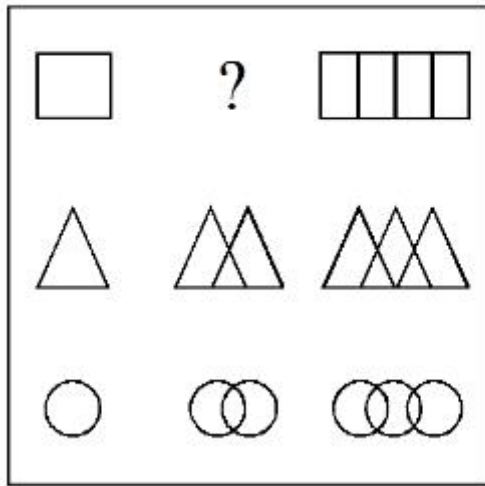
Options :



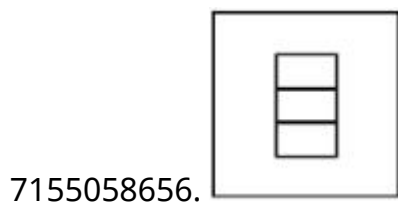
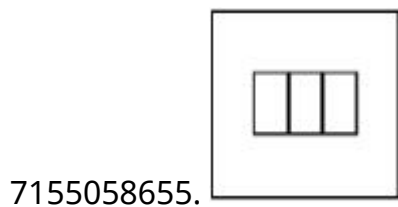
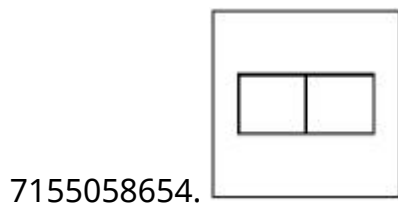
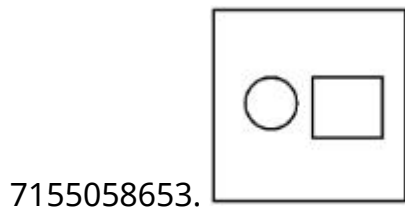
Question Number : 79 Question Id : 7155052729 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

নীচের ছবিতে অনুপস্থিত বের কর :-

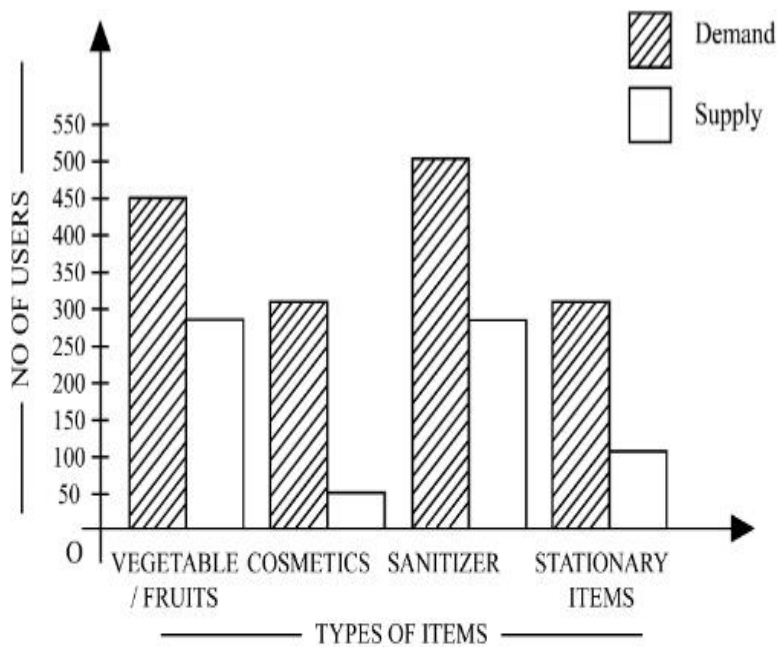


Options :



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

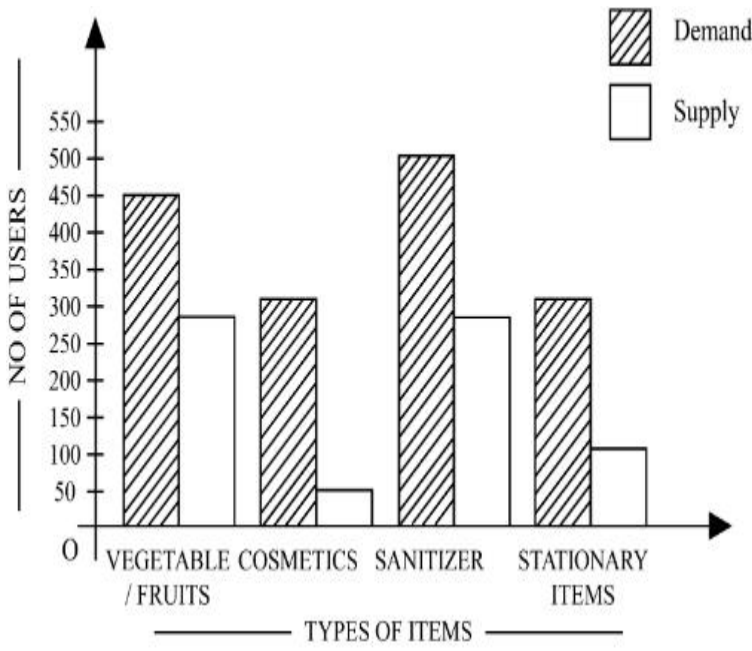
7155058660. B, C and D only

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



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

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

নীচের কোন বিকল্পটি সঠিক:-

Options :

7155058657. শুধু B এবং D

7155058658. শুধু A এবং B

7155058659. শুধু A এবং C

7155058660. শুধু B, C এবং D

Planning

Section Id :

715505166

Section Number :

4

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

একই স্থানে যখন কোন মানুষ অন্যদের তুলনায় জীবনযাপনের নূন্যতম মানটি অর্জন করতে পারে না, তখন সেই অবস্থাকে বলা হয়:

Options :

7155058661. দারিদ্র

7155058662. প্রাচুর্য্য

7155058663. পর্যাপ্ততা

7155058664. বিলাসিতা

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

গ্রীসে অ্যাক্রোপোলিস হল

Options :

7155058665. আদালত

7155058666. উচ্চস্থ নগরদুর্গ

7155058667. উন্মুক্ত রঙ্গমন্চ

7155058668. বিশাল স্নানাগার

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

land use মানচিত্রে, কোন বর্ণসংকেতটি বিনোদনমূলক কাজে ব্যবহৃত হয় ?

Options :

7155058669. হলুদ

7155058670. সবুজ

7155058671. বেগুনী

7155058672. নীল

**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

বিবৃতি I: দিল্লী শহরের নকশা ব্যাসার্ধ বরাবর

বিবৃতি II: দিল্লী শহরের নকশা Grid iron এর মতন

Options :

7155058673. বিবৃতি I এবং বিবৃতি II উভয়েই ঠিক

7155058674. বিবৃতি I এবং বিবৃতি II উভয়েই ভুল

7155058675. বিবৃতি I ঠিক কিন্তু বিবৃতি II ভুল

7155058676. বিবৃতি I ভুল কিন্তু বিবৃতি II ঠিক

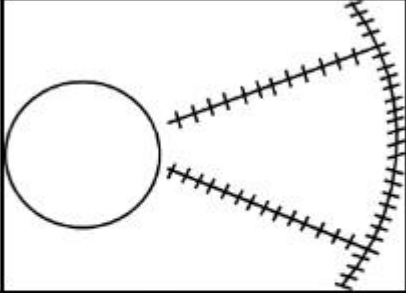
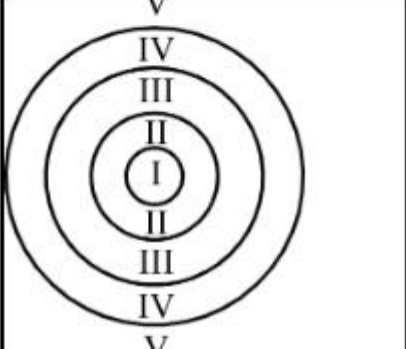
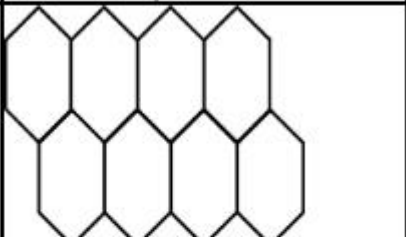
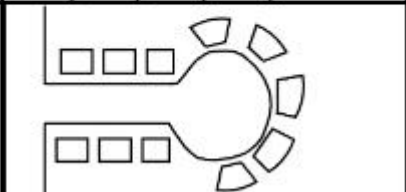
Question Number : 85 Question Id : 7155052735 Question Type : MCQ Option Shuffling : Yes Is

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

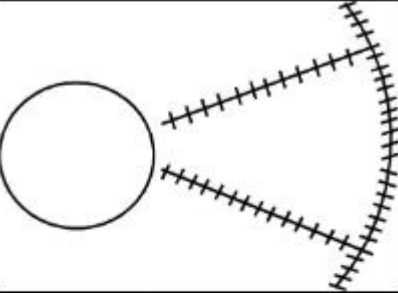
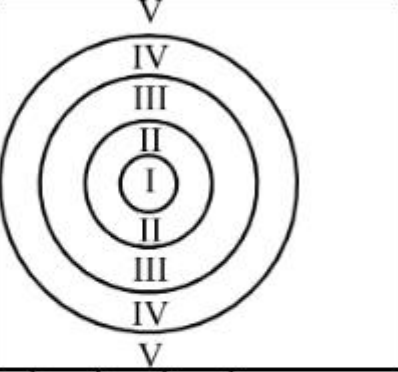
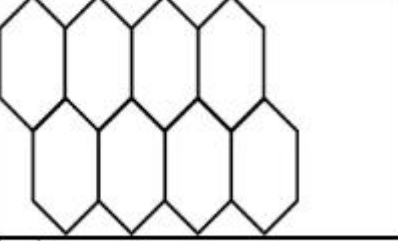
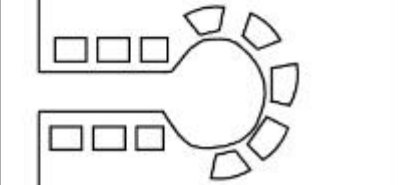
7155058679. A-IV, B-III, C-I, D-II

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

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

নীচের বিকল্পগুলি থেকে ঠিক উত্তরটি বেছে নাও:

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 এর সঙ্গে তালিকা II মেলাও

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

নীচের বিকল্পগুলি থেকে ঠিক উত্তরটি বেছে নাও:

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 এর সঙ্গে তালিকা II মেলাও

তালিকা I		তালিকা 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

নীচের বিকল্পগুলি থেকে ঠিক উত্তরটি বেছে নাও:

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.	Auroville	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 এর সঙ্গে তালিকা II মেলাও

তালিকা I		তালিকা II	
A.	Madurai	I.	Planned Hill city
B.	Aurovile	II.	Kadamba Vanam
C.	Lavasa	III.	Grid Iron
D.	Chandigarh	IV.	Matri Mandir

নীচের বিকল্পগুলি থেকে ঠিক উত্তরটি বেছে নাও:

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

নীচের কোন ধারাটি পন্চায়েতী রাজ এর সঙ্গে সম্পর্কিত?

Options :

7155058693. ধারা 243

7155058694. ধারা 324

7155058695. ধারা 124

7155058696. ধারা 73

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

কত একরে 1 হেক্টর হয় ?

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 এর পুরো কথাটি কি ?

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" কথাটি কে প্রচলন করেছিলেন ?

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

দুর্গাপুর শহরের পরিকল্পক কে ?

Options :

7155058709. Le Corbusier

7155058710. Ebenezer Howard

7155058711. Joseph Allen Stein

7155058712. Charles Correa

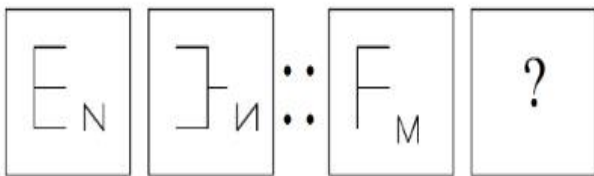
Question Number : 94 Question Id : 7155052744 Question Type : MCQ Option Shuffling : Yes Is

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

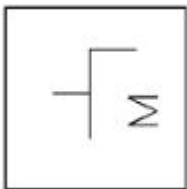
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

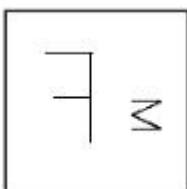
In problem figures, A and B have certain relation. Identify which one of the answer figures will have similar relation between C and D?



Options :



7155058713.



7155058714.

7155058715.



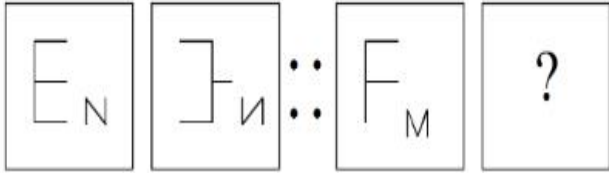
7155058716.



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

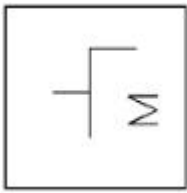
Correct Marks : 4 Wrong Marks : 1

প্রদত্ত প্রশ্নচিত্রে, A এবং B এর মধ্যে একটি নির্দিষ্ট সম্পর্ক আছে। নীচের বিকল্পগুলির থেকে কোনটি C এবং D এর মধ্যে অনুরূপ সম্পর্ক নির্দেশ করে?

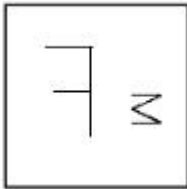


Options :

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

Housing Development Finance Corporation Limited (HDFC) কবে প্রতিষ্ঠিত হয়েছিল:

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

যুক্তরাষ্ট্রীয় সরকার ব্যবস্থার একটি অপরিহার্য বৈশিষ্ট্য হল

Options :

7155058721. ক্ষমতার কেন্দ্রীকরণ

7155058722. বিভিন্ন স্তরে ক্ষমতার বন্টন

7155058723. বিরোধিতা

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

নীচের বিকল্পগুলির মধ্যে কোনটি public sector bank নয়?

Options :

7155058725. ICICI

7155058726. State Bank of India

7155058727. Indian Bank

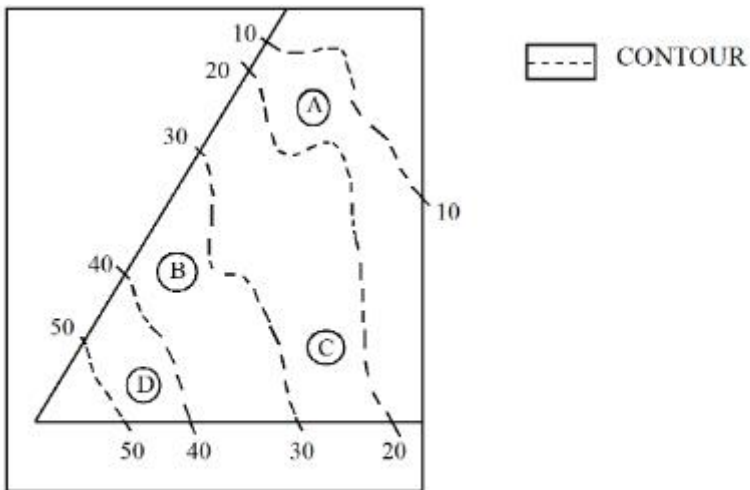
7155058728. Canara Bank

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

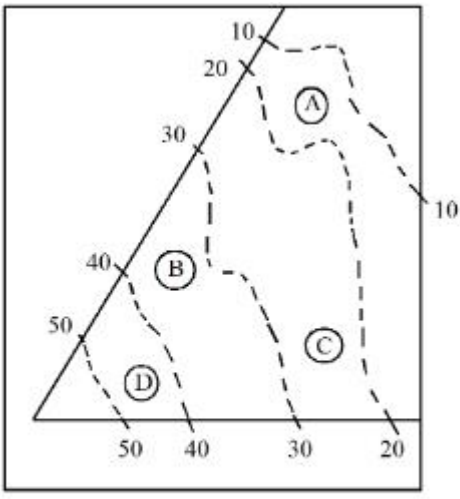
7155058732. 20-30

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



----- CONTOUR

প্রদত্ত চিত্রে D এর অবস্থান হল:

Options :

7155058729. 30-40

7155058730. 40-50

7155058731. 10-20

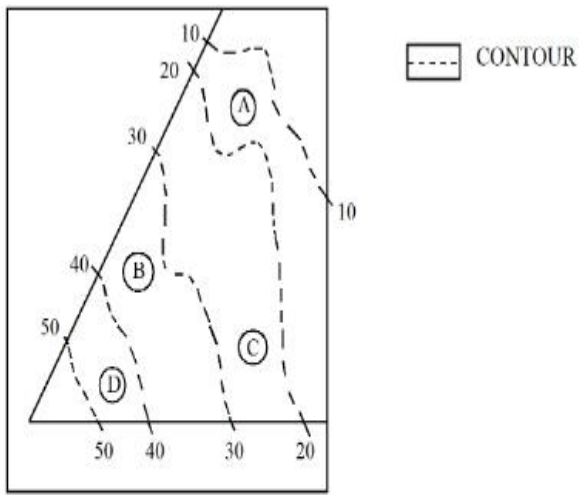
7155058732. 20-30

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

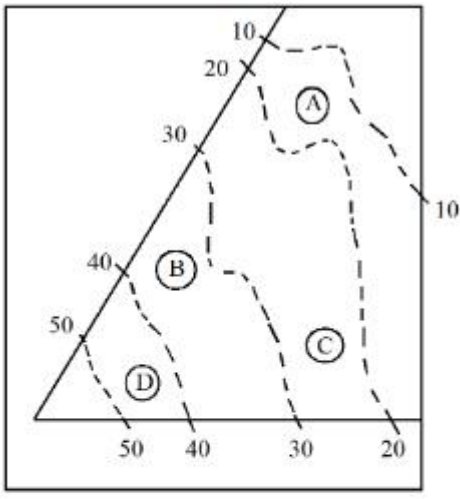
7155058736. Statement **I** is false but Statement **II** is true

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



----- CONTOUR

বিবৃতি I: প্রদত্ত চিত্রে B এর অবস্থান C এর উপরে

বিবৃতি II: প্রদত্ত চিত্রে A এর অবস্থান C এর नीচে

উপরের বিবৃতিদুটির প্রসঙ্গে, नीচের ঠিক বিকল্পটি হল:

Options :

7155058733. বিবৃতি I এবং বিবৃতি II উভয়ই ঠিক

7155058734. বিবৃতি I এবং বিবৃতি II উভয়ই ভুল

7155058735. বিবৃতি I ঠিক কিন্তু বিবৃতি II ভুল

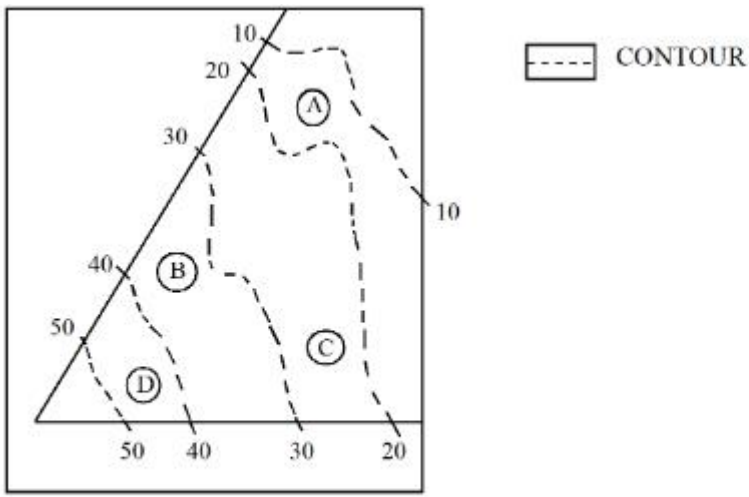
7155058736. বিবৃতি I ভুল কিন্তু বিবৃতি II ঠিক

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

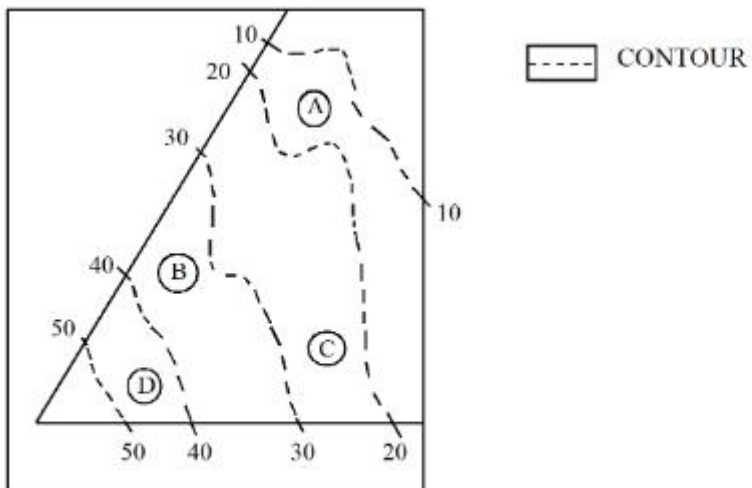
7155058740. 40-50

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 চিত্রে A কোন বহিরেখবিন্যাসে (contour) অবস্থান করে?

Options :

7155058737. 20-30

7155058738. 30-40

7155058739. 10-20

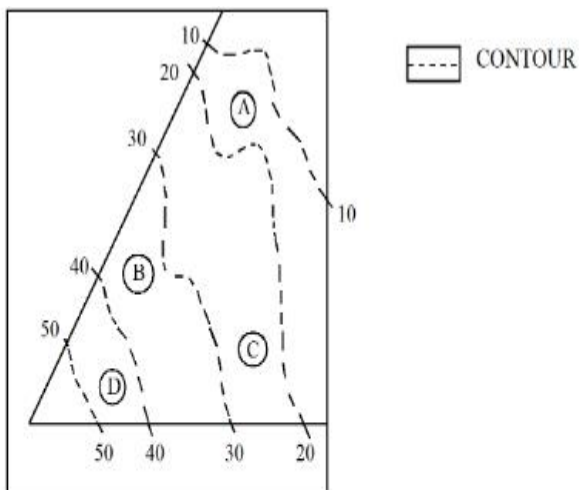
7155058740. 40-50

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

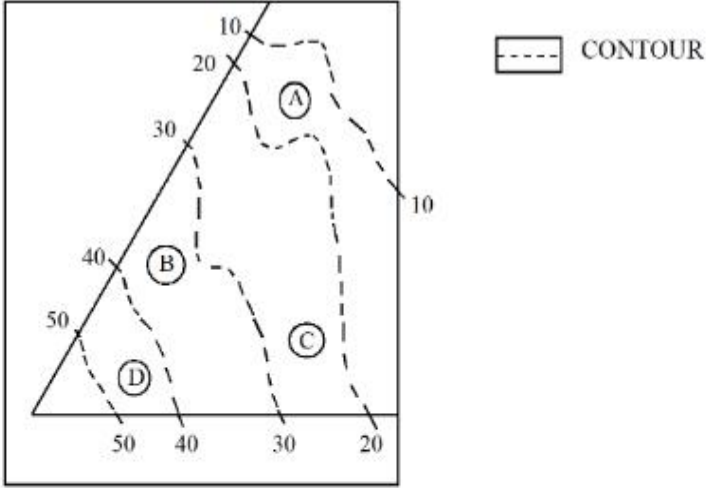
7155058744. Statement I is false but Statement II is true

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



বিবৃতি I: 'A' প্রদত্ত স্থানে সর্বনিম্ন অবস্থানে আছে

বিবৃতি II: 'A' প্রদত্ত স্থানে 'B' এর তুলনায় নিম্নতর অবস্থানে আছে

উপরোক্ত বিবৃতিগুলির প্রসঙ্গে নীচের বিকল্পগুলি থেকে সঠিক উত্তর বাছুন:

Options :

7155058741. বিবৃতি I এবং বিবৃতি II উভয়ই ঠিক

7155058742. বিবৃতি I এবং বিবৃতি II উভয়ই ভুল

7155058743. বিবৃতি I ঠিক কিন্তু বিবৃতি II ভুল

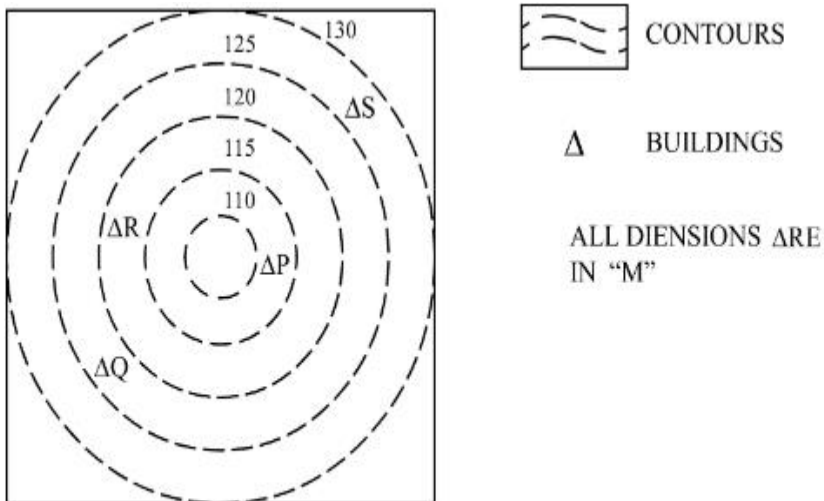
7155058744. বিবৃতি I ভুল কিন্তু বিবৃতি II ঠিক

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

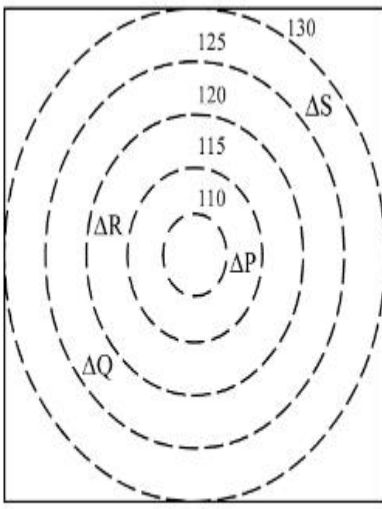
7155058748. 4

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 চিত্রে কতগুলি বহরেখ বিন্যাসের স্তর (contour levels) "P" এবং "S" এর মধ্যে উপস্থিত

Options :

7155058745. 2

7155058746. 3

7155058747. 1

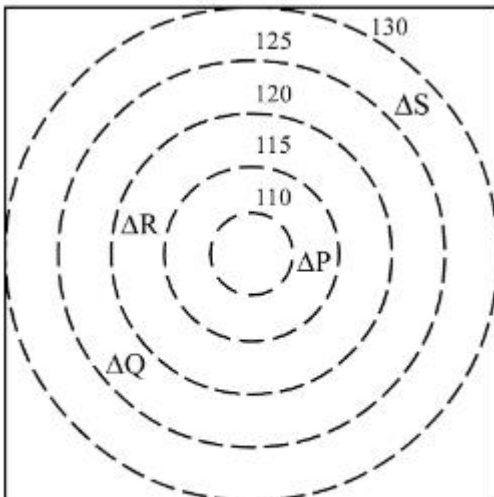
7155058748. 4


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

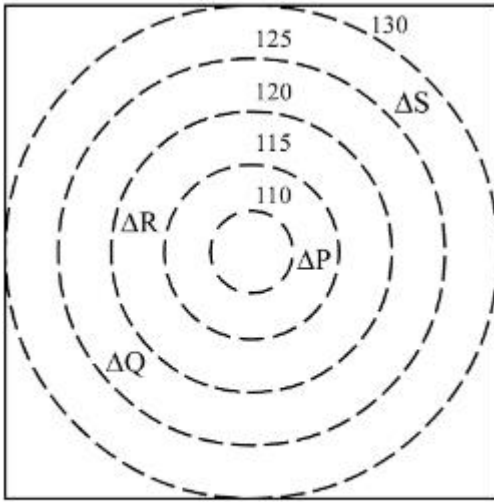
7155058752. 15


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 চিত্রে "S", "R" এর চেয়ে _____ মিটার উঁচুতে আছে।

Options :

7155058749. 5

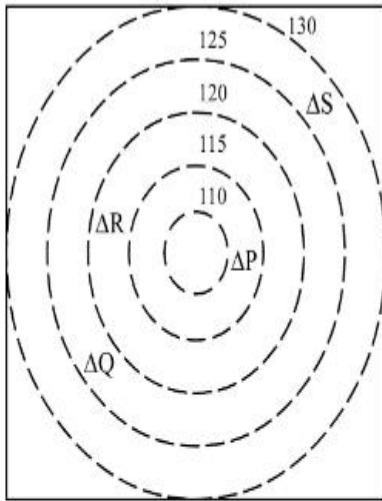
7155058750. 10

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

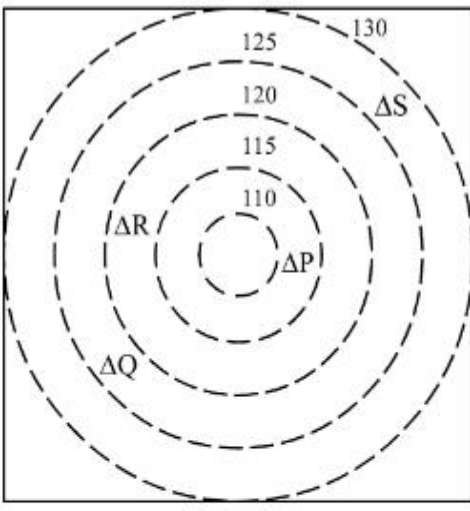
7155058754. Both Statement **I** and Statement **II** are false

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

Δ BUILDINGS

ALL DIENSIONS ARE
IN "M"

প্রদত্ত চিত্র অনুযায়ী:

বিবৃতি I : "R", "P" এবং "Q" এর থেকে উচ্চতর

বিবৃতি II : "S", "P", "Q" এবং "R" এর থেকে উচ্চতর

উপরোক্ত বিবৃতিগুলির ভিত্তিতে, নীচের বিকল্পগুলি থেকে **সঠিক** উত্তর বাছ:

Options :

7155058753. বিবৃতি I এবং বিবৃতি II উভয়ই ঠিক

7155058754. বিবৃতি I এবং বিবৃতি II উভয়ই ভুল

7155058755. বিবৃতি I ঠিক কিন্তু বিবৃতি II ভুল

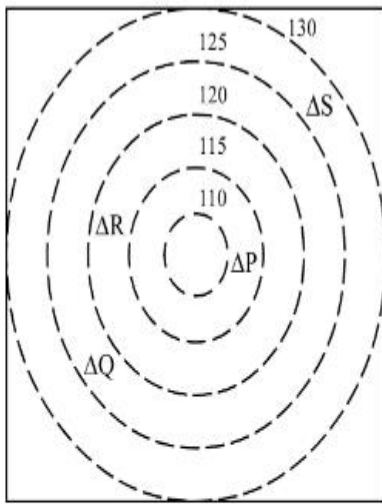
7155058756. বিবৃতি I ভুল কিন্তু বিবৃতি II ঠিক

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

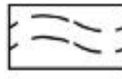
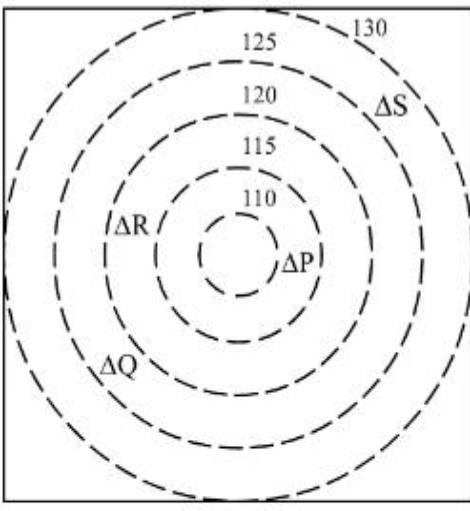
7155058760. Statement **I** is false but Statement **II** is true

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 চিত্র অনুযায়ী:

বিবৃতি I : "P" , 110 M উচ্চতায় অবস্থান করে

বিবৃতি II : "Q", "S" এর থেকে 5 M নীচে অবস্থান করে

উপরোক্ত বিবৃতিগুলির ভিত্তিতে নীচের বিকল্পগুলি থেকে **সঠিক** উত্তর বাছ:

Options :

7155058757. বিবৃতি I এবং বিবৃতি II উভয়ই ঠিক

7155058758. বিবৃতি I এবং বিবৃতি II উভয়ই ভুল

7155058759. বিবৃতি I ঠিক কিন্তু বিবৃতি II ভুল

7155058760. বিবৃতি I ভুল কিন্তু বিবৃতি II ঠিক

Drawing

Section Id : 715505167

Section Number : 5

Section type : Offline

Mandatory or Optional : Mandatory

Number of Questions : 2

Number of Questions to be attempted :	2
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	715505167
Question Shuffling Allowed :	No
Is Section Default? :	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 চিত্রের সমানুপাতিক স্কেচ আঁক। তোমার পছন্দমত কালো এবং সাদা রেন্ডারিং টেকনিক ব্যবহার কর।



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

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