

# National Testing Agency

<b>Question Paper Name :</b>	B PLANNING 28th Jan 2023 Shift 2
<b>Subject Name :</b>	B PLANNING
<b>Creation Date :</b>	2023-01-28 23:48:18
<b>Duration :</b>	180
<b>Total Marks :</b>	400
<b>Display Marks:</b>	Yes

## B PLANNING

<b>Group Number :</b>	1
<b>Group Id :</b>	71550528
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	400
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## Mathematics Section A

<b>Section Id :</b>	715505155
<b>Section Number :</b>	1

<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	20
<b>Number of Questions to be attempted :</b>	20
<b>Section Marks :</b>	80
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	715505155
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 7155052464 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057691.  $R_1$  is transitive but  $R_2$  is not transitive

7155057692.  $R_2$  is transitive but  $R_1$  is not transitive

7155057693. Both  $R_1$  and  $R_2$  are transitive

7155057694. Neither  $R_1$  nor  $R_2$  is transitive

Question Number : 1 Question Id : 7155052464 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ମନେକର  $R_1$  ଏବଂ  $R_2$ ,  $\mathbb{R}^2$  ଉପରେ ଦୁଇଟି ସମ୍ପର୍କ ଯାହାର ସଂଜ୍ଞା ଏହିପରି ।

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

(a, b)  $R_2$  (c, d) ଯଦି  $a + d \geq b + c$  . ତେବେ :

Options :

7155057691.  $R_1$  ସଂକ୍ରମକ ଅଟେ କିନ୍ତୁ  $R_2$  ସଂକ୍ରମକ ନୁହେଁ ।

7155057692.  $R_2$  ସଂକ୍ରମକ ଅଟେ କିନ୍ତୁ  $R_1$  ସଂକ୍ରମକ ନୁହେଁ ।

7155057693. ଉଭୟ  $R_1$  ଏବଂ  $R_2$  ସଂକ୍ରମକ ।

7155057694.  $R_1, R_2$  ମଧ୍ୟରୁ କେହି ସଂକ୍ରମକ ନୁହେଁ ।

Question Number : 2 Question Id : 7155052465 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Options :

7155057695. 1

7155057696.  $\frac{1}{9}$

7155057697. 3

7155057698. 9

**Question Number : 2 Question Id : 7155052465 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ମନେକର ସମୀକରଣ  $x^2 - 3x + 9 = 0$  ର  $\alpha$  ଏବଂ  $\beta$  ଦୁଇଟି ମୂଳ । ତେବେ  $\left( \frac{\beta^{30}}{(9\alpha)^{10}} + \frac{\alpha^{30}}{(9\beta)^{10}} \right)^2$  ସମାନ :

**Options :**

7155057695. 1

7155057696.  $\frac{1}{9}$

7155057697. 3

7155057698. 9

**Question Number : 3 Question Id : 7155052466 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057699. 1153

7155057700. 947

7155057701. 537

7155057702. 837

**Question Number : 3 Question Id : 7155052466 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

$z = 2 + 5i$ , ପାଇଁ  $2z^3 + 21z^2 - 58z + 4$  ର ପରମମାନ ଅଟେ :

**Options :**

7155057699. 1153

7155057700. 947

7155057701. 537

7155057702. 837

**Question Number : 4 Question Id : 7155052467 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057703. 27

7155057704.  $\frac{1}{3}$

7155057705. 9

7155057706. 3

**Question Number : 4 Question Id : 7155052467 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଉତ୍ତର ସମୀକରଣ

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

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

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

ସମୂହ ମାନଙ୍କର ଅସଂଖ୍ୟ ସମାଧାନ ଅଛି, ଯେତେବେଳେ  $K^2$  ଅଟେ :

**Options :**

7155057703. 27

7155057704.  $\frac{1}{3}$

7155057705. 9

7155057706. 3

**Question Number : 5 Question Id : 7155052468 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057707.  $2\sqrt{3}$

7155057708.  $2\sqrt{2}$

7155057709. 4

7155057710. 2

**Question Number : 5 Question Id : 7155052468 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

$\alpha, \beta \in \mathbb{R}$  ପାଇଁ ଯଦି ମାଟ୍ରିକ୍ସ  $A = \begin{pmatrix} \alpha & 0 \\ 0 & \beta \end{pmatrix}$ ,  $B = \begin{pmatrix} \alpha & 0 \\ 0 & \alpha \end{pmatrix}$ ,  $I = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$  ମାନେ ସମୀକରଣ  $(A*B)*2I = 20I$  କୁ ସିଦ୍ଧ

କରନ୍ତି, ଯେଉଁଠାରେ  $A*B = A^2 + B^2$  । ତେବେ  $|\alpha\beta|$  ର ମୂଲ୍ୟ ସମାନ :

**Options :**

7155057707.  $2\sqrt{3}$

7155057708.  $2\sqrt{2}$

7155057709. 4

7155057710. 2

**Question Number : 6 Question Id : 7155052469 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057711.  $\frac{61}{133}$

7155057712.  $\frac{66}{133}$

7155057713.  $\frac{16}{33}$

7155057714.  $\frac{33}{67}$

**Question Number : 6 Question Id : 7155052469 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

$\frac{1}{1+1^2+1^4} + \frac{2}{1+2^2+2^4} + \frac{3}{1+3^2+3^4} + \dots$  ଶ୍ରେଣୀର ପ୍ରଥମ 11ଟି ପଦର ସମଷ୍ଟି ଅଟେ :

**Options :**

7155057711.  $\frac{61}{133}$

7155057712.  $\frac{66}{133}$

7155057713.  $\frac{16}{33}$



**Question Number : 7 Question Id : 7155052470 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057715. e

7155057716.  $e^3$

7155057717.  $e^6$

7155057718.  $e^9$

**Question Number : 7 Question Id : 7155052470 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

**Options :**

7155057715. e

7155057716.  $e^3$

7155057717.  $e^6$

7155057718. e<sup>9</sup>

**Question Number : 8 Question Id : 7155052471 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057719. 90

7155057720. 180

7155057721. 360

7155057722. 270

**Question Number : 8 Question Id : 7155052471 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ମନେକର ବିନ୍ଦୁ  $Q(1, 2, 0)$  ର ରେଖା  $\frac{x-5}{3} = \frac{y-12}{1} = \frac{z-10}{2}$  ରେ ପ୍ରତିବିମ୍ବ ବିନ୍ଦୁଟି  $P(\alpha, \beta, \lambda)$  ଅଟେ। ତେବେ

$(PQ)^2$  ସମ୍ଭାବ୍ୟ:

**Options :**

7155057719. 90

7155057720. 180

7155057721. 360

7155057722. 270

**Question Number : 9 Question Id : 7155052472 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057723. 8820

7155057724. 10584

7155057725. 1764

7155057726. 3515

**Question Number : 9 Question Id : 7155052472 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଗୋଟିଏ ବାଙ୍କର 7ଟି ନାଲି ଓ 9ଟି ଧଳା ବଲ ଅଛି, ତା ମଧ୍ୟରୁ 8ଟି ବଲ ବାଛିବା ଯୋଗ୍ୟକି ତା ମଧ୍ୟରେ ଅତିକମରେ 3ଟି ବଲ ପ୍ରତ୍ୟେକ ରଙ୍ଗର ଥିବା ଏହିପରି 8ଟି ବଲ ବାଛି ବାହାର କରିବାର ଉପାୟ ସଂଖ୍ୟା ଅଟେ:

**Options :**

7155057723. 8820

7155057724. 10584

7155057725. 1764

7155057726. 3515

**Question Number : 10 Question Id : 7155052473 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057727. 19

7155057728. -19

7155057729. 18

7155057730. -21

**Question Number : 10 Question Id : 7155052473 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ମନେକର  $[t]$  ର ଅର୍ଥ ସବୁଠାରୁ ବଡ଼ ପୂର୍ଣ୍ଣସଂଖ୍ୟାକୁ ବୁଝାଏ । ଯଦି  $\int_0^1 [1+x^2+x^4] dx = a$ , ତେବେ

$36a - 25a^2 + 8a^3 - a^4$  ର ମୂଲ୍ୟ ଅଟେ :

**Options :**

7155057727. 19

7155057728. -19

7155057729. 18

7155057730. -21

**Question Number : 11 Question Id : 7155052474 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057731.  $\sqrt{2}$

7155057732. 2

7155057733.  $2\sqrt{2}$

7155057734. 4

**Question Number : 11 Question Id : 7155052474 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ମନେକର  $PL = 8$  ଏକକ ଏବଂ  $QM = 2$  ଏକକ ଦିଶିଥିବା ଦୁଇଟି ସମାନ୍ତର ରେଖାଖଣ୍ଡ ଯେଉଁଠି  $PM$  ଏବଂ  $QL$  ପରସ୍ପରକୁ ବିନ୍ଦୁ  $R$  ଠାରେ ଛେଦ କରନ୍ତି। ଯଦି ବିନ୍ଦୁ  $P, Q, R$  ମଧ୍ୟଦେଇ ଗତି କରୁଥିବା ଏକ ବୃତ୍ତ ପ୍ରତି  $PL$  ଏବଂ  $QM$  ସ୍ପର୍ଶକ ଅଟନ୍ତି, ତେବେ ଏହି ବୃତ୍ତର ବ୍ୟାସାର୍ଦ୍ଧ:

**Options :**

7155057731.  $\sqrt{2}$

7155057732. 2

7155057733.  $2\sqrt{2}$

7155057734. 4

**Question Number : 12 Question Id : 7155052475 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

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

**Options :**

7155057735. 117

7155057736. 129

7155057737. 131

7155057738. 133

**Question Number : 12 Question Id : 7155052475 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

$\alpha \in \mathbb{N}$  ପାଇଁ ମନେକର  $PQR$  ଏକ ତ୍ରିଭୁଜ ଯାହାର ଦୁଇଟି ଶୀର୍ଷ ବିନ୍ଦୁ  $P(2, 5)$  ଏବଂ  $Q(\alpha, -11)$  ଛିର । ଯଦି ବିନ୍ଦୁ  $R$

ରେଖା  $l_1: 9x + 7y + \alpha = 0$  ଦେଇ ଗତି କରେ ତେବେ ତ୍ରିଭୁଜ  $PQR$ ର ଭରଜେନ୍ଦ୍ର (ସେଣ୍ଟ୍ରାଏଡ) ରେଖା  $l_2$  ଦେଇ ଗତି

କରିବ ଯାହା  $l_1$  ଠାରୁ  $\frac{20}{3\sqrt{130}}$  ଏକକ ଦୂରରେ ଅବସ୍ଥିତ । ଯଦି ରେଖା  $l_2$  ଠାରୁ ବିନ୍ଦୁ  $Q$ ର ଦୂରତା  $\frac{k}{3\sqrt{130}}$  ଅଟେ,

ତେବେ  $k$ ର ମୂଲ୍ୟ ସମାନ :

**Options :**

7155057735. 117

7155057736. 129

7155057737. 131

7155057738. 133

**Question Number : 13 Question Id : 7155052476 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

Let  $A_i(x_i, y_i)$ ,  $i = 1, 2, 3$  be points on the circle  $x^2 + y^2 = 10$  such that  $A_1$  lies in the 1<sup>st</sup> quadrant and it is the image of point  $A_2$  with respect to  $y$ -axis. If the distance of point  $A_1$  from each of the points  $A_2$  and  $A_3$  is 2, then twenty times the area of the  $\Delta A_1 A_2 A_3$  is

**Options :**

7155057739. 12

7155057740. 30

7155057741. 24

7155057742. 48

Question Number : 13 Question Id : 7155052476 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ମନେକର  $A_i(x_i, y_i)$ ,  $i = 1, 2, 3$  ବିନ୍ଦୁମାନେ ବୃତ୍ତ  $x^2 + y^2 = 10$  ଉପରିସ୍ଥ ବିନ୍ଦୁ ଯେପରିକି  $A_1$  ପ୍ରଥମ ପାଦରେ ଏବଂ

ଏହାର ବିନ୍ଦୁ  $A_2$  ର  $y$ -ଅକ୍ଷ ଉପରେ ପ୍ରତିବିମ୍ବ । ଯଦି ପ୍ରତ୍ୟେକ ବିନ୍ଦୁ  $A_2$  ଏବଂ  $A_3$  ଠାରୁ  $A_1$  ର ଦୂରତା 2 ହୁଏ,

ତେବେ  $\Delta A_1 A_2 A_3$  ର 20 ଗୁଣା ଅଟେ :

Options :

7155057739. 12

7155057740. 30

7155057741. 24

7155057742. 48

Question Number : 14 Question Id : 7155052477 Question Type : MCQ Option Shuffling : Yes 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 :

7155057743. 5

7155057744. 7

7155057745. 9

7155057746. 11



**Question Number : 14 Question Id : 7155052477 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

7<sup>89</sup> କୁ 15 ଦ୍ଵାରା ଭାଗକଲେ ଭାଗଶେଷ ଅଟେ:

**Options :**

7155057743. 5

7155057744. 7

7155057745. 9

7155057746. 11

**Question Number : 15 Question Id : 7155052478 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057747. 5

7155057748. 13

7155057749. 19

7155057750. 27

**Question Number : 15 Question Id : 7155052478 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ଯଦି ସମତଳ  $y = \alpha x - \beta y + \gamma$  ଚି ବିନ୍ଦୁ  $(1, -1, 3)$  ମଧ୍ୟଦେଇ ଗତିକରି ଅନ୍ୟ ଦୁଇଟି ସମତଳ  $2x + y + z = 1$  ଏବଂ

$3x - 2y + 2z = 0$  ପ୍ରତି ଲମ୍ବ ହୁଏ, ତେବେ  $\alpha + \beta + \gamma$  ସମାନ :

**Options :**

7155057747. 5

7155057748. 13

7155057749. 19

7155057750. 27

**Question Number : 16 Question Id : 7155052479 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

Let  $\vec{a} = \hat{i} + 2\hat{j} + 3\hat{k}$ ,  $\vec{b} = \hat{i} - \hat{j} + 2\hat{k}$ ,  $\vec{c} = 2\hat{i} + \hat{j} - 4\hat{k}$  be three vectors. If  $\vec{r}$  is the vector such that

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

**Options :**

7155057751. 3

7155057752. 4

7155057753. 5

7155057754. 6

Question Number : 16 Question Id : 7155052479 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ମନେକର  $\vec{a} = \hat{i} + 2\hat{j} + 3\hat{k}$ ,  $\vec{b} = \hat{i} - \hat{j} + 2\hat{k}$ ,  $\vec{c} = 2\hat{i} + \hat{j} - 4\hat{k}$  ଭିନ୍ନଗୋଟି ଦିଶାଇ । ଯଦି  $\vec{r}$  ଅନ୍ୟ ଏକ ଏପରି ଦିଶାଇ

ଯେପରିକି  $\vec{r} \times \vec{a} = (\vec{b} + \vec{c}) \times \vec{a}$  ଏବଂ  $\vec{r} \cdot (\vec{b} - \vec{c}) = 0$  ତେବେ  $\vec{r} \cdot (\hat{i} + \hat{j} - \hat{k})$  ସମାନ

Options :

7155057751. 3

7155057752. 4

7155057753. 5

7155057754. 6

Question Number : 17 Question Id : 7155052480 Question Type : MCQ Option Shuffling : Yes 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 :

7155057755. 0

7155057756.  $\frac{1}{59}$

7155057757.  $\frac{3}{59}$

7155057758.  $\frac{7}{118}$

**Question Number : 17 Question Id : 7155052480 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ସମୀକରଣ  $1 + x + x^2 + \dots + x^{118}$  ର ମୂଳ ମାନଙ୍କ ମଧ୍ୟରୁ ମନଇଚ୍ଛା ବଛାଯାଇଥିବା ଏକ ମୂଳ, ସମୀକରଣ  $x^7 = 1$  କୁ ସିଦ୍ଧ କରେ, ତେବେ ସେ ମୂଳଟିକୁ ବାଛିବାର ସମ୍ଭାବ୍ୟତା ଅଟେ :

**Options :**

7155057755. 0

7155057756.  $\frac{1}{59}$

7155057757.  $\frac{3}{59}$

7155057758.  $\frac{7}{118}$

**Question Number : 18 Question Id : 7155052481 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057759.  $\frac{29 \times 2^8}{3^9}$

7155057760.  $\frac{25 \times 2^9}{3^9}$

$$7155057761. \frac{163}{3^9}$$

$$7155057762. \frac{835}{3^9}$$

**Question Number : 18 Question Id : 7155052481 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ମନେକର  $X$  ର ଦ୍ୱିପଦ ବଣ୍ଟନ  $B(n, \beta)$  ଅଟେ। ଯଦି ଦ୍ୱିପଦ ବଣ୍ଟନର ମଧ୍ୟମାନ 3 ଏବଂ ଏହାର ପ୍ରସାରଣ 2 ଅଟେ, ତେବେ

$P(X < \frac{n}{4})$  ସମାନ :

**Options :**

$$7155057759. \frac{29 \times 2^8}{3^9}$$

$$7155057760. \frac{25 \times 2^9}{3^9}$$

$$7155057761. \frac{163}{3^9}$$

$$7155057762. \frac{835}{3^9}$$

**Question Number : 19 Question Id : 7155052482 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057763.  $\left(\sqrt{2}-1, \frac{3}{5}\right]$

7155057764.  $\left[\frac{3}{5}, \infty\right)$

7155057765.  $\mathbb{R} - \{-\sqrt{2}-1, \sqrt{2}-1\}$

7155057766.  $(-\infty, -1-\sqrt{2}) \cup (\sqrt{2}-1, \infty)$

**Question Number : 19 Question Id : 7155052482 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ଫଳନ  $f(x) = \cos^{-1}\left(\frac{x^2-3x+2}{x^2+2x-1}\right)$  ର ଡୋମେନ୍ (x ତଳର ମୂଲ୍ୟ ମାନେ) ଅଟେ :

**Options :**

7155057763.  $\left(\sqrt{2}-1, \frac{3}{5}\right]$

7155057764.  $\left[\frac{3}{5}, \infty\right)$

7155057765.  $\mathbb{R} - \{-\sqrt{2}-1, \sqrt{2}-1\}$

7155057766.  $(-\infty, -1-\sqrt{2}) \cup (\sqrt{2}-1, \infty)$

**Question Number : 20 Question Id : 7155052483 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057767.  $((p \Rightarrow q) \vee p) \Rightarrow q$

7155057768.  $((p \wedge q) \Rightarrow p) \Rightarrow q$

7155057769.  $((p \wedge q) \wedge (\sim q)) \Rightarrow p$

7155057770.  $((p \Rightarrow q) \vee p) \Rightarrow p$

**Question Number : 20 Question Id : 7155052483 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ନିମ୍ନ ଉକ୍ତିମାନଙ୍କ ମଧ୍ୟରୁ କେଉଁଟି ଏକ ପୁନରୁକ୍ତି (ଧ୍ରୁବସତ୍ୟ) ?

**Options :**

7155057767.  $((p \Rightarrow q) \vee p) \Rightarrow q$

7155057768.  $((p \wedge q) \Rightarrow p) \Rightarrow q$

7155057769.  $((p \wedge q) \wedge (\sim q)) \Rightarrow p$

7155057770.  $((p \Rightarrow q) \vee p) \Rightarrow p$

## Mathematics Section B

**Section Id :** 715505156

**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 :	715505156
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 21 Question Id : 7155052484 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 : 7155052484 Question Type : SA Calculator : None  
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ବକ୍ର  $y + |x| = 3$  ଏବଂ  $y = |x-1|$  ଦ୍ୱାରା ଆବଦ୍ଧ କ୍ଷେତ୍ରକୁ ବକ୍ର  $y = x^2 + 1$ ,  $m : n$  ଅନୁପାତରେ ବିଭକ୍ତ କରେ, ଯେଉଁଠାରେ  $m$  ଓ  $n$  ପରସ୍ପର ମୌଳିକ  $m+n =$  \_\_\_\_\_ ।

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 :** 7155052485 **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 :** 7155052485 **Question Type :** SA **Calculator :** None

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

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

30 ଟି ଏକା ପ୍ରକାରର କଲମିକୁ 12 ଜଣ ଛାତ୍ରଙ୍କ ମଧ୍ୟରେ ବ୍ୟାଗାଗଲା ଯେପରିକି ପ୍ରତ୍ୟେକ ଛାତ୍ର ଅତିକମ୍ରେ ଗୋଟିଏ କଲମି ପାଆନ୍ତି ଏବଂ ଠିକ୍ ଦୁଇଜଣ ଛାତ୍ର ଅତିକମ୍ରେ ଦୁଇଟି କଲମି ପାଆନ୍ତି । ତେବେ ଏହି ବ୍ୟବସ୍ଥା ପ୍ରକାର ଅଟେ \_\_\_\_\_ ।

**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 : 7155052486 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 : 7155052486 Question Type : SA Calculator : None**

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

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

ମନେକର  $(1+x^2-x^4)^{12} = \sum_{n=0}^{48} a_n x^n$  । ଖୋଜ  $a_0+a_2+a_4+\dots+a_{44} = \underline{\hspace{2cm}}$  ।

**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 : 7155052487 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 : 7155052487 Question Type : SA Calculator : None**

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

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

ଯଦି  $7+10+16+25+37+\dots$  ଶ୍ରେଣୀଟିର ପ୍ରଥମ  $n$  ପଦର ସମଷ୍ଟିକୁ  $S_n$  ବୋଲି ଲେଖାଯାଏ, ତେବେ  $S_{30} - S_{20} =$  \_\_\_\_\_ ।

**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 : 7155052488 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 :** 7155052488 **Question Type :** SA **Calculator :** None

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

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

ଯଦି  $[t]$  ର ଅର୍ଥ  $t$  ଏକ ସର୍ବାଧିକ ପୂର୍ଣ୍ଣ ସଂଖ୍ୟା ଯାହା  $t$  ଠାରୁ ସାନ ବା  $t$  ସହ ସମାନ, ତେବେ ଫଳନ

$f(x) = [x+x^3] + |x-x^3| + \left|x + \frac{1}{2}\right|$  ଚି ମୁକ୍ତ ଅନ୍ତରାଳ  $(-10, 10)$ , ମଧ୍ୟରେ ଅବକଳନୀୟ ହୋଇପାରୁନଥିବା ବିନ୍ଦୁମାନଙ୍କର ସଂଖ୍ୟା

ଅଟେ \_\_\_\_\_ ।

**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 :** 7155052489 **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 : 7155052489 Question Type : SA Calculator : None**

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

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

ଯଦି  $\int \frac{dx}{(3x^2+5)\sqrt{10x^2+7}} = -\frac{1}{\sqrt{580}} \log_e |f(x)| + C$  ଯେଉଁଠି  $C$  ଏକ ସ୍ଥିରାଙ୍କ, ତେବେ  $f(0) = \underline{\hspace{2cm}}$  ।

**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 : 7155052490 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 : 7155052490 Question Type : SA Calculator : None**

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

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

ମନେକର ଉତ୍କଳେନ୍ଦ୍ର (ଏସେସ୍‌ସିସିଟି)  $e\sqrt{3}$  ଏବଂ ଫୋକସ୍ ଦ୍ୱୟ  $(1, 5)$ ,  $(1, -1)$  ଥିବା ହାଇପରବୋଲାର ସମୀକରଣ

ଅଟେ  $x^2 - 2y^2 + ax + by + c = 0$ । ତେବେ  $|a + b + c| = \underline{\hspace{2cm}}$  ।

**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 : 7155052491 Question Type : SA Calculator : None**

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

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

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

$(\alpha_2, \alpha_1, 0)$  and  $(\frac{164}{13}, 5, 0)$  is  $\underline{\hspace{2cm}}$  unit<sup>2</sup>.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

10 to 12

**Question Number : 28 Question Id : 7155052491 Question Type : SA Calculator : None**

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

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

ମନେକର  $\alpha$  ର ଦୁଇଟି ପୃଥକ ମୂଲ୍ୟ  $\alpha_1, \alpha_2$  ଯେପରିକି ବିନ୍ଦୁ  $(2, 4, 3)$  ଏବଂ ସମତଳ  $3x + y + \alpha z + 10 = 0$

ମଧ୍ୟରେ ଦୂରତା  $\sqrt{35}$  ଏକକ । ତେବେ  $(\alpha_1, \alpha_2, 0), (\alpha_2, \alpha_1, 0)$  ଏବଂ  $(\frac{164}{13}, 5, 0)$  ଶୀର୍ଷବିନ୍ଦୁ ଥିବା ତ୍ରିଭୁଜର

କ୍ଷେତ୍ରଫଳ ଅଟେ \_\_\_\_\_ ବର୍ଗ ଏକକ ।

**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 :** 7155052492 **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  $\alpha$  is equal to \_\_\_\_\_.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

10 to 12

**Question Number :** 29 **Question Id :** 7155052492 **Question Type :** SA **Calculator :** None

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

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

O ମୂଳବିନ୍ଦୁ, ମନେକର ଦିଶାଇ  $\vec{OA} = -3\hat{i} + 7\hat{j} + 5\hat{k}$ ,  $\vec{OB} = -5\hat{i} + 7\hat{j} - 3\hat{k}$  ଏକ  $\vec{OC} = \hat{i}$  ଆକ୍ଷତତ୍ତ୍ଵର କ୍ଷେତ୍ରର ୩

ଟି ପାର୍ଶ୍ଵ, ଯେଉଁଠାରେ  $\hat{u}$ ,  $xy$ - ସମତଳ ଉପରେ ଅବସ୍ଥିତ ଏକକ ଦିଶାଇ । ଯଦି ଆକ୍ଷତତ୍ତ୍ଵର ସର୍ବାଧିକ

ଘନଫଳ  $2\sqrt{\alpha}$  ଅଟେ, ତେବେ  $\alpha =$  \_\_\_\_\_ ।

**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 :** 7155052493 **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 :** 7155052493 **Question Type :** SA **Calculator :** None

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

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



ଯଦି ଅବକଳ ସମୀକରଣ  $\frac{x+y-2}{x+y-1} \frac{dy}{dx} = \frac{x+y+2}{x+y+1}$ ,  $x+y > 2$  ର ସମାଧାନ ବକ୍ର ବିନ୍ଦୁ  $(\sqrt{2}, \sqrt{2})$  ଏବଂ  $(2, \alpha)$  ମଧ୍ୟଦେଇ

ଗତିକରେ ଚେତେ  $2\alpha - \log_e \left( \frac{\alpha^2 + 4\alpha + 2}{6} \right) = \underline{\hspace{2cm}}$  ।

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

10 to 12

## Aptitude Test

<b>Section Id :</b>	715505157
<b>Section Number :</b>	3
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	715505157
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

**Question Number :** 31 **Question Id :** 7155052494 **Question Type :** MCQ **Option Shuffling :** Yes **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 :**

7155057781. Type of cement

7155057782. Type of floor finish

7155057783. Type of paint

7155057784. Type of Brick

**Question Number : 31 Question Id : 7155052494 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ଏତକ ହେଲା:

**Options :**

7155057781. ଏକ ପ୍ରକାର ସିମେଣ୍ଟ

7155057782. ଏକ ପ୍ରକାର ଫ୍ଲୋର ଫିନିଶ

7155057783. ଏକ ପ୍ରକାର ରଙ୍ଗ

7155057784. ଏକ ପ୍ରକାର ଇଟା

**Question Number : 32 Question Id : 7155052495 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057785. Both Statement I and Statement II are correct

7155057786. Both Statement I and Statement II are incorrect

7155057787. Statement I is correct but statement II is incorrect

7155057788. Statement I is incorrect but statement II is correct

**Question Number : 32 Question Id : 7155052495 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ତଳେ ଦୁଇଟି କଥା ଦିଆଯାଇଛି:

I : ଚଣ୍ଡିଗଡ଼ ସ୍ଵାଧୀନ ଭାରତର ପ୍ରଥମ ପ୍ଲାନ୍ଡ଼ ସିଟି

II : ଚଣ୍ଡିଗଡ଼ ସିଟି ସ୍ଵିସ ଫ୍ରେଞ୍ଚ ବାସ୍ତୁକଳାବିଦଙ୍କ ଦ୍ଵାରା ଡିଜାଇନ ହୋଇଛି।

ଉପରୋକ୍ତ କଥା ଗୁଡ଼ିକୁ ଧ୍ୟାନରେ ରଖି, ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ ଉପଯୁକ୍ତ ଉତ୍ତର ବାଛିନ୍ତୁ

**Options :**

7155057785. ଉଭୟ କଥା I ଏବଂ କଥା II ସଠିକ୍ ଅଟେ

7155057786. ଉଭୟ କଥା I ଏବଂ କଥା II ଭୁଲ ଅଟେ

7155057787. କଥା I ସଠିକ୍ କିନ୍ତୁ କଥା II ଭୁଲ ଅଟେ

7155057788. କଥା I ଭୁଲ ଅଟେ କିନ୍ତୁ କଥା II ସଠିକ୍ ଅଟେ

**Question Number : 33 Question Id : 7155052496 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057789. Both Statement I and Statement II are correct

7155057790. Both Statement I and Statement II are incorrect

7155057791. Statement I is correct but statement II is incorrect

7155057792. Statement I is incorrect but statement II is correct

**Question Number : 33 Question Id : 7155052496 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ତଳେ ଦୁଇଟି କଥନ ଦିଆଯାଇଛି:

**I :** ଗ୍ଲାସ ର ତାପ ପ୍ରବାହତା ସ୍ୱଚ୍ଛ ଅଟେ

**II :** ଗ୍ଲାସ ଅବଶୋଷଣ, ପ୍ରତିଫଳଣ ଏବଂ ଆଲୋକର ତ୍ରାନ୍ସମିଟ କରିପାରେ

ଉପରୋକ୍ତ କଥନ ଗୁଡ଼ିକୁ ଧ୍ୟାନରେ ରଖି, ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳଗୁଡ଼ିକ ମଧ୍ୟରୁ ଉପଯୁକ୍ତ ଉତ୍ତର ବାଛନ୍ତୁ

**Options :**

7155057789. ଉଭୟ କଥନ I ଏବଂ କଥନ II ସଠିକ୍ ଅଟେ

7155057790. ଉଭୟ କଥନ । ଏବଂ କଥନ ॥ ଭୁଲ ଅଟେ

7155057791. କଥନ । ସଠିକ୍ କିନ୍ତୁ କଥନ ॥ ଭୁଲ ଅଟେ

7155057792. କଥନ । ଭୁଲ ଅଟେ କିନ୍ତୁ କଥନ ॥ ସଠିକ୍ ଅଟେ

**Question Number : 34 Question Id : 7155052497 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057793. A-I, B-III, C-II, D-IV

7155057794. A-III, B-IV, C-I, D-II

7155057795. A-IV, B-II, C-III, D-I

7155057796. A-IV, B-III, C-I, D-II

**Question Number : 34 Question Id : 7155052497 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ତାଲିକା I ସହିତ ତାଲିକା II କୁ ମିଳାଅ

LIST I		LIST II	
A.	PMUY	I.	କୌଶଳ ବିକାଶ ଯୋଜନା
B.	PMAY	II.	ଜନ ଧନ ଯୋଜନା
C.	PMKVY	III.	ଉତ୍କଳା ଯୋଜନା
D.	PMJDY	IV.	ଆଶ୍ୱାସ ଯୋଜନା

ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ ଉପଯୁକ୍ତ ଉତ୍ତର ବାଛନ୍ତୁ:

**Options :**

7155057793. A-I, B-III, C-II, D-IV

7155057794. A-III, B-IV, C-I, D-II

7155057795. A-IV, B-II, C-III, D-I

7155057796. A-IV, B-III, C-I, D-II

**Question Number : 35 Question Id : 7155052498 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057797. A-IV, B-II, C-I, D-III

7155057798. A-III, B-I, C-II, D-IV

7155057799. A-II, B-I, C-IV, D-III

7155057800. A-I, B-IV, C-III, D-II

Question Number : 35 Question Id : 7155052498 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା I ସହିତ ତାଲିକା II କୁ ମିଳାଅ

ତାଲିକା I		ତାଲିକା II	
A.	ସିପି କୁକରେଜା	I.	IIM ଅହମଦାବାଦ
B.	ଲୁଇସ ଆଇ କହନ	II.	ଜବାହରଲାଲ ନେହେରୁ ଯୁନିଭରସିଟି
C.	B.V ଦୋଶି	III.	IIT କାନପୁର
D.	ଅରୁନ୍ଧତ କନଭିଶ୍ଟେ	IV.	IIM ବେଙ୍ଗାଲୁରୁ

ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ ଉପଯୁକ୍ତ ଉତ୍ତର ବାଛନ୍ତୁ:

Options :

7155057797. A-IV, B-II, C-I, D-III

7155057798. A-III, B-I, C-II, D-IV

7155057799. A-II, B-I, C-IV, D-III

7155057800. A-I, B-IV, C-III, D-II

Question Number : 36 Question Id : 7155052499 Question Type : MCQ Option Shuffling : Yes 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 :

7155057801. Blue-Orange

7155057802. Red-Green

7155057803. Blue-Green

7155057804. Violet-Yellow

**Question Number : 36 Question Id : 7155052499 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

କେଉଁଟି ଏକ କମ୍ପ୍ଲିମେଣ୍ଟରୀ ରଙ୍ଗ ଦୁହେଁ?

**Options :**

7155057801. ସ୍ଵ (ନୀଳ) - ଅରେଞ୍ଜି (କମଳା)

7155057802. ରେଡ୍-ଗ୍ରୀନ

7155057803. ସ୍ଵ-ଗ୍ରୀନ

7155057804. ବାଇଗଣି-ହଳଦିଆ

**Question Number : 37 Question Id : 7155052500 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057805. Himachal Pradesh



7155057806. Uttarakhand

7155057807. Uttar Pradesh

7155057808. Madhya Pradesh

**Question Number : 37 Question Id : 7155052500 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ରବର୍ଷ ଗୁମ୍ଫା ଭାରତର କେଉଁ ରାଜ୍ୟରେ ଛିଡ଼ି:

**Options :**

7155057805. ହିମାଚଳ ପ୍ରଦେଶ

7155057806. ଉତ୍ତରାଖଣ୍ଡ

7155057807. ଉତ୍ତର ପ୍ରଦେଶ

7155057808. ମଧ୍ୟ ପ୍ରଦେଶ

**Question Number : 38 Question Id : 7155052501 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057809. Paris

7155057810. Dubai

7155057811. Kuala Lumpur

7155057812. New York

**Question Number : 38 Question Id : 7155052501 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ସଠିକ୍ ବିକଳ୍ପଟି ବାଛି:

ପେଟ୍ରେନା ଟାଉର ରହିଛି

**Options :**

7155057809. ପ୍ୟାରିସ

7155057810. ଦୁବାଇ

7155057811. କୁଆଲାଲମ୍ପୁର

7155057812. ବ୍ରିୟର୍କ

**Question Number : 39 Question Id : 7155052502 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057813. Madhya Pradesh

7155057814. Odisha

7155057815. Karnataka

7155057816. Rajasthan

**Question Number : 39 Question Id : 7155052502 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

କୋଣାର୍କ ମନ୍ଦିର କେଉଁ ରାଜ୍ୟରେ ସ୍ଥିତ:

**Options :**

7155057813. ମଧ୍ୟ ପ୍ରଦେଶ

7155057814. ଓଡ଼ିଶା

7155057815. କର୍ଣ୍ଣାଟକ

7155057816. ରାଜସ୍ଥାନ

**Question Number : 40 Question Id : 7155052503 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057817. Louis I Kahn

7155057818. Mohse Safdi

7155057819. Fariborz Sahba

7155057820. Richard Meyer

**Question Number : 40 Question Id : 7155052503 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଲୋଟସ ମନ୍ଦିରର ବାସ୍ତୁକଳା ବିତ୍ ହେଲେ:

**Options :**

7155057817. ଲୁଇସ ଆଇ କହନ

7155057818. ମୋହସେ ସାଫଦି

7155057819. ଫରିଦୋଜ ସହବା

7155057820. ରିଚାର୍ଡ ମେୟର

**Question Number : 41 Question Id : 7155052504 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057821. A dead Bearer

7155057822. A Dumb Waiter

7155057823. A Jockey Boy

7155057824. A push upper

**Question Number : 41 Question Id : 7155052504 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଏକ ଛୋଟ ଲୋଡ଼ ବୋହିବା ପାଇଁ ବ୍ୟବହୃତ ଛୋଟ ଲୋଡ଼କୁ କୁହାଯାଏ:

**Options :**

7155057821. ଏକ ଡେଡ ବିଅରରୁ

7155057822. ଏକ ଡମ୍ପ ଷ୍ଟେଟର

7155057823. ଏକ ଜଳି ବୟା

7155057824. ଏକ ପୁଷ ଅପର

**Question Number : 42 Question Id : 7155052505 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057825. Bhubaneswar-Puri

7155057826. Puri-Cuttack

7155057827. Bhubaneswar-Cuttack

7155057828. Bhubaneswar-Rourkela

**Question Number : 42 Question Id : 7155052505 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

କାହାକୁ ସାଧାରଣତଃ ଓଡ଼ିଶାର "ଦ୍ଵିନ ସହର" କୁହାଯାଏ।

**Options :**

7155057825. ଭୁବନେଶ୍ଵର - ପୁରୀ

7155057826. ପୁରୀ - କଟକ

7155057827. ଭୁବନେଶ୍ଵର - କଟକ

7155057828. ଭୁବନେଶ୍ଵର - ରାଉରକେଲା

**Question Number : 43 Question Id : 7155052506 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057829. Mesopotamia-Harappa-Egyptian-Chinese

7155057830. Mesopotamia-Egyptian-Harappa-Chinese

7155057831. Mesopotamia-Chinese-Harappa-Egyptian

7155057832. Egyptian-Mesopotamia-Harappa-Sumerian

**Question Number : 43 Question Id : 7155052506 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0**

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

ମଣିଷ ସଭ୍ୟତାର ଉପସ୍ଥିତି ଅନୁସାରେ ସଠିକ୍ କ୍ରମ ହେଲା:

**Options :**

7155057829. ମେସୋପଟାମିଆ - ହରଷା - ଇଜିପ୍ଟିଆନ - ଚାଇନିଜ

7155057830. ମେସୋପଟାମିଆ - ଇଜିପ୍ଟିଆନ - ହରଷା - ଚାଇନିଜ

7155057831. ମେସୋପଟାମିଆ - ଚାଇନିଜ - ହରଷା - ଇଜିପ୍ଟିଆନ

7155057832. ଇଜିପ୍ଟିଆନ - ମେସୋପଟାମିଆ - ହରଷା - ସୁମେରିଆ

**Question Number : 44 Question Id : 7155052507 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057833. Shah Jahan

7155057834. Jahangir

7155057835. Akbar

7155057836. Qutub ud-din Aibak

**Question Number : 44 Question Id : 7155052507 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ଦିଲ୍ଲୀର କୁତବ ମିନାର ଗଜା ହୋଇଛି:

**Options :**

7155057833. ଶାହଜହାନଙ୍କ ସ୍ତମ୍ଭ

7155057834. ଜାହାଙ୍ଗିରଙ୍କ ସ୍ତମ୍ଭ

7155057835. ଆକବରଙ୍କ ସ୍ତମ୍ଭ

7155057836. ଶୁଭ୍ର-ଉଧ-ଦିନ-ଆଇଦାଜ

**Question Number : 45 Question Id : 7155052508 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057837. North

7155057838. South

7155057839. East

7155057840. West

**Question Number : 45 Question Id : 7155052508 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ଦକ୍ଷିଣ ଗୋଲାର୍ଦ୍ଧର କେଉଁ ଦିଗରେ ତୁମେ ଶ୍ରେୟର ପ୍ରି (ଡିଫ୍ୟୁଜଡ୍-ସିଲିଜ) ଆଲୋକ ବର୍ଷ ଡମାମ ପାଇବେ।



**Options :**

7155057837. ଭଉର

7155057838. ଦକ୍ଷିଣ

7155057839. ପୂର୍ବ

7155057840. ପଶ୍ଚିମ

**Question Number : 46 Question Id : 7155052509 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057841. Raj Rewal

7155057842. Charles Correa

7155057843. Achyut Kanvinde

7155057844. Hafeez Contractor

**Question Number : 46 Question Id : 7155052509 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ପ୍ରସିଦ୍ଧ ଜୟପୁର "ଜବାହର କଳା କେନ୍ଦ୍ର" ର ସ୍ଥାପକ ହେଲେ:

**Options :**

7155057841. ରାଜ ରେଝଲ

7155057842. ଚାଲିସ କୋରିଆ

7155057843. ଅରୁଦ୍ଧ କାନଡ଼ିଶ୍ରେ

7155057844. ହଫିଜ ଜଣ୍ଡାକୂର

**Question Number : 47 Question Id : 7155052510 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057845. Coastal Areas

7155057846. Plains

7155057847. Mountainous Region

7155057848. Desert Areas

**Question Number : 47 Question Id : 7155052510 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

"ଧଞ୍ଜି-ଦିୱାରି" ଏକ ଲୋକପ୍ରିୟ ନିର୍ମାଣ ଶୈଳୀ ଅଟେ \_\_\_\_\_ ର।

**Options :**

7155057845. ଉପକୂଳବର୍ତ୍ତୀ ଅଞ୍ଚଳର

7155057846. ସମତଳ ଅଞ୍ଚଳର

7155057847. ପାହାଡ଼ିଆ ଅଞ୍ଚଳର

7155057848. ମରୁଭୂମି ଅଞ୍ଚଳର

**Question Number : 48 Question Id : 7155052511 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057849. Marble

7155057850. Granite

7155057851. Shale

7155057852. Sand Stone

**Question Number : 48 Question Id : 7155052511 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ପର୍ବତାଞ୍ଚଳରେ ଛାତ ପାଇଁ ପଥର ବିନିଯୋଗ ହୁଏ:

**Options :**

7155057849. ମାର୍ବଲ

7155057850. ଗ୍ରାନାଇଟ

7155057851. ଶେଲ

7155057852. (ବାଲି) ସେଣ୍ଟ ପଥର

**Question Number : 49 Question Id : 7155052512 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057853. Radio Centric

7155057854. Grid-iron

7155057855. Linear

7155057856. Organic

**Question Number : 49 Question Id : 7155052512 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଚଣ୍ଡିଗଡ଼ କେଉଁ ପ୍ରକାର ସହର ପ୍ଲାନିଂ ର ଉଦାହରଣ।

**Options :**

7155057853. ରେଡିଓ ସେଣ୍ଟ୍ରିକ

7155057854. ଗ୍ରିଡ - ଆଇରନ

7155057855. ଲିନିଅର

7155057856. ଅରଗାନିକ

**Question Number : 50 Question Id : 7155052513 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057857. Those facing North

7155057858. Those facing South

7155057859. Those facing East

7155057860. Those facing West

**Question Number : 50 Question Id : 7155052513 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଗୋଆ ସମୁଦ୍ରତଟରେ ଘର କରିଲେ, କେଉଁ ରୂମ ଗୁଡ଼ିକରୁ ସମୁଦ୍ରର ଅତିସୁନ୍ଦର (ବେଷ୍ଟ) ଭୂମି ମିଳିବ।

**Options :**

7155057857. ଉତ୍ତର ମୁହାଁ

7155057858. ଦକ୍ଷିଣ ମୁହାଁ

7155057859. ପୂର୍ବ ମୁହାଁ

7155057860. ପଶ୍ଚିମ ମୁହାଁ

**Question Number : 51 Question Id : 7155052514 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057861. B.V Doshi

7155057862. C.P Kukreja

7155057863. Raj Rewal

7155057864. Bimal Patel

**Question Number : 51 Question Id : 7155052514 Question Type : MCQ Option Shuffling : Yes 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" ଜାତୀୟ ଫ୍ୟାସନ ଟେକ୍ନୋଲୋଜି ଅନୁଷ୍ଠାନର ଡିଜାଇନର ହେଲେ:

**Options :**

7155057861. ବି. ଭି. ଦୋଷି

7155057862. ସି. ପି. କୁକ୍ରେଜା

7155057863. ରାଜ ରେୱାଲ

7155057864. ବିମଲ ପଟେଲ





**Question Number : 52 Question Id : 7155052515 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057865. A-II, B-I, C-IV, D-III

7155057866. A-I, B-III, C-IV, D-II





7155057867. A-I, B-II, C-III, D-IV

7155057868. A-IV, B-III, C-II, D-I

Question Number : 52 Question Id : 7155052515 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା । ସହିତ ତାଲିକା । କୁ ମିଳାଅ

	ତାଲିକା I		ତାଲିକା II
A.		I.	ଏମ୍ପାଇର ଷ୍ଟେଟ ବିଲଡିଙ୍ଗ
B.		II.	ହାଜିଆ ସୋଫିଆ
C.		III.	ସିଡନି ଅପେରା ହାଉସ
D.		IV.	କୋଲୋଜିଅମ

ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ ଉପଯୁକ୍ତ ଉତ୍ତର ଚାଛନ୍ତୁ:

Options :



7155057865. A-II, B-I, C-IV, D-III

7155057866. A-I, B-III, C-IV, D-II





7155057867. A-I, B-II, C-III, D-IV

7155057868. A-IV, B-III, C-II, D-I

**Question Number : 53 Question Id : 7155052516 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057869. A-IV, B-I, C-II, D-III

7155057870. A-II, B-III, C-I, D-IV

7155057871. A-III, B-II, C-I, D-IV

7155057872. A-IV, B-III, C-II, D-I





Question Number : 53 Question Id : 7155052516 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା I । ସହିତ ତାଲିକା II କୁ ମିଳାଅ

ତାଲିକା I		ତାଲିକା II	
A.		I.	ଟୋଏଟା
B.		II.	ଫୋରାରି
C.		III.	ସୋର୍ଟ
D.		IV.	ଟୋୟୋଟା

ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ ଉପଯୁକ୍ତ ଉତ୍ତର ଚାଛନ୍ତୁ

Options :

7155057869. A-IV, B-I, C-II, D-III

7155057870. A-II, B-III, C-I, D-IV

7155057871. A-III, B-II, C-I, D-IV

7155057872. A-IV, B-III, C-II, D-I

**Question Number : 54 Question Id : 7155052517 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057873. Both Statement I and Statement II are correct

7155057874. Both Statement I and Statement II are incorrect

7155057875. Statement I is correct but statement II is incorrect

7155057876. Statement I is incorrect but statement II is correct

**Question Number : 54 Question Id : 7155052517 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ତଳେ ଦୁଇଟି କଥନ ଦିଆଯାଇଛି:

**I:** ରେଡ, ବ୍ଲୁ ଏବଂ ଘୋଲୋ ରଙ୍ଗ ଚକ୍ରର ପ୍ରାଥମିକ ରଙ୍ଗ ଅଟନ୍ତି।

**II:** ଯେଉଁ ରଙ୍ଗ ସବୁ ପରସ୍ପରର ବିପରୀତରେ ଛିତ (ରଙ୍ଗ ଚକ୍ରରେ) ସେମାନଙ୍କୁ ପରିପୂରକ ରଙ୍ଗ କୁହାଯାଏ।

ଉପରୋକ୍ତ କଥନ ଗୁଡ଼ିକୁ ଧ୍ୟାନରେ ରଖି, ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳଗୁଡ଼ିକ ମଧ୍ୟରୁ ଉପଯୁକ୍ତ ଉତ୍ତର ବାଛିନ୍ତୁ

**Options :**

7155057873. ଉଭୟ କଥନ । ଏବଂ କଥନ II ସଠିକ୍ ଅଟେ

7155057874. ଉଭୟ କଥନ । ଏବଂ କଥନ II ଭୁଲ ଅଟେ

7155057875. କଥନ I ସଠିକ୍ କିନ୍ତୁ କଥନ II ଭୁଲ ଅଟେ

7155057876. କଥନ I ଭୁଲ ଅଟେ କିନ୍ତୁ କଥନ II ସଠିକ୍ ଅଟେ

**Question Number : 55 Question Id : 7155052518 Question Type : MCQ Option Shuffling : Yes Is**

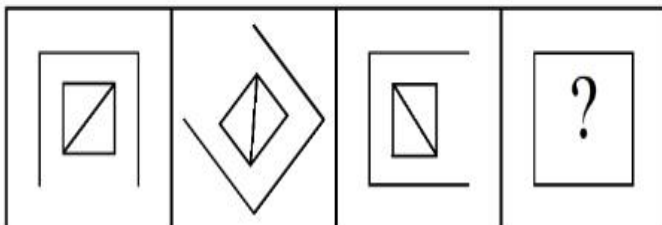
**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0**

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

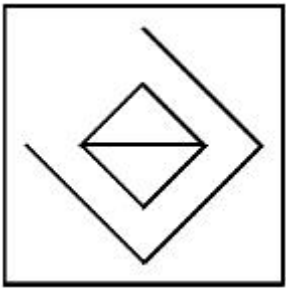
Following question consists of problem figures followed by answer figures. Select a figure from amongst the answer figures which will continue the same series or pattern as established by the problem figures.

PROBLEM FIGURES

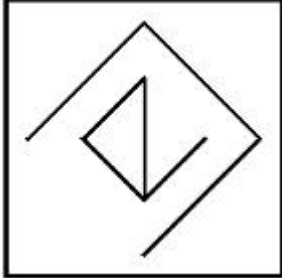


**Options :**

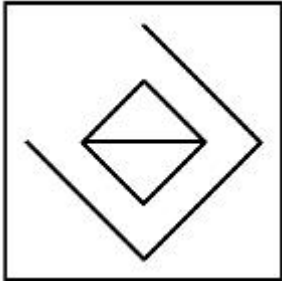
7155057877.



7155057878.



7155057879.



7155057880.



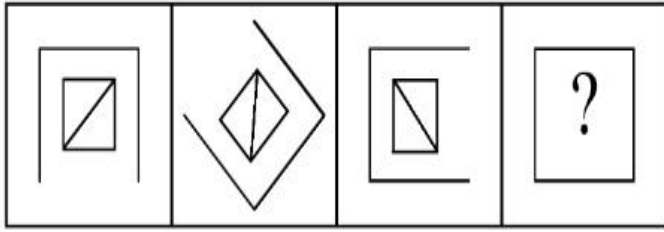
**Question Number : 55 Question Id : 7155052518 Question Type : MCQ Option Shuffling : Yes Is**

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

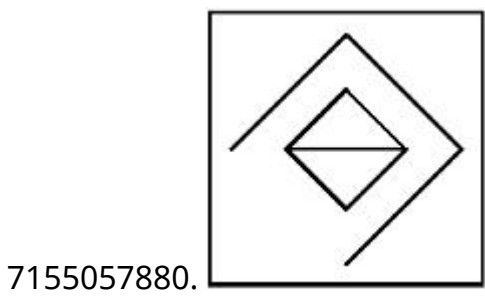
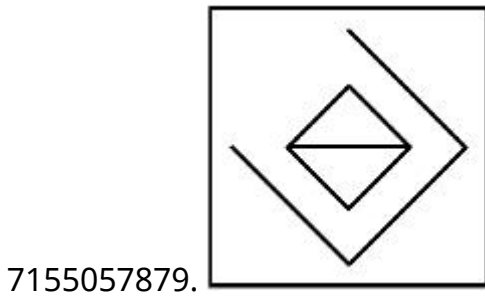
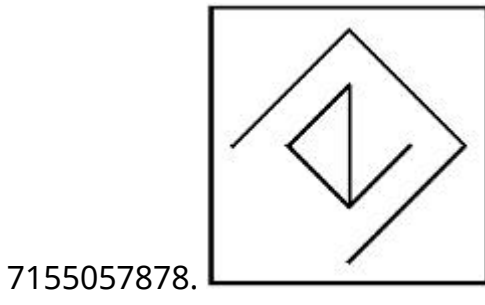
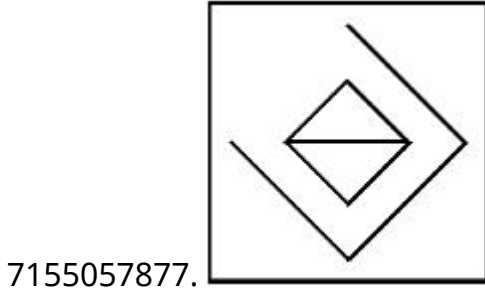
**Instruction Time : 0**

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

ନିମ୍ନୋକ୍ତ ପ୍ରଶ୍ନରେ ପ୍ରଶ୍ନ ଚିତ୍ର ତଥା ଉତ୍ତର ଚିତ୍ର ରହିଛି । ପ୍ରଶ୍ନଚିତ୍ରର ପ୍ୟାଟର୍ନ କୁ ପରିବର୍ତ୍ତିତ (କଣ୍ଠିକା) କରୁଥିବା ଉତ୍ତର ଚିତ୍ର ହେଲା:



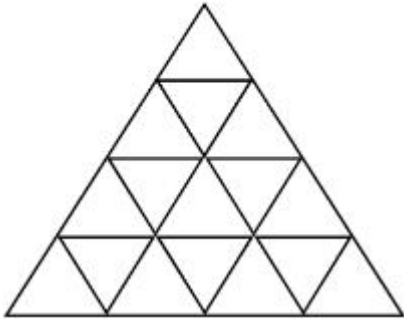
Options :



**Instruction Time : 0**

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

How many triangles are there in given figure:-



**Options :**

7155057881. 26

7155057882. 25

7155057883. 27

7155057884. 24

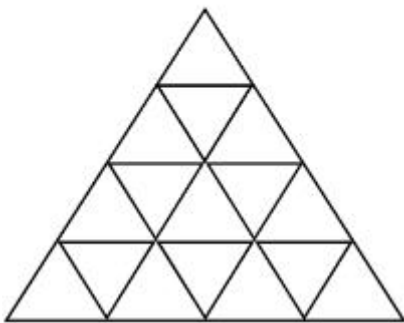
**Question Number : 56 Question Id : 7155052519 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ଚିତ୍ରରେ କେତୋଟି ତ୍ରିଭୁଜ ରହିଛି:



**Options :**

7155057881. 26

7155057882. 25

7155057883. 27

7155057884. 24

**Question Number : 57 Question Id : 7155052520 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057885. 59

7155057886. 32

7155057887. 25

7155057888. 9

**Question Number : 57 Question Id : 7155052520 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଦିଶ୍ୱଳୀତ ସଂଖ୍ୟାଟି ହେଲା:

7, 9, 25, 32, 43, 59

**Options :**

7155057885. 59



7155057886. 32

7155057887. 25

7155057888. 9

**Question Number : 58 Question Id : 7155052521 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057889. 45.6 meter

7155057890. 50 meter

7155057891. 50.4 meter

7155057892. 51.6 meter

**Question Number : 58 Question Id : 7155052521 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଏକ ରିହାଜସି ବିଲଡିଙ୍ଗ ରେ 15 ଟି ଫ୍ଲୋର (ତଳ) ରହିଛି। ଗ୍ରାଉଣ୍ଡ ଫ୍ଲୋରର ଉଚ୍ଚତା 4.2 ମିଟର (ଦୈର୍ଘ୍ୟ ଏବଂ ସ୍ଲାବ ମୋଟେଇକୁ ମିଶାଇ)। ଅନ୍ୟ ସମସ୍ତ ଫ୍ଲୋର 4.2 ମିଟର ଉଚ୍ଚତାର (ସ୍ଲାବ ମୋଟେଇକୁ ମିଶାଇ)। ବିଲଡିଙ୍ଗର ସମଗ୍ର ଉଚ୍ଚତା (ଗ୍ରାଉଣ୍ଡ ରୁ ଟେରାସ ଯାଏ) ମିଟରରେ ହେବ:

**Options :**

7155057889. 45.6 ମିଟର

7155057890. 50 ମିଟର

7155057891. 50.4 ମିଟର

7155057892. 51.6 ମିଟର

**Question Number : 59 Question Id : 7155052522 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057893. 22ECCU2

7155057894. 22ECCU2

7155057895. SUCCESS

7155057896. SSECCUS

**Question Number : 59 Question Id : 7155052522 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ଦିଆଯାଇଥିବା ଶବ୍ଦର ଦର୍ପଣ ପ୍ରତିବିମ୍ବ ହେଲା:

SUCCESS

**Options :**

7155057893. 22ECCU2

7155057894. 22ECCU2

7155057895. SUCCESS

7155057896. SSECCUS

**Question Number : 60 Question Id : 7155052523 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057897. 0.7 km

7155057898. 7000 mm

7155057899. 7 km

7155057900. 70 meter

**Question Number : 60 Question Id : 7155052523 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ମାପାପ ର ସ୍କେଲ 1:1000 ଅଟେ। ଯଦି ଏକ କାର 'A' ଦିଗୁରୁ 'B' ଦିଗୁକୁ ମାପାପରେ ଗମନ କରେ, ତେବେ ପ୍ରକୃତରେ କାର କେତେ ଦୂରତା ଗମନ କରିଛି:

**Options :**

7155057897. 0.7 km

7155057898. 7000 mm

7155057899. 7 km

7155057900. 70 meter

**Question Number : 61 Question Id : 7155052524 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057901. 8 meter  $\times$  4 meter

7155057902. 80 meter  $\times$  40 meter

7155057903. 8 centimeter  $\times$  4 centimeter

7155057904. 4 meter  $\times$  2 meter

**Question Number : 61 Question Id : 7155052524 Question Type : MCQ Option Shuffling : Yes 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 ମି.  $\times$  40 ମି. ଲମ୍ବାଣ୍ଡ ସାଲଜ ଘରର ତିଜାଲନ ଯଦି 1:100 ସ୍କେଲ ରେ ଅଙ୍କାଯାଏ, ତେବେ ଯେପର ଉପରେ ଲମ୍ବାଣ୍ଡ ସାଲଜ ହେବ:

**Options :**

7155057901. 8 ମି.  $\times$  4 ମି.

7155057902. 80 ମି.  $\times$  40 ମି.

7155057903. 8 ସେମି.  $\times$  4 ସେମି.

7155057904. 4 ମି.  $\times$  2 ମି.

**Question Number : 62 Question Id : 7155052525 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057905. 523

7155057906. 521

7155057907. 524

7155057908. 520

**Question Number : 62 Question Id : 7155052525 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ସିରିଜରେ ମିଶିଂ ନମ୍ବର ହେଲା:

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

**Options :**

7155057905. 523

7155057906. 521

7155057907. 524

7155057908. 520

**Question Number : 63 Question Id : 7155052526 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057909. KVCMA

7155057910. KWCNB

7155057911. KUCLA

7155057912. KVCNA

**Question Number : 63 Question Id : 7155052526 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ROMAN କୁ କୋଡ ଭାଷାରେ TQOCP ଲେଖିଲେ: ITALY କୋଡ ଭାଷାରେ ହେବ:

**Options :**

7155057909. KVCMA

7155057910. KWCNB

7155057911. KUCLA

7155057912. KVCNA

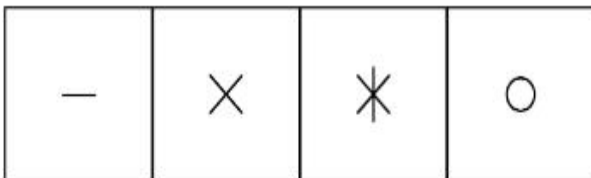
**Question Number : 64 Question Id : 7155052527 Question Type : MCQ Option Shuffling : Yes Is**

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

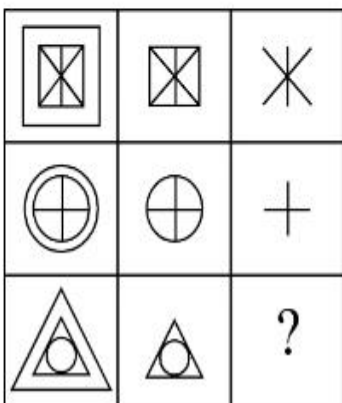
**Instruction Time : 0**

**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 :**

7155057913. D

7155057914. C

7155057915. B

7155057916. A

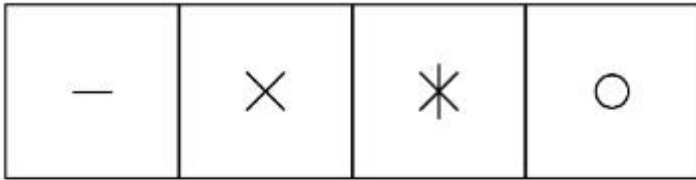
**Question Number : 64 Question Id : 7155052527 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ଖାଲି ବାକ୍ସରେ ପ୍ରଯୁଜ୍ୟ ଉପଯୁକ୍ତ ଚାରି ବିକଳ୍ପ ମଧ୍ୟରୁ ଉତ୍ତର ଚିତ୍ରଟି ହେଲା:

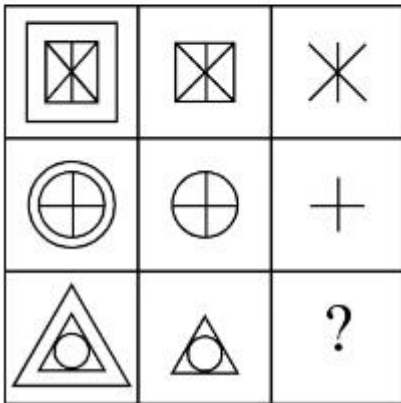


(A)

(B)

(C)

(D)



**Options :**

7155057913. D

7155057914. C

7155057915. B

7155057916. A



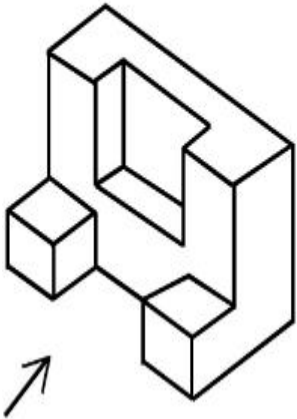
Question Number : 65 Question Id : 7155052528 Question Type : MCQ Option Shuffling : Yes Is

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

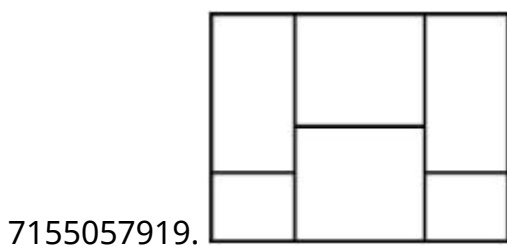
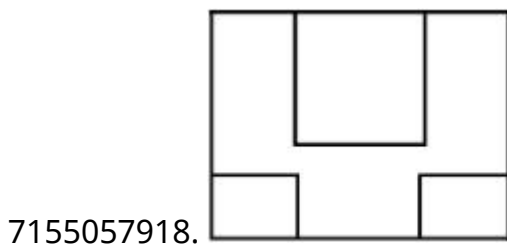
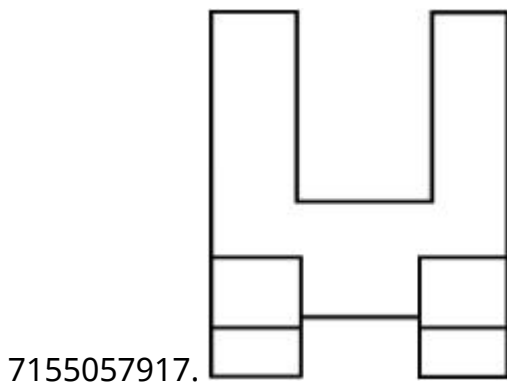
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

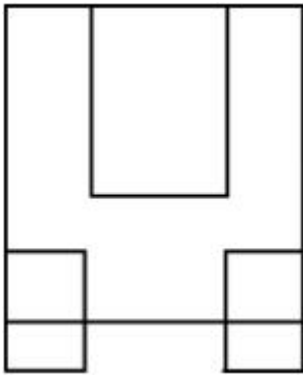
The 3D figure shows the view of an object. Looking in the direction of arrow, identify the most appropriate elevation from the given answer figures.



Options :



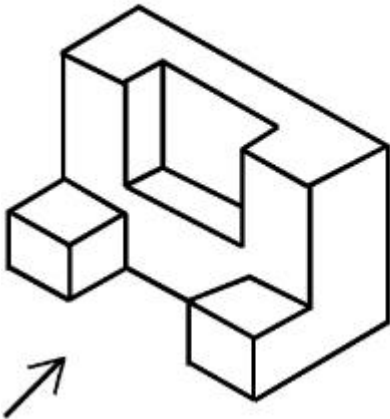
7155057920.



**Question Number : 65 Question Id : 7155052528 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

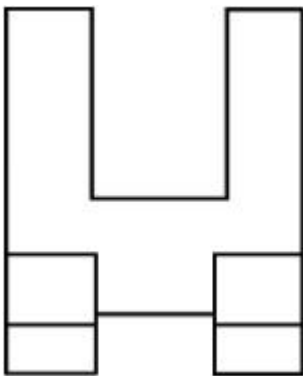
**Correct Marks : 4 Wrong Marks : 1**

3D ଚିତ୍ର ବସ୍ତୁର ଭୂୟ ଦର୍ଶାଉଛି। ତାର ଦିଗରେ ଦେଖିଲେ ଉପଯୁକ୍ତ ସମ୍ପୂର୍ଣ୍ଣ ଭୂୟ ହେବ:

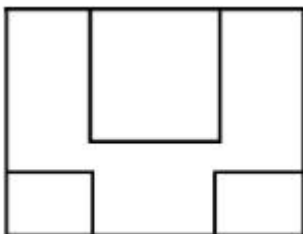


**Options :**

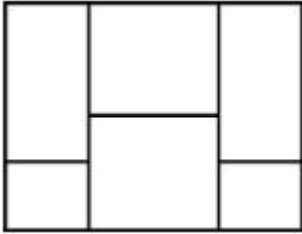
7155057917.



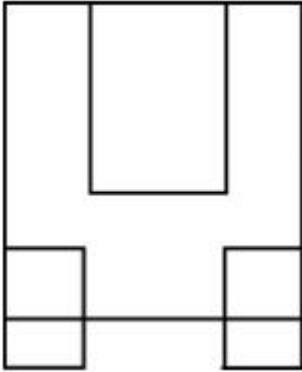
7155057918.



7155057919.



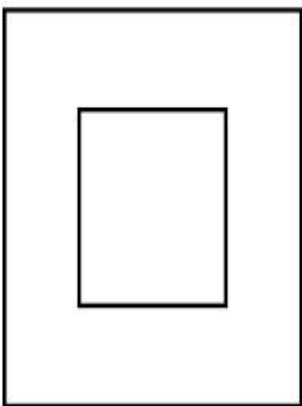
7155057920.



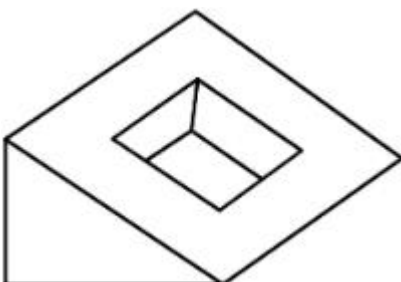
**Question Number : 66 Question Id : 7155052529 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**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.

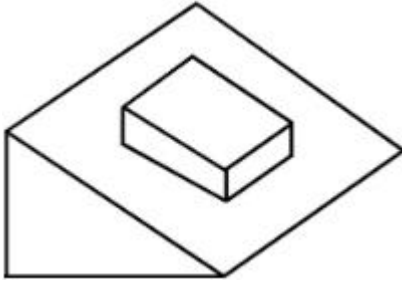


**Options :**

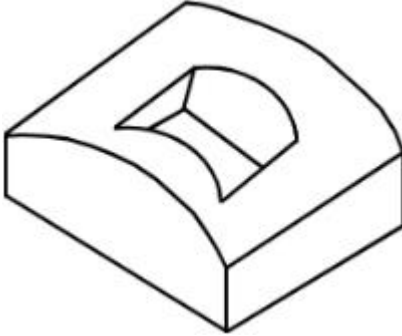


7155057921.

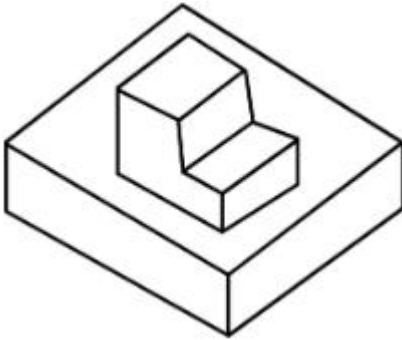
7155057922.



7155057923.



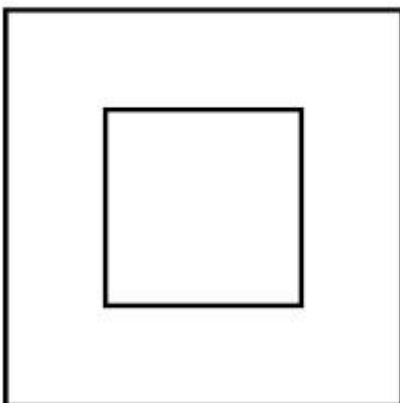
7155057924.



**Question Number : 66 Question Id : 7155052529 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

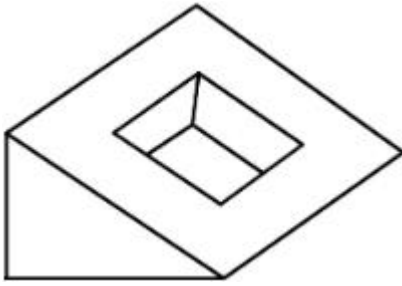
**Correct Marks : 4 Wrong Marks : 1**

ପ୍ରଶ୍ନଟିର ଉପର ଭାଗ/ ସ୍ଥାନ ଦର୍ଶାଉଛି। ତୁମ 3D ଭାଗକୁ ଉତ୍ତର ଚିତ୍ର ମଧ୍ୟରୁ ଚୟନ କର।

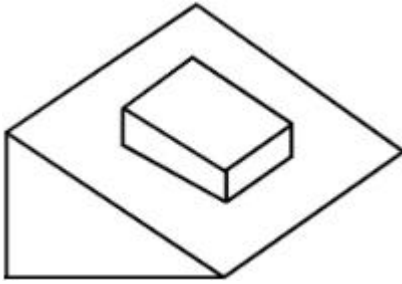


**Options :**

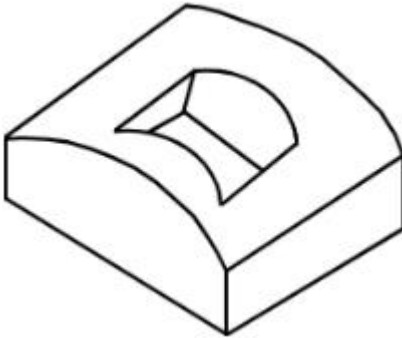
7155057921.



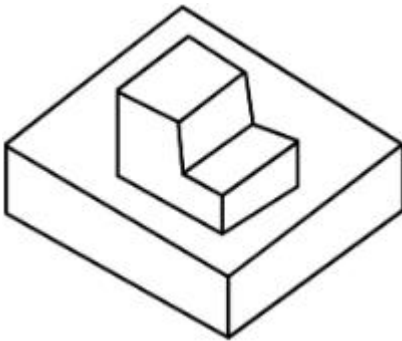
7155057922.



7155057923.



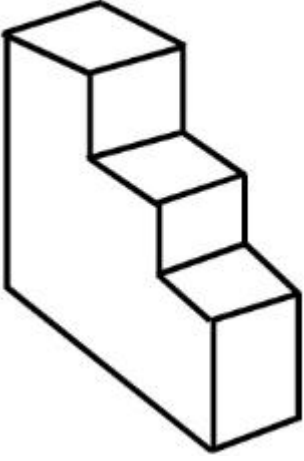
7155057924.



**Question Number : 67 Question Id : 7155052530 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057925. 9

7155057926. 10

7155057927. 8

7155057928. 11

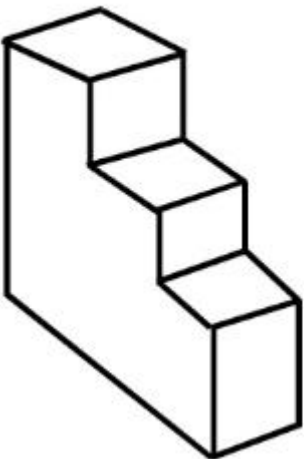
**Question Number : 67 Question Id : 7155052530 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ଏହି ବସ୍ତୁର କେତୋଟି ପୃଷ୍ଠାଟଳ ରହିଛି।



**Options :**

7155057925. 9

7155057926. 10

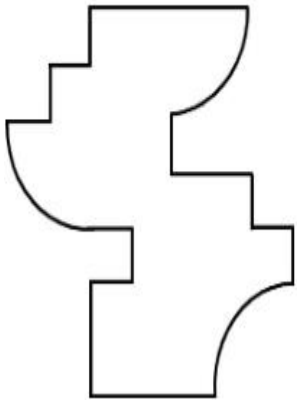
7155057927. 8

7155057928. 11

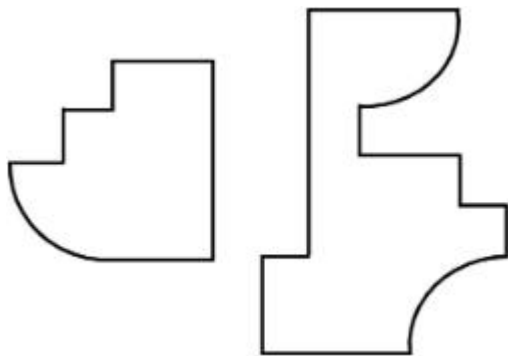
**Question Number : 68 Question Id : 7155052531 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**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 :**

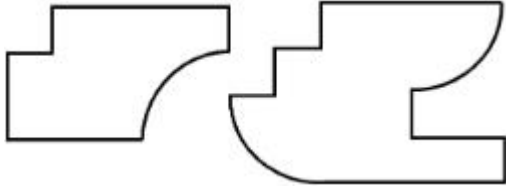


7155057929.

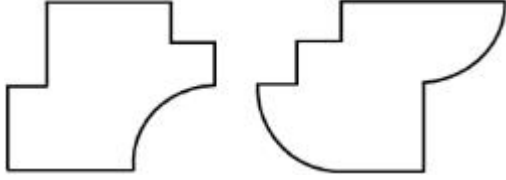


7155057930.

7155057931.



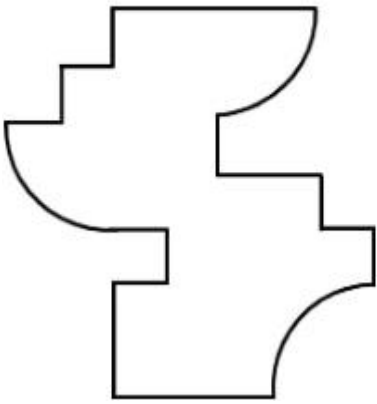
7155057932.



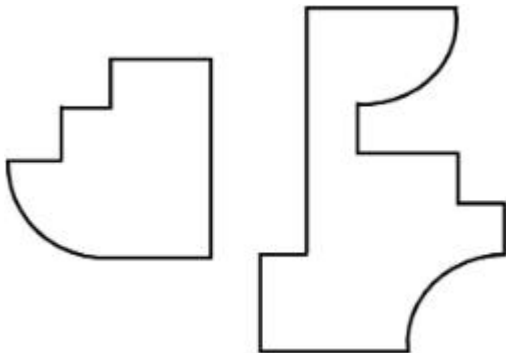
**Question Number : 68 Question Id : 7155052531 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଯଦି ପ୍ରଶ୍ନଟିକୁ ଦୁଇଭାଗ କରାଯାଏ, କେଉଁ ଉଭୟ ଚିତ୍ର ପ୍ରଶ୍ନଟିକୁ ପୂର୍ଣ୍ଣ କରିବ ବିନା ଅଭରଲାପିଂରେ:



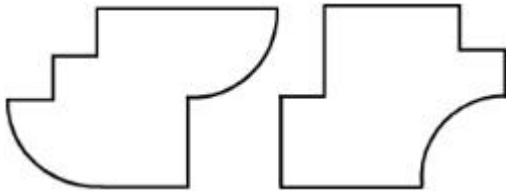
**Options :**



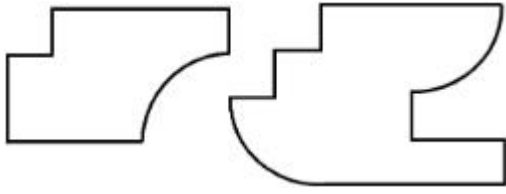
7155057929.



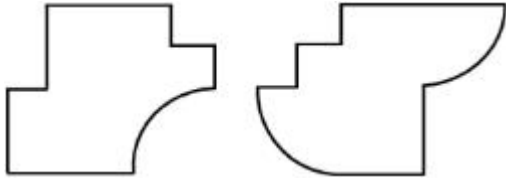
7155057930.



7155057931.



7155057932.



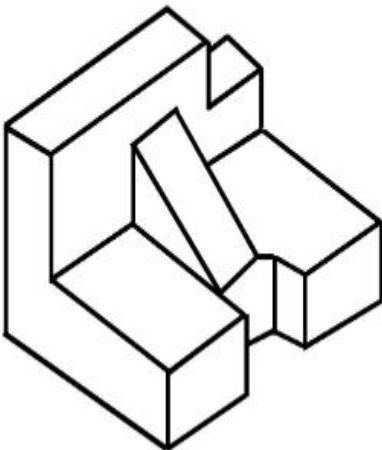
**Question Number : 69 Question Id : 7155052532 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

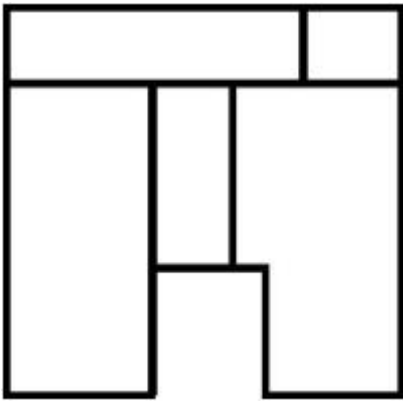
**Correct Marks : 4 Wrong Marks : 1**

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

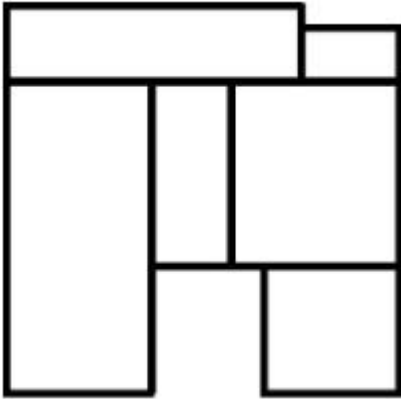


**Options :**

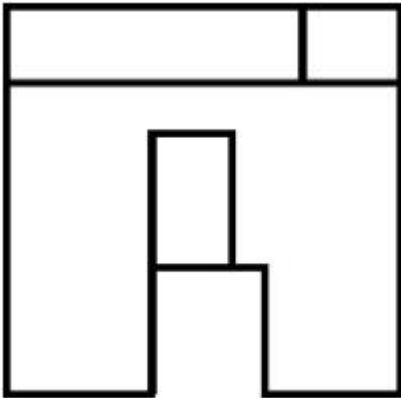
7155057933.



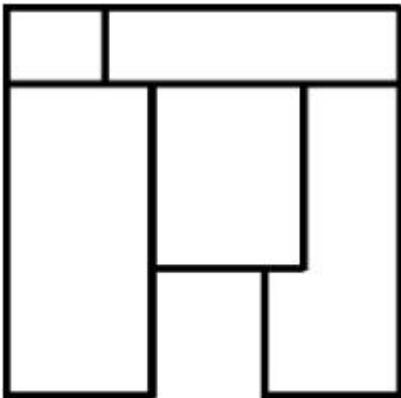
7155057934.



7155057935.



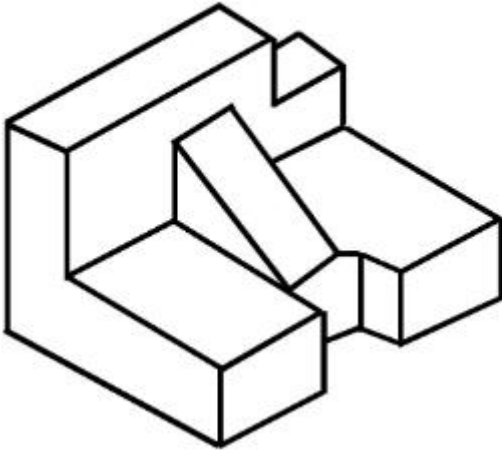
7155057936.



Instruction Time : 0

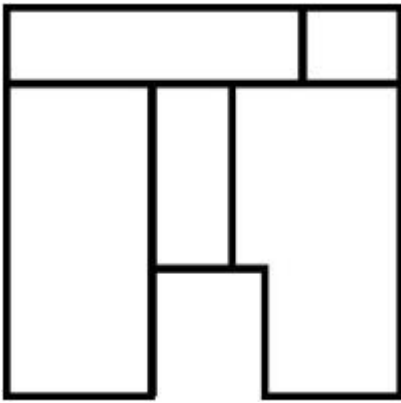
Correct Marks : 4 Wrong Marks : 1

ଦିଆଯାଇଥିବା 3D ରୂପ ଦିଆଗଲା। ଉପଯୁକ୍ତ ଟପ ରୂପ ଚି ହେଲା:

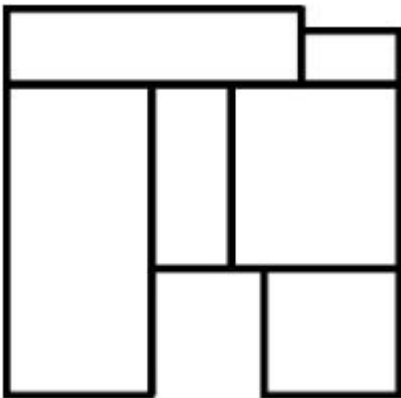


Options :

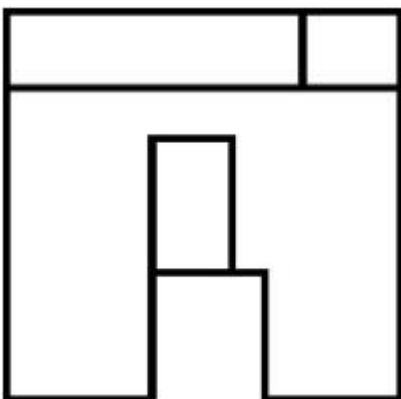
7155057933.



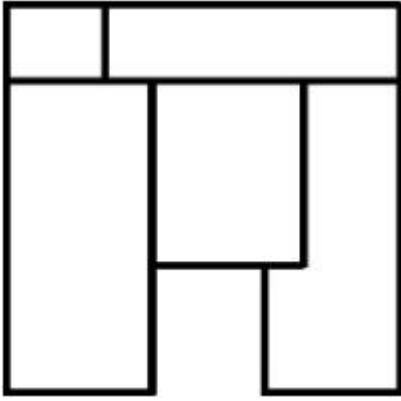
7155057934.



7155057935.



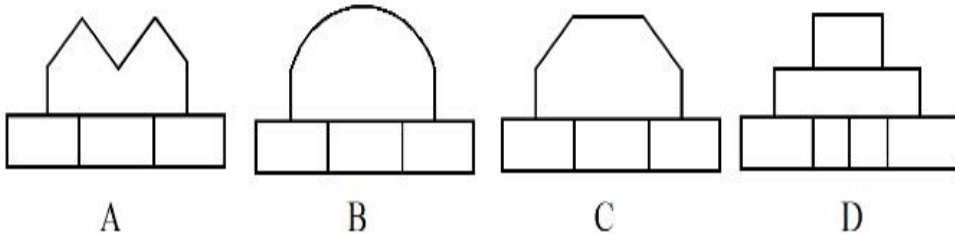
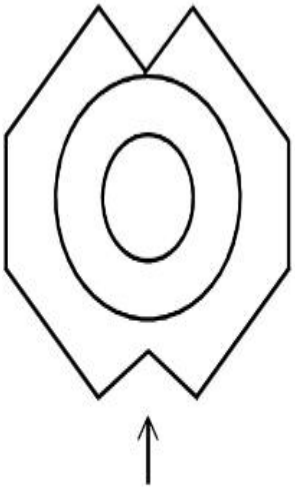
7155057936.



**Question Number : 70 Question Id : 7155052533 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057937. D

7155057938. A

7155057939. B

7155057940. C

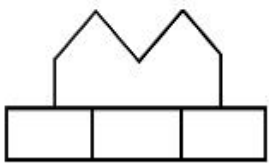
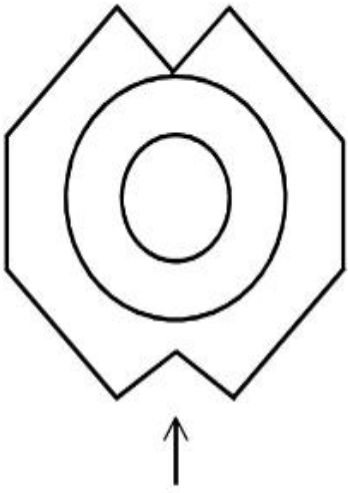
Question Number : 70 Question Id : 7155052533 Question Type : MCQ Option Shuffling : Yes Is

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

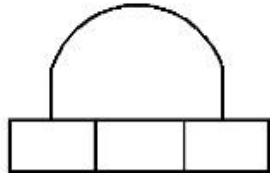
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

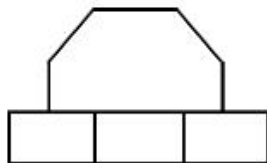
ପ୍ଲାନ ଦସ୍ତୁର ସଠିକ୍ ସମ୍ମୁଖ ଭୂୟ ତୀର ଦିଗରୁ ହେବ:



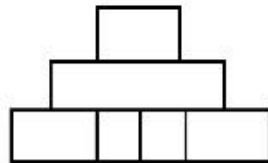
A



B



C



D

Options :

7155057937. D

7155057938. A

7155057939. B

7155057940. C

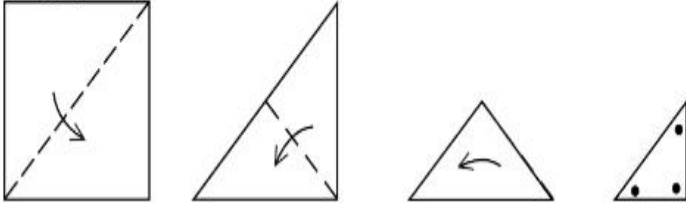
Question Number : 71 Question Id : 7155052534 Question Type : MCQ Option Shuffling : Yes Is

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

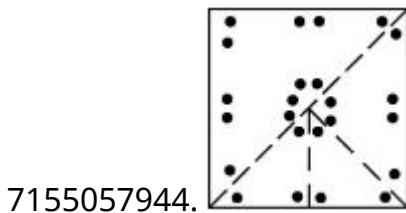
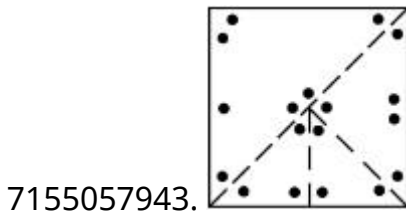
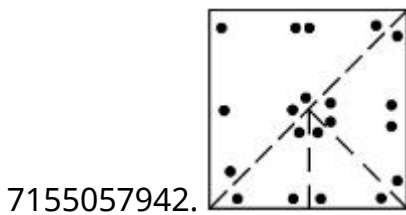
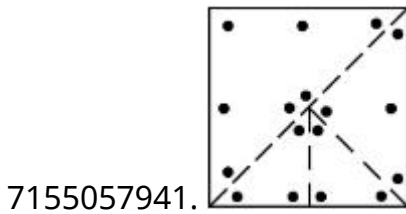
Instruction Time : 0

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 :



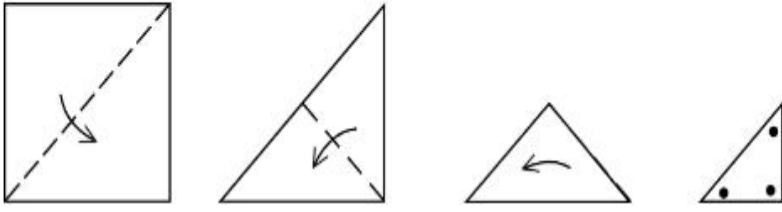
Question Number : 71 Question Id : 7155052534 Question Type : MCQ Option Shuffling : Yes Is

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

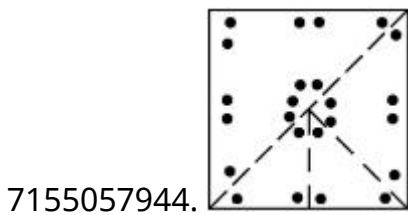
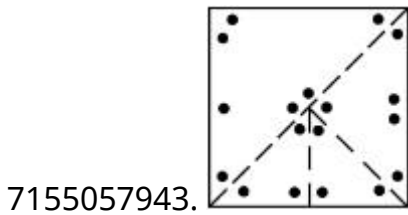
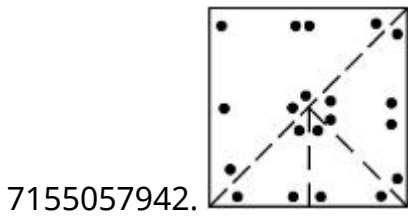
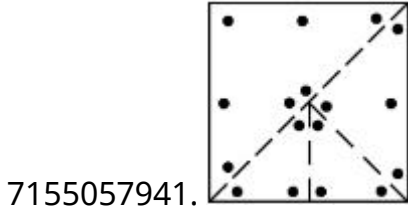
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ପେପରକୁ ଫୋଲ୍ଡ କରାଗଲା ଦିଆଯାଇଥିବା କ୍ରମରେ ଏବଂ କଟାଗଲା। ଅନୁସୂଚିତ କାଳେ କେଉଁ ପ୍ୟାଟର୍ନ ମିଳିବ:



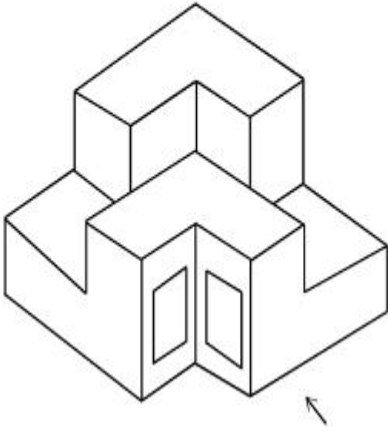
Options :



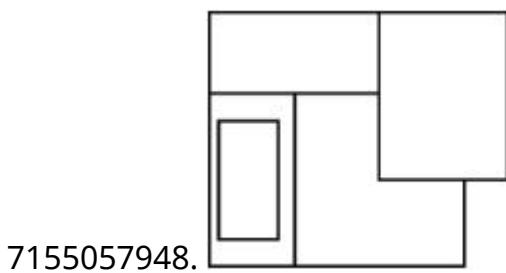
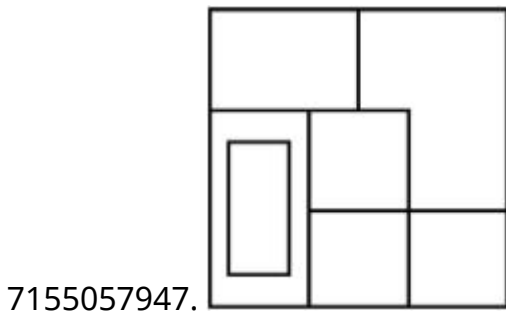
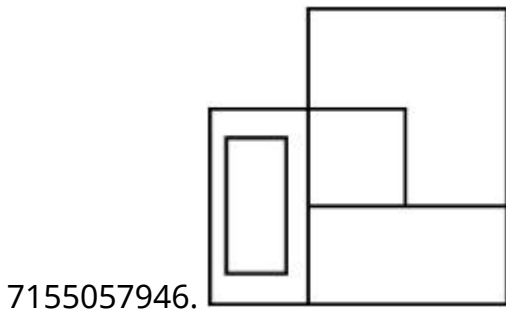
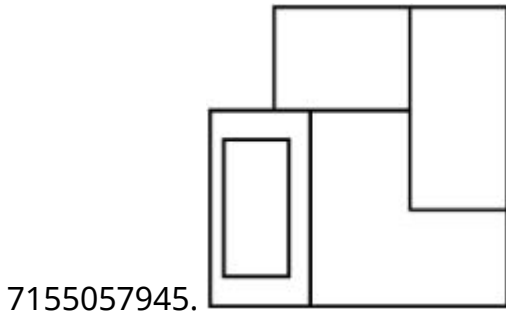
Question Number : 72 Question Id : 7155052535 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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 :

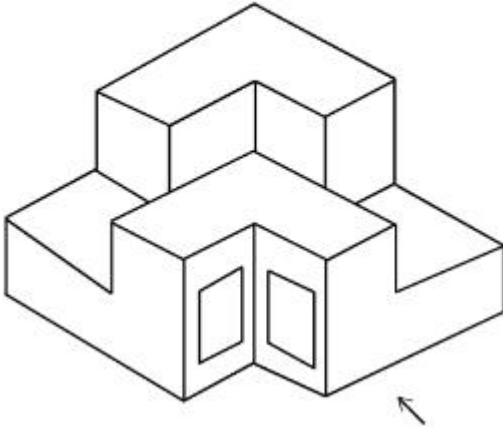




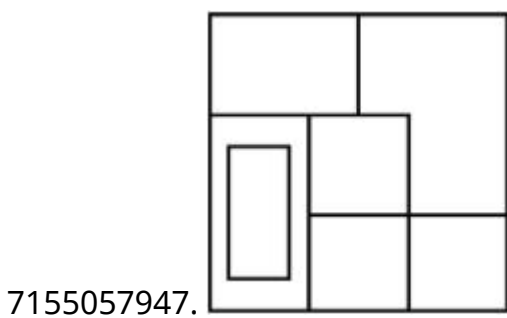
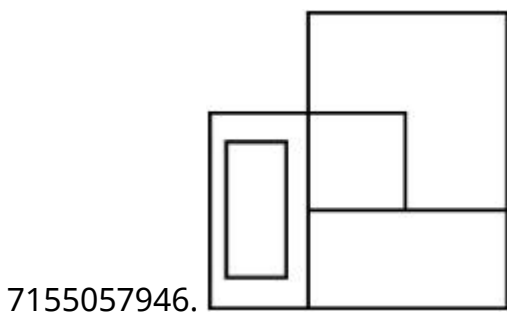
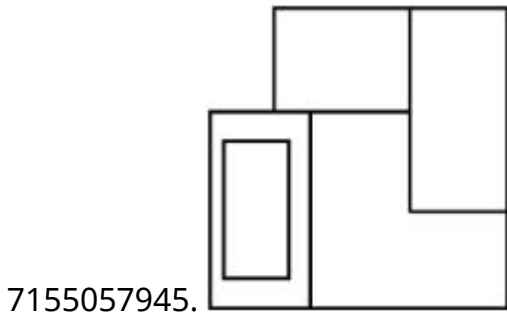
Question Number : 72 Question Id : 7155052535 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

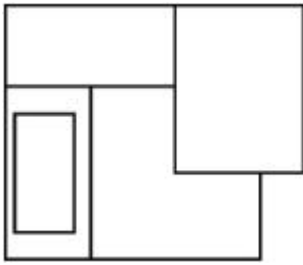
ପ୍ରଶ୍ନଚିତ୍ରରେ 3-D ଭୂୟ ଦିଆଯାଇଛି। ତୀର ଦିଗରୁ ଦେଖିଲେ ଯଦିକ ଭୂୟ ହେବ:



Options :



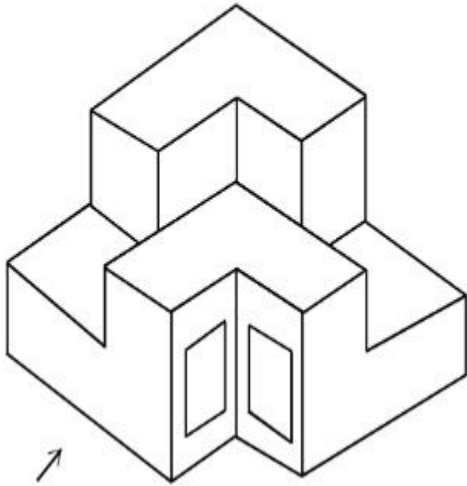
7155057948.



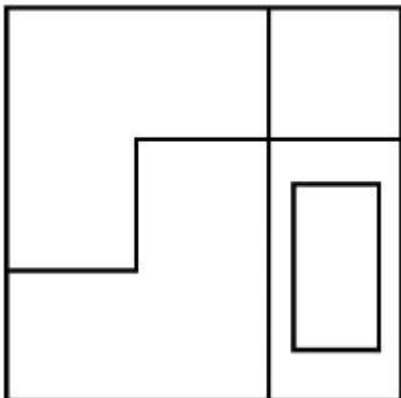
**Question Number : 73 Question Id : 7155052536 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**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.

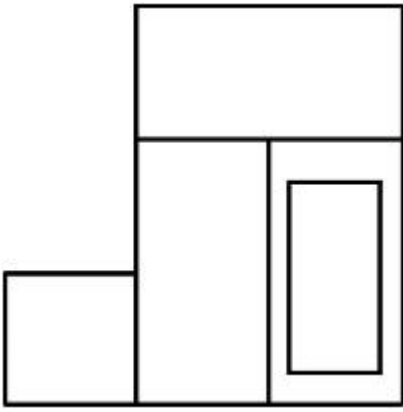


**Options :**

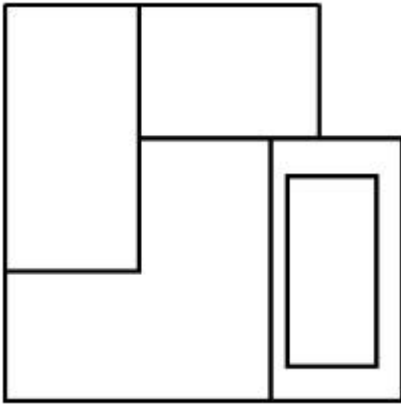


7155057949.

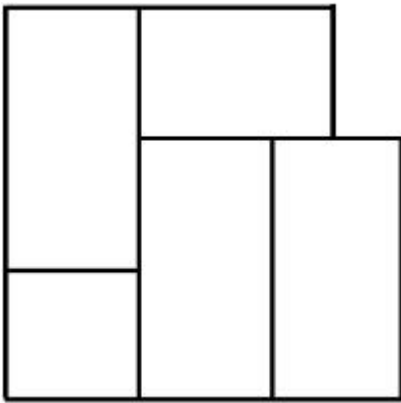
7155057950.



7155057951.



7155057952.



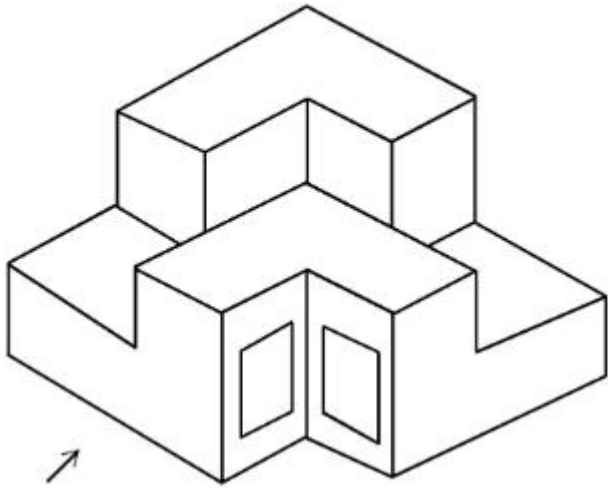
**Question Number : 73 Question Id : 7155052536 Question Type : MCQ Option Shuffling : Yes Is**

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

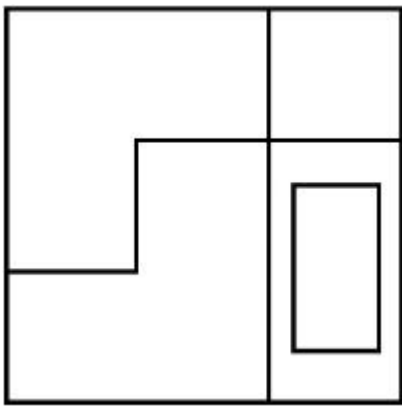
**Instruction Time : 0**

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

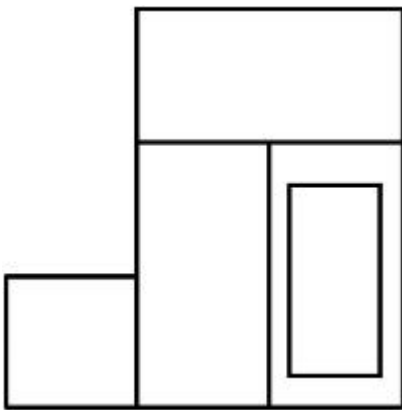
ପ୍ରଶ୍ନଚିତ୍ରରେ 3-D ଭୂମି ଦିଆଯାଇଛି। ତୀର ଦିଗରୁ ଦେଖିଲେ ଯଦିକ ଭୂମି ହେବ:



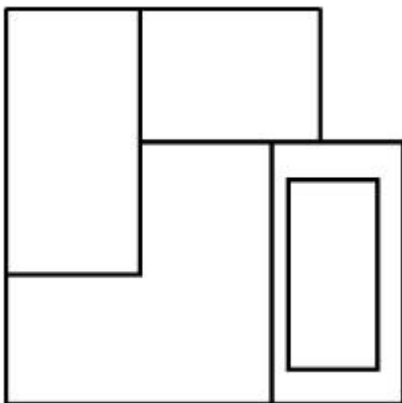
Options :



7155057949.

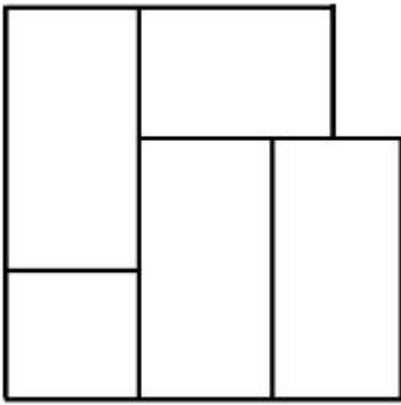


7155057950.



7155057951.

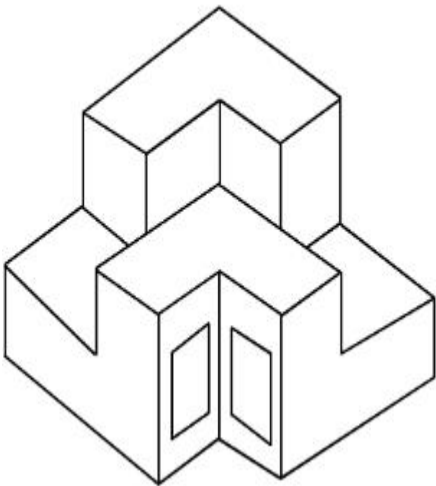
7155057952.



**Question Number : 74 Question Id : 7155052537 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

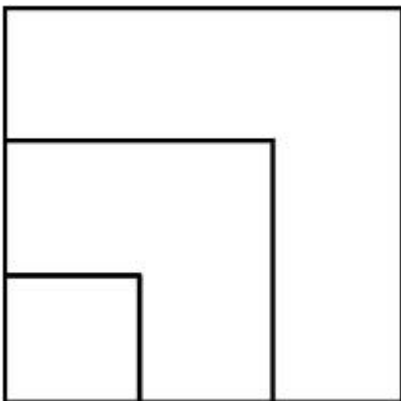
**Correct Marks : 4 Wrong Marks : 1**

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

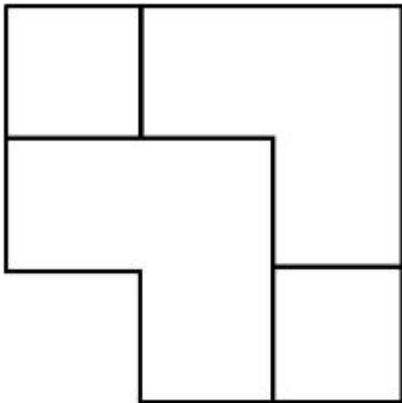
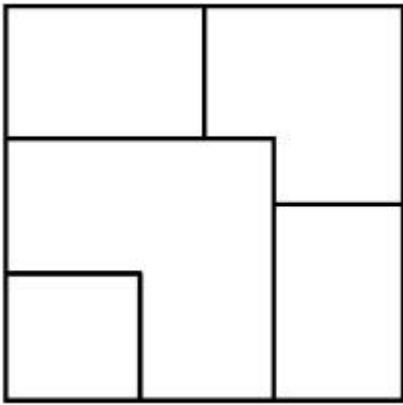


**Options :**

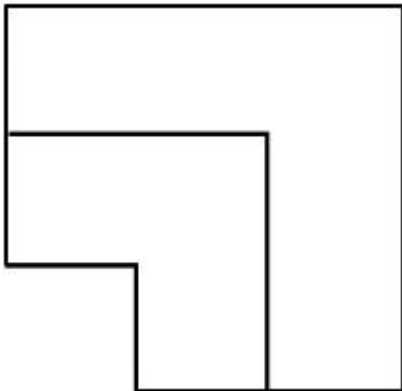
7155057953.



7155057954.



7155057955.

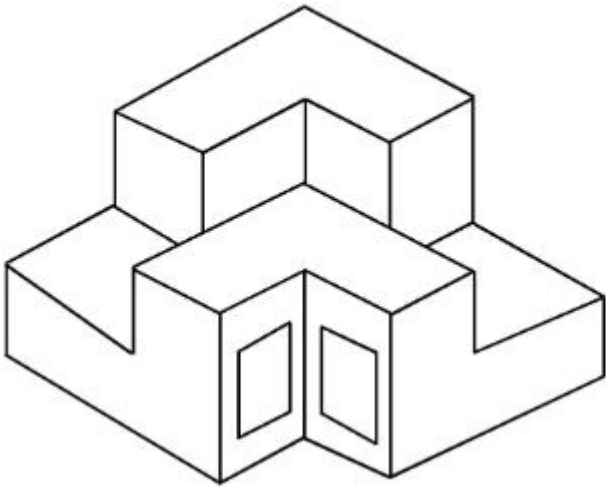


7155057956.

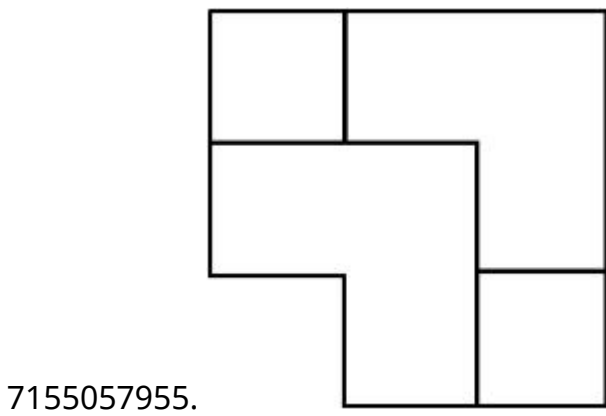
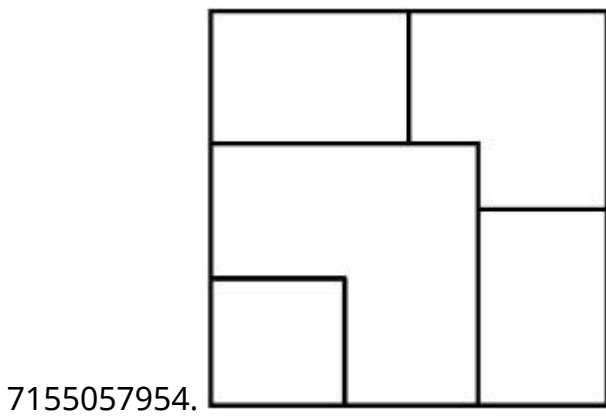
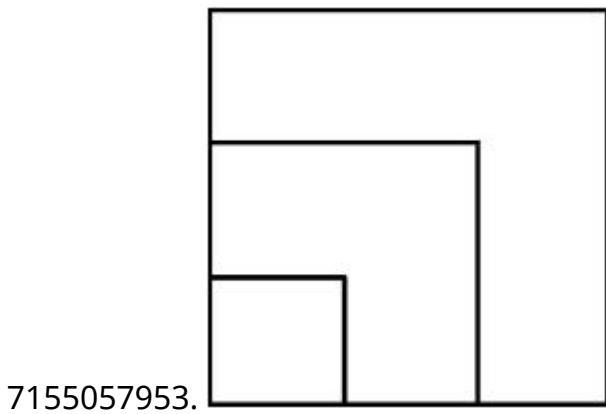
**Question Number : 74 Question Id : 7155052537 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

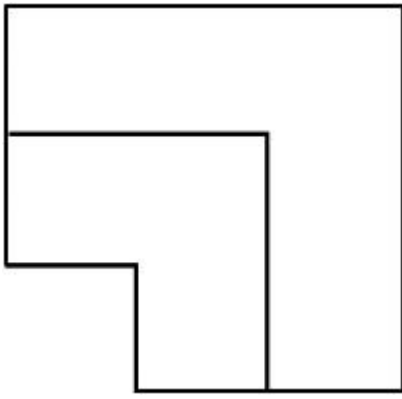
**Correct Marks : 4 Wrong Marks : 1**

ଦିଆଯାଇଥିବା ବିକଳ୍ପ ମଧ୍ୟରୁ 3-D ବସ୍ତୁର ଉପଯୁକ୍ତ ଚପ ଡ୍ରାୟ ହେବ:



Options :



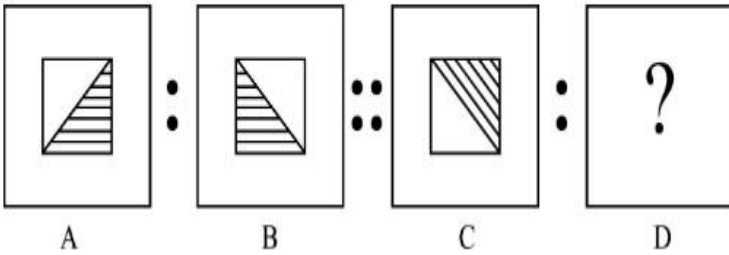


7155057956.

**Question Number : 75 Question Id : 7155052538 Question Type : MCQ Option Shuffling : Yes 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.



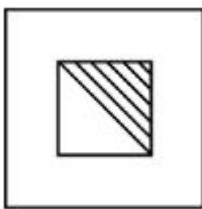
A

B

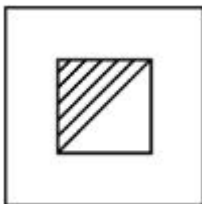
C

D

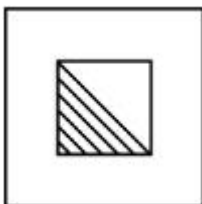
**Options :**



7155057957.



7155057958.



7155057959.



7155057960.



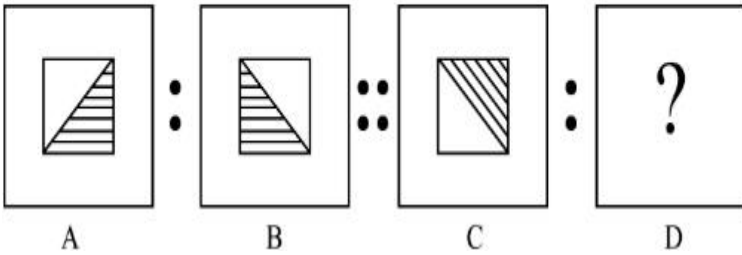
Question Number : 75 Question Id : 7155052538 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ପ୍ରଶ୍ନଚିତ୍ରରେ ଦିଆଯାଇଥିବା ଚିତ୍ରର ପ୍ରଥମ ସହ ଏକ ନିର୍ଦ୍ଦିଷ୍ଟ ସମ୍ପର୍କ ରହିଛି। ସେହିପ୍ରକାର ସମ୍ପର୍କ ଥିବା ଦ୍ୱିତୀୟ ପ୍ରଶ୍ନଚିତ୍ର ସହ ଉତ୍ତର ଚିତ୍ରଟି ଚିହ୍ନଟା:

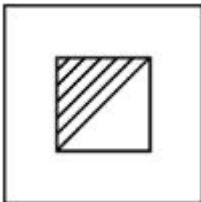


Options :

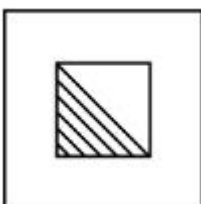
7155057957.



7155057958.



7155057959.



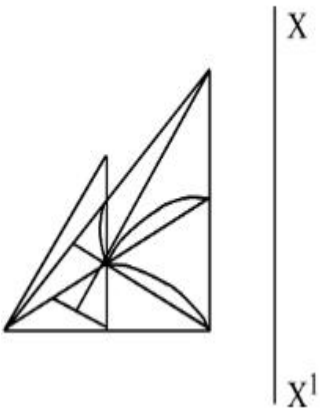
7155057960.



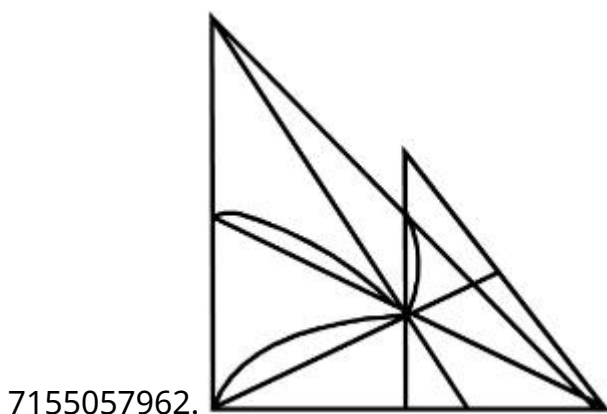
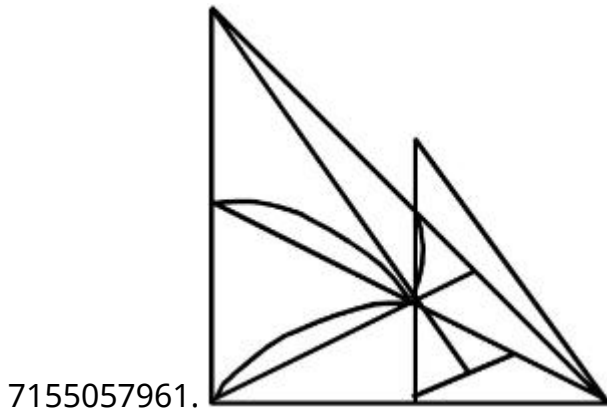
**Question Number : 76 Question Id : 7155052539 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

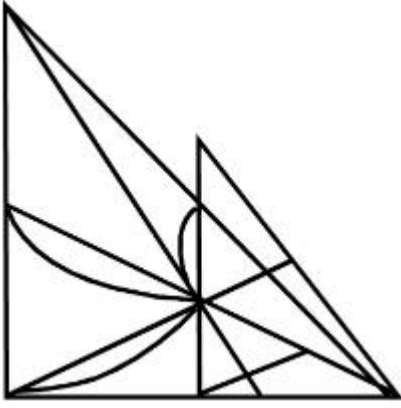
Identify the true mirror image of the figure amongst the answer figures with respect to X-X



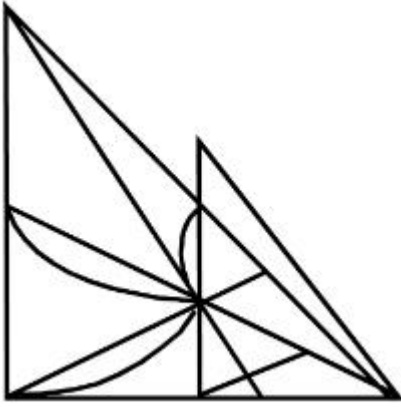
**Options :**



7155057963.



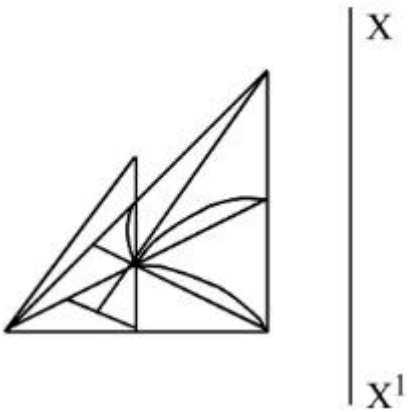
7155057964.



**Question Number : 76 Question Id : 7155052539 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

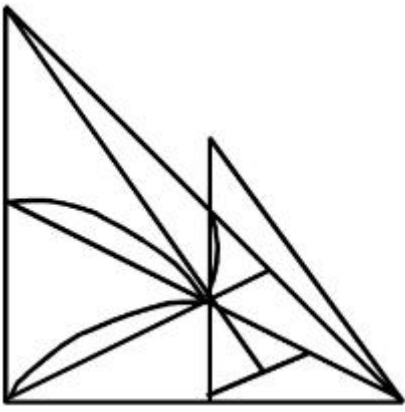
**Correct Marks : 4 Wrong Marks : 1**

X-X ସାପେକ୍ଷରେ ସଠିକ ଦର୍ପଣା ପ୍ରତିବିମ୍ବ ହେଲା:

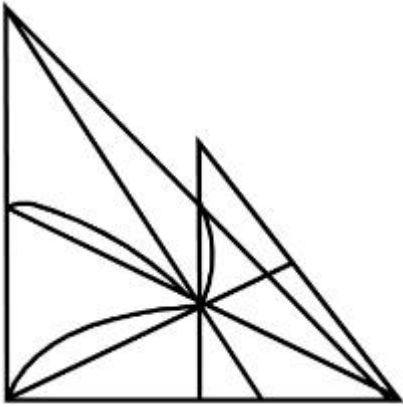


**Options :**

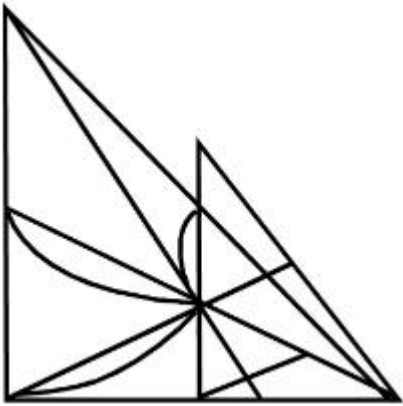
7155057961.



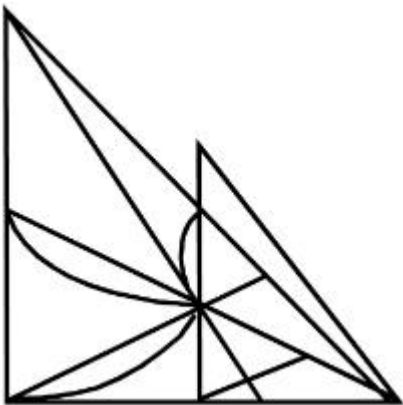
7155057962.



7155057963.



7155057964.

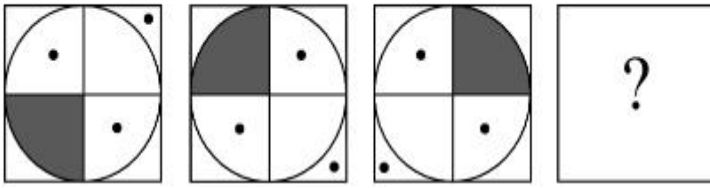


Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

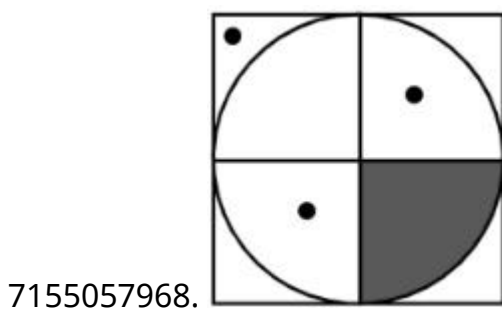
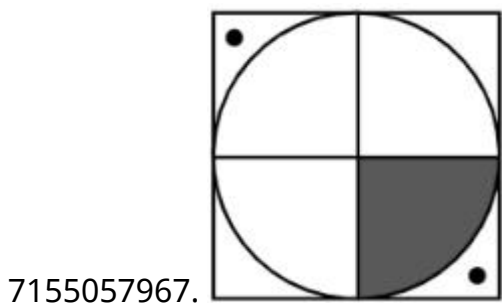
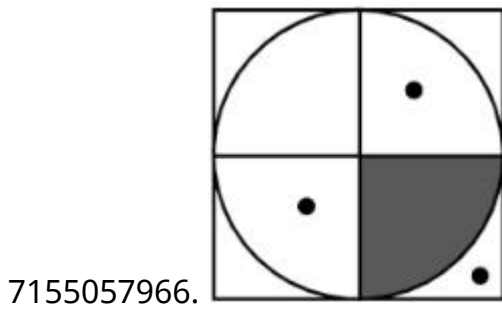
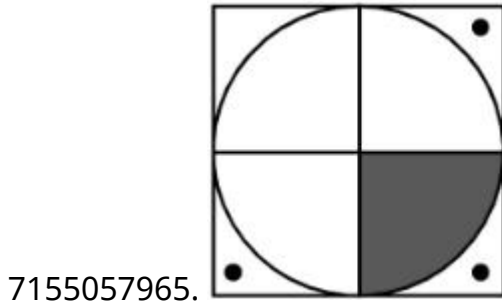
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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



Options :



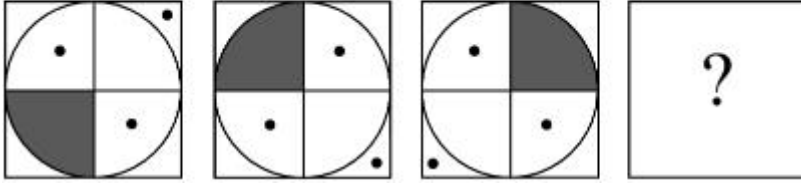
Question Number : 77 Question Id : 7155052540 Question Type : MCQ Option Shuffling : Yes Is

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

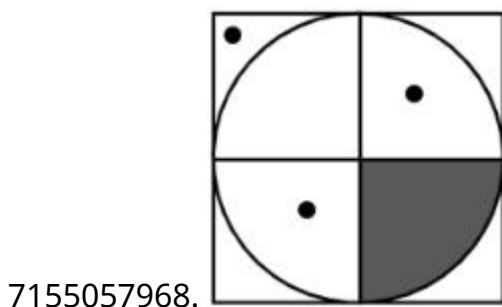
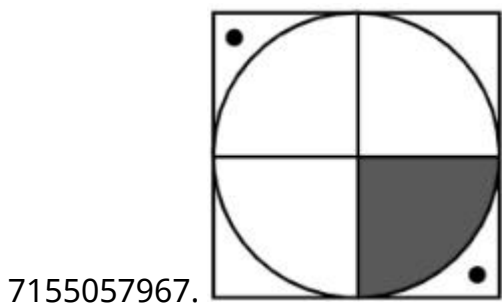
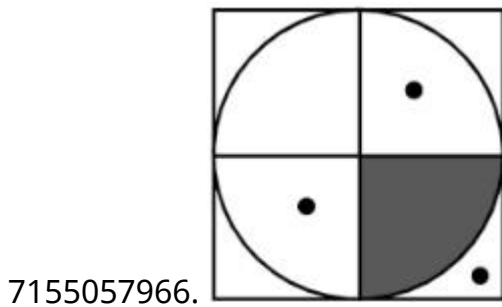
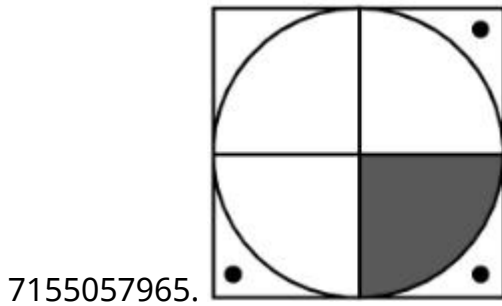
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ସିରିଜକୁ ସଂପୂର୍ଣ୍ଣ କରୁଥିବା ଉତ୍ତର ଚିତ୍ରଟି ହେଲା:



Options :



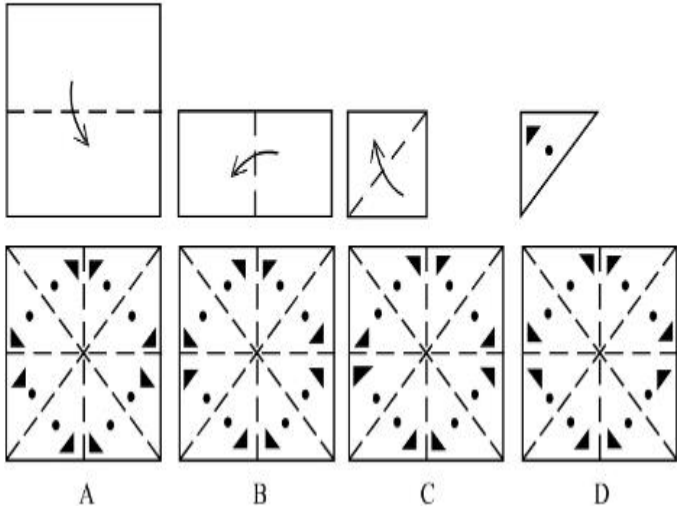
Question Number : 78 Question Id : 7155052541 Question Type : MCQ Option Shuffling : Yes Is

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 :

7155057969. B

7155057970. A

7155057971. D

7155057972. C

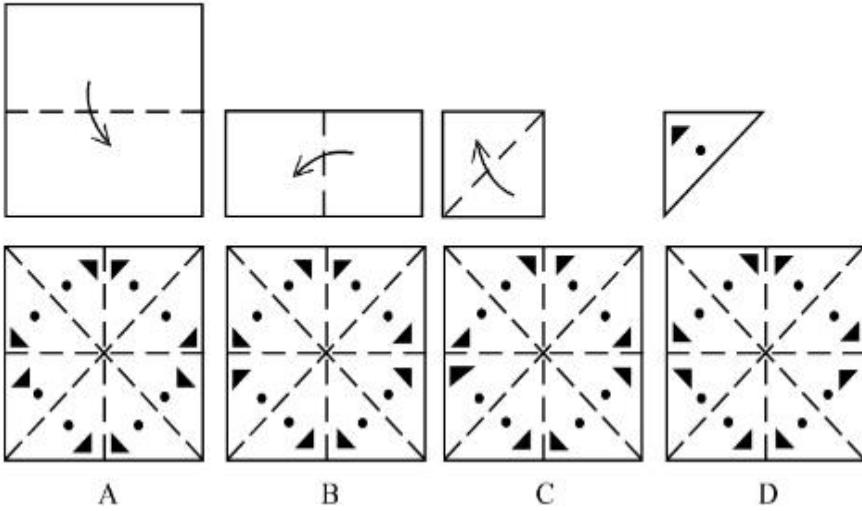
Question Number : 78 Question Id : 7155052541 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ପେପରକୁ ଫୋଲ୍ଡ କରାଗଲା ଦିଆଯାଇଥିବା କ୍ରମରେ ଏବଂ କଟାଗଲା। ଅନୁସୂଚିତ କାଳେ କେଉଁ ପ୍ୟାଟର୍ନ ମିଳିବ:



**Options :**

7155057969. B

7155057970. A

7155057971. D

7155057972. C

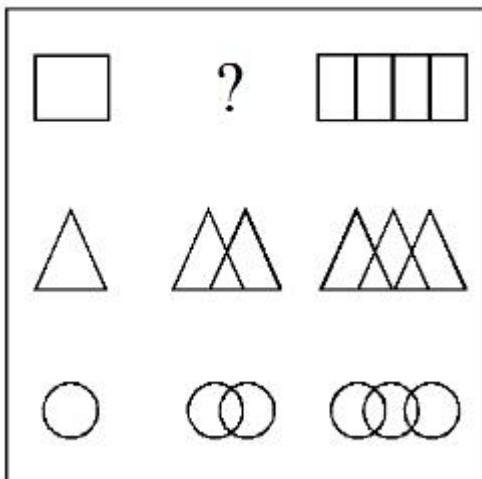
**Question Number : 79 Question Id : 7155052542 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

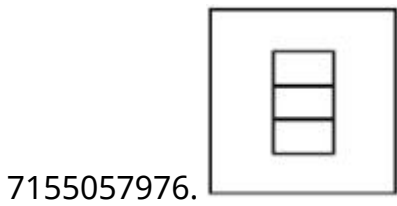
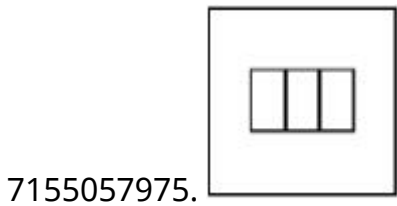
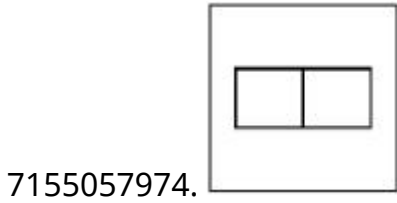
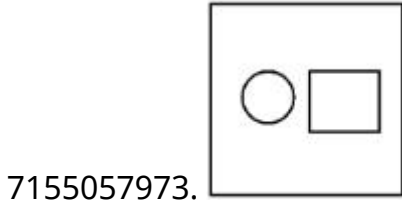
**Correct Marks : 4 Wrong Marks : 1**

In the figure mentioned below find the missing series:-





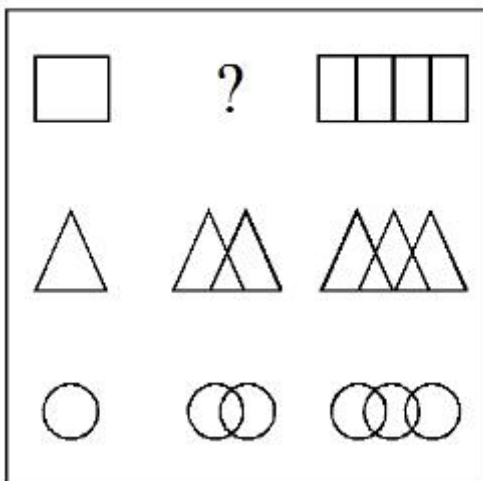
Options :



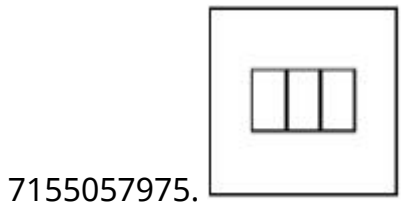
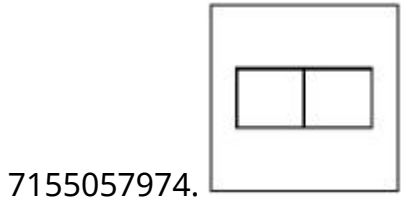
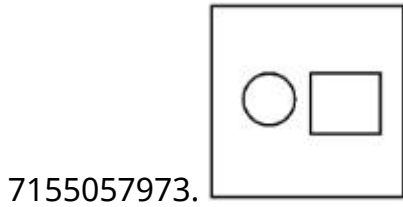
Question Number : 79 Question Id : 7155052542 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ଦିଆଯାଇଥିବା ଚିତ୍ରରୁ ମିଶ୍ର ସିରିଜଟି ହେଲା:

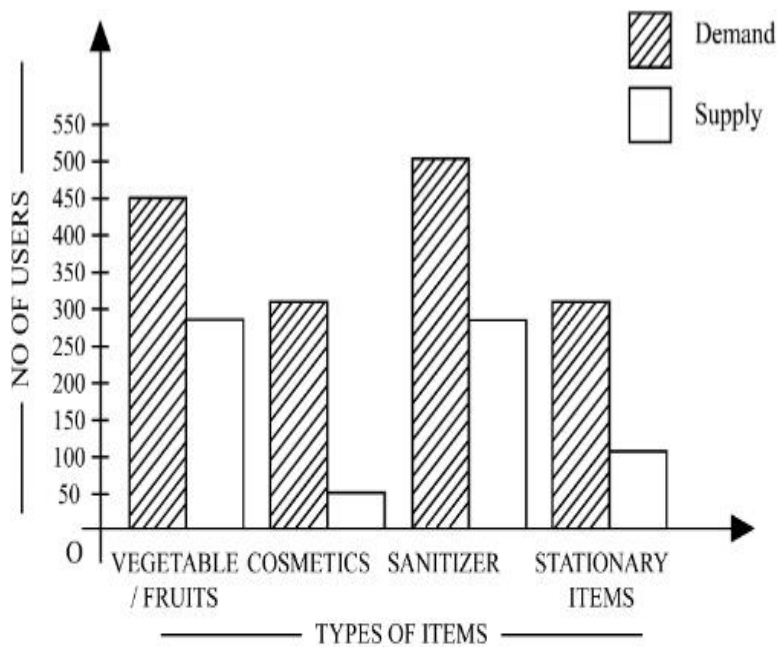


**Options :**



**Question Number : 80 Question Id : 7155052543 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057977. B and D only

7155057978. A and B only

7155057979. A and C only

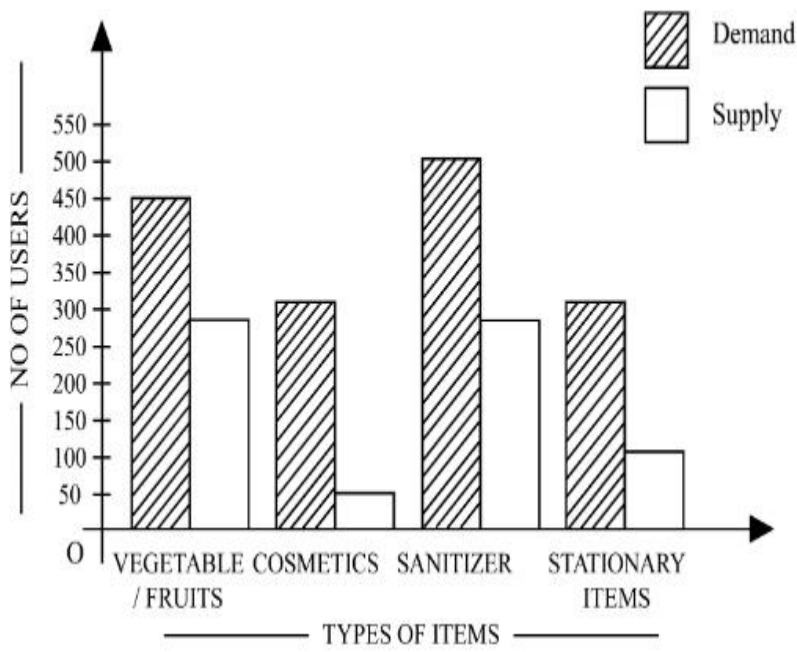
7155057980. B, C and D only

**Question Number : 80 Question Id : 7155052543 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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



ବିଭିନ୍ନ ଆଇଟମ ପାଇଁ ସପ୍ଲାଇ ତଥା ଡିମାଣ୍ଡର ବିଭିନ୍ନ ଉପଭୋକ୍ତାଙ୍କ ଚିତ୍ର ଦିଆଯାଇଛି। ସେଗୁଡ଼ିକ ମଧ୍ୟରୁ କେଉଁଟି ସଠିକ?

- A. ସାନିଟାଇଜର ମାତ୍ର 50% ଡିମାଣ୍ଡ ପୂରା କରୁଛି।
- B. କସମେଟିକର ସପ୍ଲାଇ ସବୁଠୁ କମ ଅଟେ।
- C. ସବୁ ମଧ୍ୟରୁ ଦୁଇ ଆଇଟମର ଡିମାଣ୍ଡ ଏକ ସମାନ ମାତ୍ର ସପ୍ଲାଇ ଭିନ୍ନ।
- D. ସବୁ ମଧ୍ୟରୁ ଦୁଇ ଆଇଟମର ଡିମାଣ୍ଡ ସମାନ ତଥା ଡିମାଣ୍ଡ ମଧ୍ୟ ସମାନ।

ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳଗୁଡ଼ିକ ମଧ୍ୟରୁ ଉପଯୁକ୍ତ ଉତ୍ତର ବାଛିନ୍ତୁ:

**Options :**

7155057977. କେବଳ B ଏବଂ D

7155057978. କେବଳ A ଏବଂ B

7155057979. କେବଳ A ଏବଂ C

7155057980. କେବଳ B, C ଏବଂ D

## Planning

**Section Id :**

715505158

**Section Number :**

4

<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	25
<b>Number of Questions to be attempted :</b>	25
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	715505158
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

**Question Number : 81 Question Id : 7155052544 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057981. Poverty

7155057982. Abundance

7155057983. Adequacy

7155057984. Luxury

**Question Number : 81 Question Id : 7155052544 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଯଦି ଜଣେ ବ୍ୟକ୍ତି ସମାନ ସ୍ଥାନ ତଥା ସମୟରେ ଅନ୍ୟମାନଙ୍କ ତୁଳନାରେ ସର୍ବନିମ୍ନ ଜୀବନସ୍ତର ବି ଭୋଗିବା ପାଇଁ ଅସମର୍ଥ ଏହାକୁ

କୁହାଯାଏ:

**Options :**

7155057981. ଗରିବୀ

7155057982. ସମ୍ପର୍କିତା

7155057983. ପ୍ରକାସ୍ତ

7155057984. ବିଳାସତା

**Question Number : 82 Question Id : 7155052545 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057985. Court

7155057986. Citadel on a High Land

7155057987. Open Air Theatre

7155057988. Great Bath

**Question Number : 82 Question Id : 7155052545 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

ଗ୍ରୀଷ୍ମ ରେ ଏକ୍ରୋପଲିସ ହେଉଛି:

**Options :**

7155057985. କୋର୍ଟ

7155057986. ଭଜ ଭୂମି ସ୍ଥିତ ମହଲ

7155057987. ଖୋଲା ମଞ୍ଚ

7155057988. ଗାଧୁଆ ଘର

**Question Number : 83 Question Id : 7155052546 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057989. Yellow

7155057990. Green

7155057991. Purple

7155057992. Blue

**Question Number : 83 Question Id : 7155052546 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଆମୋଦ ପ୍ରୋମୋଦ ପାଇଁ ବ୍ୟବହୃତ ଲ୍ୟାଣ୍ଡକୁ ମ୍ୟାପରେ କେଉଁ କଲର କୋଡରେ ଦର୍ଶାଯାଏ:

**Options :**

7155057989. ହଳଦିଆ

7155057990. ସବୁଜ

7155057991. ବାଇଗଣି

7155057992. ନୀଳ

**Question Number : 84 Question Id : 7155052547 Question Type : MCQ Option Shuffling : Yes 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 :**

7155057993. Both Statement **I** and Statement **II** are true

7155057994. Both Statement **I** and Statement **II** are false

7155057995. Statement **I** is true but Statement **II** is false

7155057996. Statement **I** is false but Statement **II** is true

**Question Number : 84 Question Id : 7155052547 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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



**କଥନ I :** ଦିଲ୍ଲୀ ସହର ପ୍ଲାନ ରେଡିଆଲ ଫର୍ମ ବିଶିଷ୍ଟ

**କଥନ II :** ଦିଲ୍ଲୀ ସହର ପ୍ଲାନ ଗ୍ରୀଡ ଆଇରନ ଫର୍ମ ବିଶିଷ୍ଟ

ଉପରୋକ୍ତ କଥନ ଗୁଡ଼ିକୁ ଧ୍ୟାନରେ ରଖି, ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ ସଠିକ୍ ଉତ୍ତର ବାଛନ୍ତୁ

**Options :**

7155057993. ଉଭୟ କଥନ I ଏବଂ କଥନ II ସଠିକ୍ ଅଟେ

7155057994. ଉଭୟ କଥନ I ଏବଂ କଥନ II ଭୁଲ ଅଟେ

7155057995. କଥନ I ସଠିକ୍ କିନ୍ତୁ କଥନ II ଭୁଲ ଅଟେ

7155057996. କଥନ I ଭୁଲ ଅଟେ କିନ୍ତୁ କଥନ II ସଠିକ୍ ଅଟେ

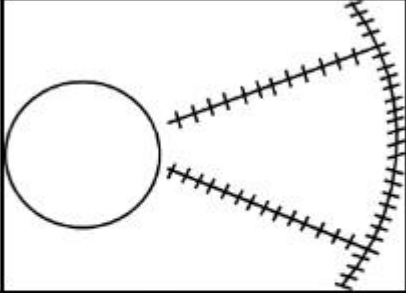
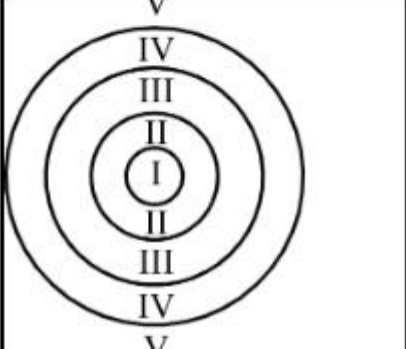
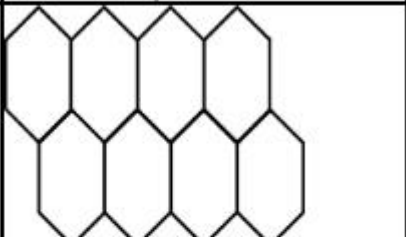
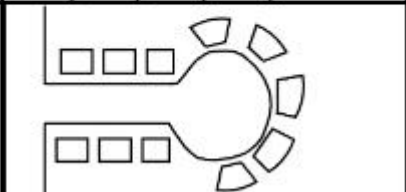
**Question Number : 85 Question Id : 7155052548 Question Type : MCQ Option Shuffling : Yes Is**

**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 :**

7155057997. A-II, B-III, C-I, D-IV

7155057998. A-III, B-I, C-II, D-IV

7155057999. A-IV, B-III, C-I, D-II

7155058000. A-II, B-III, C-IV, D-I

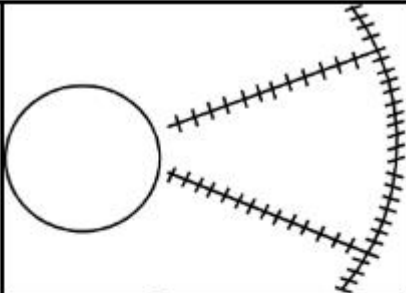
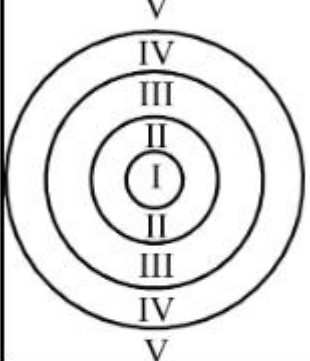
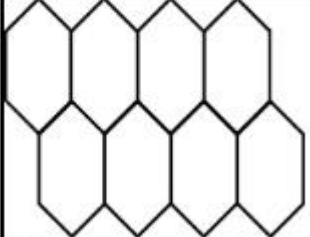
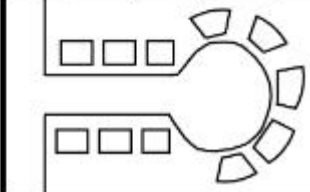
Question Number : 85 Question Id : 7155052548 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା I । ସହିତ ତାଲିକା II କୁ ମିଳାଅ

ତାଲିକା I		ତାଲିକା II	
A.		I.	କ୍ରିଷ୍ଣଲରଙ୍କ କନସେପ୍ଟ
B.		II.	ଗାର୍ଡେନ ସିଟି କନସେପ୍ଟ
C.		III.	ଆମେଷ୍ଟ ବରଗିସ
D.		IV.	ରାଡ଼ବର୍ଣ୍ଣ କନସେପ୍ଟ

ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳଗୁଡ଼ିକ ମଧ୍ୟରୁ ସଠିକ୍ ଉତ୍ତର ବାଛନ୍ତୁ

Options :

7155057997. A-II, B-III, C-I, D-IV

7155057998. A-III, B-I, C-II, D-IV

7155057999. A-IV, B-III, C-I, D-II

7155058000. A-II, B-III, C-IV, D-I

Question Number : 86 Question Id : 7155052549 Question Type : MCQ Option Shuffling : Yes 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 :

7155058001. A-I, B-III, C-IV, D-II

7155058002. A-II, B-III, C-I, D-IV

7155058003. A-II, B-III, C-IV, D-I

7155058004. A-III, B-II, C-I, D-IV

Question Number : 86 Question Id : 7155052549 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ତାଲିକା I ସହିତ ତାଲିକା II କୁ ମିଳାଅ

ତାଲିକା I		ତାଲିକା II	
A.	ଗାଁଘର ଇନ ଦ ପାର୍କ	I.	ସର ଏବେନଜର ଦାଘାଡ଼ି
B.	ନେବରହୁଡ଼ ୟୁନିଟ	II.	ଲି-କର୍ବୁସିଅର
C.	ଗାର୍ଡେନ ସିଟି	III.	କ୍ଲିଅରେନ୍ସ ପେରୀ
D.	ସେକ୍ଟର ମଡେଲ	IV.	ହୋମ୍ସ ହୋଟେସ

ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ ସଠିକ୍ ଉତ୍ତର ବାଛନ୍ତୁ:

Options :

7155058001. A-I, B-III, C-IV, D-II

7155058002. A-II, B-III, C-I, D-IV

7155058003. A-II, B-III, C-IV, D-I

7155058004. A-III, B-II, C-I, D-IV

**Question Number : 87 Question Id : 7155052550 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058005. A-I, B-II, C-III, D-IV

7155058006. A-II, B-I, C-III, D-IV

7155058007. A-II, B-III, C-IV, D-I

7155058008. A-II, B-I, C-IV, D-III

**Question Number : 87 Question Id : 7155052550 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ତାଲିକା I		ତାଲିକା II	
A.	1ମ ପଞ୍ଚ ବର୍ଷୀୟ ଯୋଜନା	I.	1969-1974
B.	4ର୍ଥ ପଞ୍ଚ ବର୍ଷୀୟ ଯୋଜନା	II.	1951-1956
C.	8ମ ପଞ୍ଚ ବର୍ଷୀୟ ଯୋଜନା	III.	1992-1997
D.	11ତମ ପଞ୍ଚ ବର୍ଷୀୟ ଯୋଜନା	IV.	2007-2012

ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ ସଠିକ୍ ଉତ୍ତର ବାଛନ୍ତୁ:

**Options :**

7155058005. A-I, B-II, C-III, D-IV

7155058006. A-II, B-I, C-III, D-IV

7155058007. A-II, B-III, C-IV, D-I

7155058008. A-II, B-I, C-IV, D-III

**Question Number : 88 Question Id : 7155052551 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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

Match List I with List II

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

Choose the correct answer from the options given below:

**Options :**

7155058009. A-IV, B-I, C-II, D-III

7155058010. A-IV, B-II, C-I, D-III

7155058011. A-I, B-II, C-IV, D-III

7155058012. A-II, B-IV, C-I, D-III

**Question Number : 88 Question Id : 7155052551 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ତାଲିକା । ସହିତ ତାଲିକା ॥ କୁ ମିଳାଅ

ତାଲିକା I		ତାଲିକା II	
A.	ମଦୁରାୟୀ	I.	ପ୍ଲୁଟୁ ହିଲ ସିଟି
B.	ଅରୋଭିଲେ	II.	କବୟ ବନମ
C.	ଲୀଭାସା	III.	ଗ୍ରୀତ ଆଇରନ
D.	ଚଣ୍ଡିଗଡ଼	IV.	ମନ୍ତ୍ରି ମନ୍ଦିର

ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ ସଠିକ୍ ଉତ୍ତର ବାଛନ୍ତୁ:

**Options :**

7155058009. A-IV, B-I, C-II, D-III

7155058010. A-IV, B-II, C-I, D-III

7155058011. A-I, B-II, C-IV, D-III

7155058012. A-II, B-IV, C-I, D-III

**Question Number : 89 Question Id : 7155052552 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058013. Article 243

7155058014. Article 324

7155058015. Article 124

7155058016. Article 73

**Question Number : 89 Question Id : 7155052552 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

କେଉଁ ଆର୍ଟିକଲ ପଞ୍ଚାୟତି ରାଜ ସହ ଜଡ଼ିତ:

**Options :**

7155058013. ଆର୍ଟିକଲ 243

7155058014. ଆର୍ଟିକଲ 324

7155058015. ଆର୍ଟିକଲ 124

7155058016. ଆର୍ଟିକଲ 73

**Question Number : 90 Question Id : 7155052553 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058017. 2.47

7155058018. 3.47



7155058019. 4.47

7155058020. 5.47

**Question Number : 90 Question Id : 7155052553 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଏକ ହେକ୍ଟର କେତେ ଏକର ଅଟେ:

**Options :**

7155058017. 2.47

7155058018. 3.47

7155058019. 4.47

7155058020. 5.47

**Question Number : 91 Question Id : 7155052554 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058021. National Institute for Transforming India

7155058022. National Industry for Technology India

7155058023. National Industry for Transforming India

7155058024. National Industrial Technical Institute

**Question Number : 91 Question Id : 7155052554 Question Type : MCQ Option Shuffling : Yes 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 ର ପୂର୍ଣ୍ଣ ରୂପ ହେଲା:

**Options :**

7155058021. ନ୍ୟାସନାଲ ଇନଷ୍ଟିଚ୍ୟୁଟ ଅଫ ଟ୍ରାନ୍ସଫର୍ମିଙ୍ଗ ଇଣ୍ଡିଆ

7155058022. ନ୍ୟାସନାଲ ଇଣ୍ଡଷ୍ଟ୍ରି ଫର ଟେକ୍ନୋଲୋଜି ଇଣ୍ଡିଆ

7155058023. ନ୍ୟାସନାଲ ଇଣ୍ଡଷ୍ଟ୍ରି ଫର ଟ୍ରାନ୍ସଫର୍ମିଙ୍ଗ ଇଣ୍ଡିଆ

7155058024. ନ୍ୟାସନାଲ ଇଣ୍ଡଷ୍ଟ୍ରିଆଲ ଟେକନିକାଲ ଇନଷ୍ଟିଚ୍ୟୁଟ

**Question Number : 92 Question Id : 7155052555 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058025. Kevin Lynch

7155058026. Patrick Geddes

7155058027. Ebenezer Howard

7155058028. Lewis Mumford

**Question Number : 92 Question Id : 7155052555 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

କନରଦେସନ ଶିକ୍ଷା ଗଢ଼ିଥିଲେ:

**Options :**

7155058025. କେଭିନ ଲିଞ୍ଚି

7155058026. ପତ୍ରିକା ଗୋଡ଼େସ

7155058027. ଇବେନଜେର ହାୱାର୍ଡ

7155058028. ଲୁଇସ ମମଫୋର୍ଡ

**Question Number : 93 Question Id : 7155052556 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058029. Le Corbusier

7155058030. Ebenezer Howard

7155058031. Joseph Allen Stein

7155058032. Charles Correa

**Question Number : 93 Question Id : 7155052556 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଦୁର୍ଗାପୁର ସିଟିର ପ୍ଲାନର ହେଲେ:

**Options :**

7155058029. ଲି କର୍ତ୍ତୃସିଆର

7155058030. ଇବେନଜର ହାଞ୍ଚାଡ଼ି

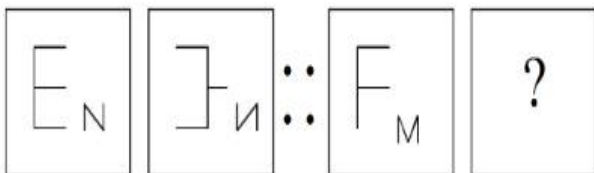
7155058031. ଜୋସେଫ ଆଲାନ ସ୍ପେଇନ

7155058032. ଚାର୍ଲସ କୋରିଆ

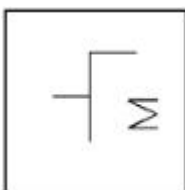
**Question Number : 94 Question Id : 7155052557 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**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?

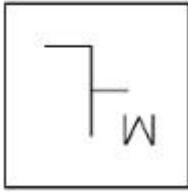
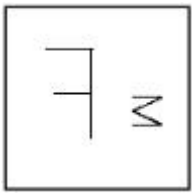


**Options :**

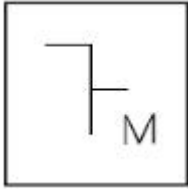


7155058033.

7155058034.



7155058035.

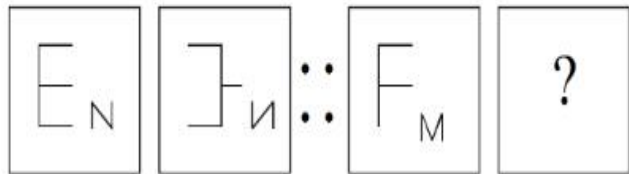


7155058036.

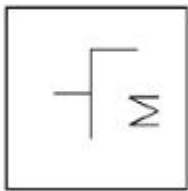
**Question Number : 94 Question Id : 7155052557 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

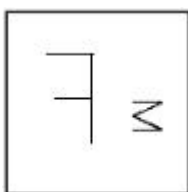
ପ୍ରଶ୍ନ ଚିତ୍ରରେ, A ଏବଂ B ମଧ୍ୟରେ ନିର୍ଦ୍ଦିଷ୍ଟ ସମ୍ପର୍କ ରହିଛି। C ଏବଂ D ମଧ୍ୟରେ ସମାନ ସମ୍ପର୍କ ପାଇଁ ଉତ୍ତର ଚିତ୍ରଟି ହେଲା:



**Options :**

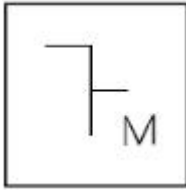


7155058033.



7155058034.

7155058035.



7155058036.

**Question Number : 95 Question Id : 7155052558 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058037. 1947

7155058038. 1961

7155058039. 1977

7155058040. 1981

**Question Number : 95 Question Id : 7155052558 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

HDFC ଗଠନ ହୋଇଥିଲା:

**Options :**

7155058037. 1947

7155058038. 1961

7155058039. 1977

7155058040. 1981

**Question Number : 96 Question Id : 7155052559 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058041. Centralisation of Powers

7155058042. Division of Powers between various levels

7155058043. Opposition

7155058044. Unwritten Constitution

**Question Number : 96 Question Id : 7155052559 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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

ଫେଡେରାଲ ଗଭର୍ଣ୍ଣମେଣ୍ଟ (ସଂଘୀୟ ସରକାର) ର ଆବଶ୍ୟକ ଗୁଣ ହେଲା:

**Options :**

7155058041. କେନ୍ଦ୍ରୀଭୂତ କ୍ଷମତା

7155058042. ବିଭିନ୍ନ ସ୍ତରରେ କ୍ଷମତା ର ବଣ୍ଟନ

7155058043. ବିରୋଧ

7155058044. ଅଲେଖା ସମ୍ବିଧାନ

**Question Number : 97 Question Id : 7155052560 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058045. ICICI

7155058046. State Bank of India

7155058047. Indian Bank

7155058048. Canara Bank

**Question Number : 97 Question Id : 7155052560 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0**

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

କେଉଁଟି ସରକାରୀ ବ୍ୟାଙ୍କ ନୁହେଁ?

**Options :**

7155058045. ICICI

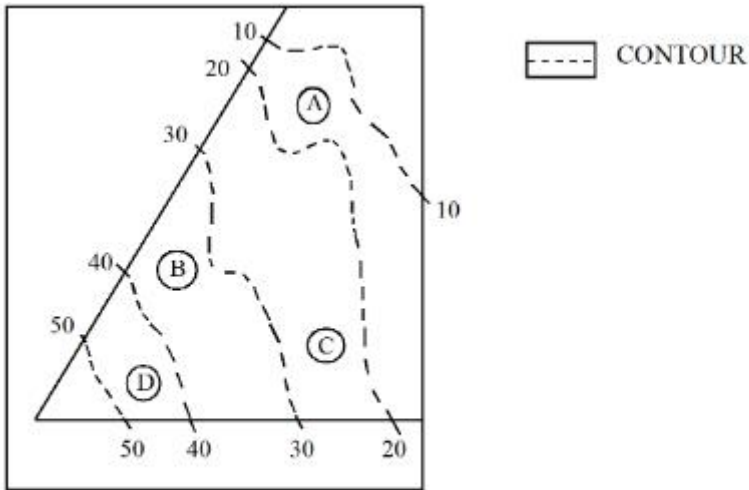
7155058046. ଷ୍ଟେଟ୍ ବ୍ୟାଙ୍କ ଓଫ ଇଣ୍ଡିଆ

7155058047. ଇଣ୍ଡିଆନ ବ୍ୟାଙ୍କ



Question Number : 98 Question Id : 7155052561 Question Type : MCQ Option Shuffling : Yes 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 :

7155058049. 30-40

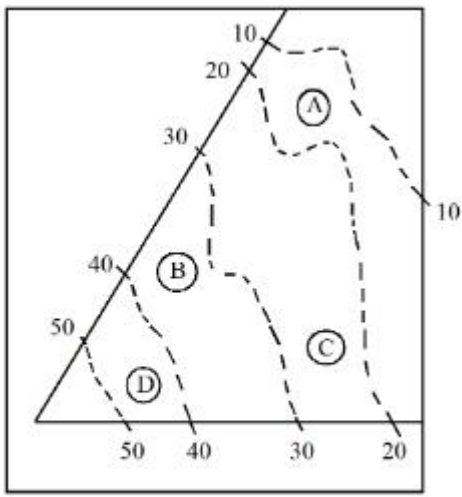
7155058050. 40-50

7155058051. 10-20

7155058052. 20-30

Question Number : 98 Question Id : 7155052561 Question Type : MCQ Option Shuffling : Yes 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

ଚିତ୍ରରେ 'D' ର ଛାଡ଼ି ହେଲ:

**Options :**

7155058049. 30-40

7155058050. 40-50

7155058051. 10-20

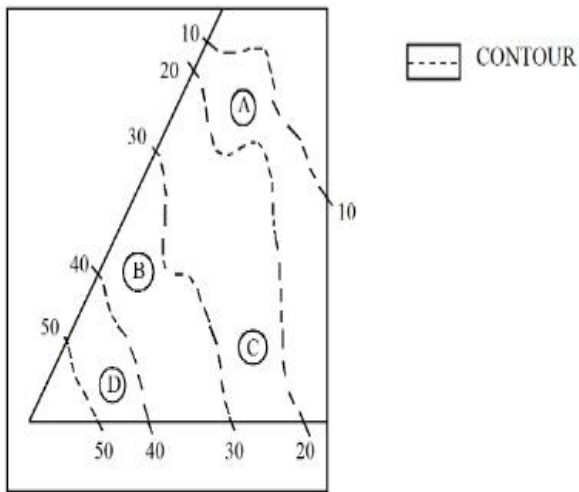
7155058052. 20-30

**Question Number : 99 Question Id : 7155052562 Question Type : MCQ Option Shuffling : Yes 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 :**

7155058053. Both Statement **I** and Statement **II** are true

7155058054. Both Statement **I** and Statement **II** are false

7155058055. Statement **I** is true but Statement **II** is false

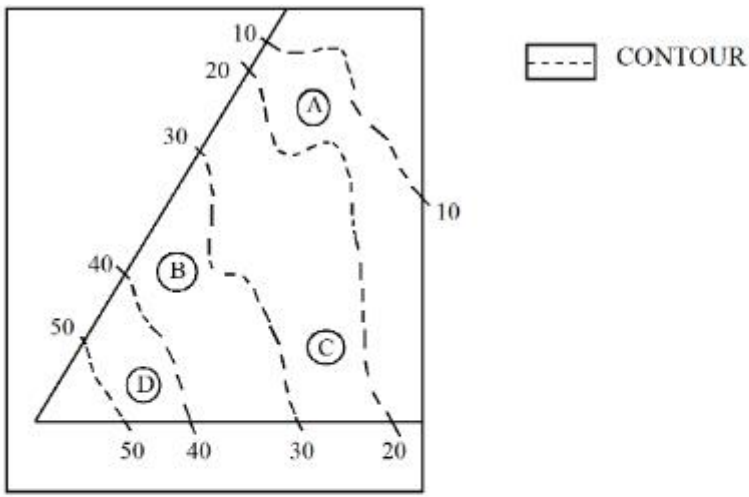
7155058056. Statement **I** is false but Statement **II** is true

**Question Number : 99 Question Id : 7155052562 Question Type : MCQ Option Shuffling : Yes Is**

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

**Instruction Time : 0**

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



କଥନ I: ଚିତ୍ରରେ 'B' ର ସ୍ଥିତି 'D' ଠାରୁ ଉଚ୍ଚରେ

କଥନ II: ଚିତ୍ରରେ 'A' ର ସ୍ଥିତି 'C' ଠାରୁ ତଳେ

ଉପରୋକ୍ତ କଥନ ଗୁଡ଼ିକୁ ଧ୍ୟାନରେ ରଖି, ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ ସଠିକ୍ ଉତ୍ତର ବାଛନ୍ତୁ:

**Options :**

7155058053. ଉଭୟ କଥନ I ଏବଂ କଥନ II ସଠିକ୍ ଅଟେ

7155058054. ଉଭୟ କଥନ I ଏବଂ କଥନ I ଭୁଲ ଅଟେ

7155058055. କଥନ I ସଠିକ୍ କିନ୍ତୁ କଥନ II ଭୁଲ ଅଟେ

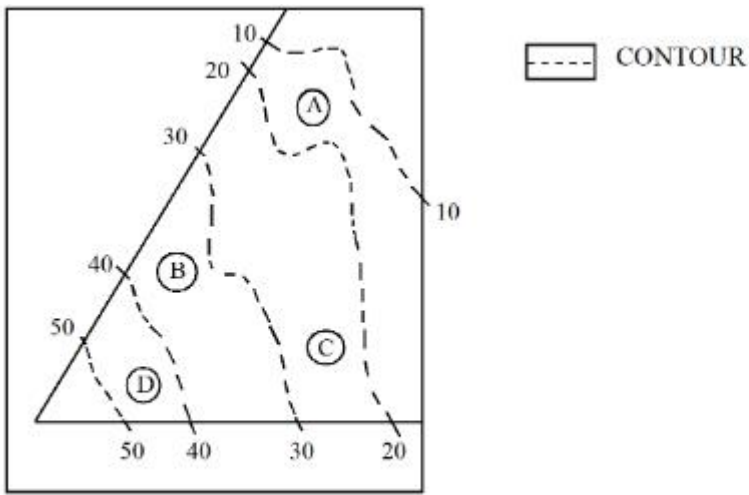
7155058056. କଥନ I ଭୁଲ ଅଟେ କିନ୍ତୁ କଥନ II ସଠିକ୍ ଅଟେ

Question Number : 100 Question Id : 7155052563 Question Type : MCQ Option Shuffling : Yes

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 :**

7155058057. 20-30

7155058058. 30-40

7155058059. 10-20

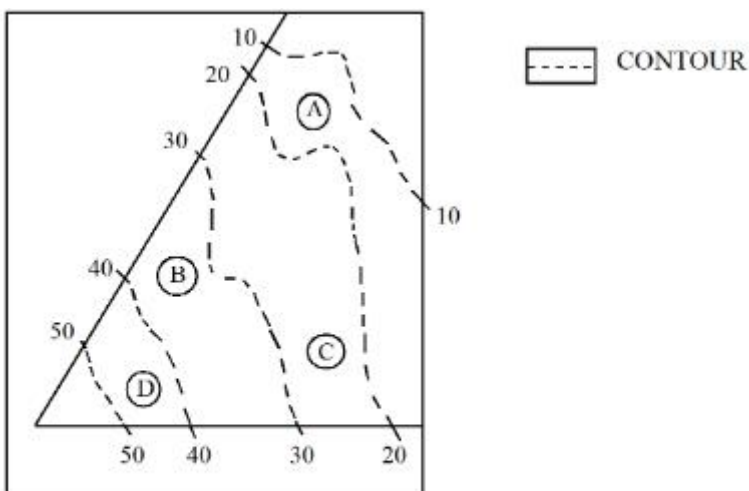
7155058060. 40-50

**Question Number : 100 Question Id : 7155052563 Question Type : MCQ Option Shuffling : Yes**

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

**Minimum Instruction Time : 0**

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



ଚିତ୍ରରେ 'A' ର ସ୍ଥିତି ହେଲା:

**Options :**

7155058057. 20-30

7155058058. 30-40

7155058059. 10-20

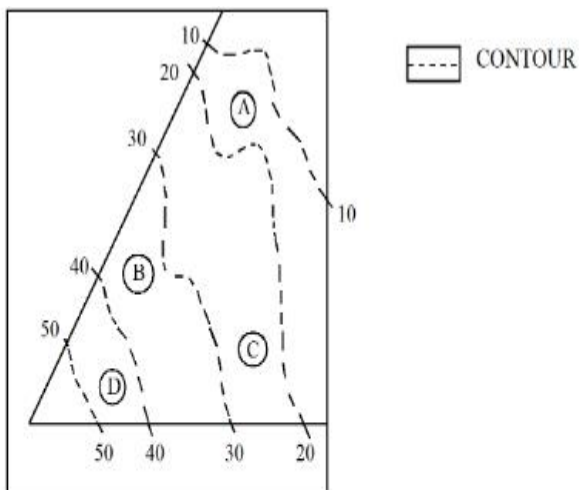
7155058060. 40-50

**Question Number : 101 Question Id : 7155052564 Question Type : MCQ Option Shuffling : Yes**

**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 :**

7155058061. Both Statement **I** and Statement **II** are true

7155058062. Both Statement **I** and Statement **II** are false

7155058063. Statement **I** is true but Statement **II** is false

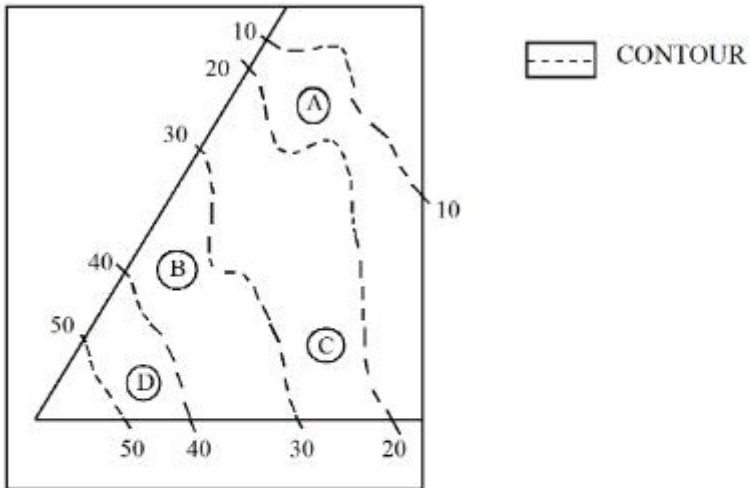
7155058064. Statement **I** is false but Statement **II** is true

Question Number : 101 Question Id : 7155052564 Question Type : MCQ Option Shuffling : Yes

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

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



କଥନ **I**: 'A' ହେଉଛି ସାଇଟର ସର୍ବନିମ୍ନ ବିନ୍ଦୁ।

କଥନ **II**: 'A' ର ଛାଡି 'B' ତୁଳନାରେ ତଳେ ରହିଛି।

ଉପରୋକ୍ତ କଥନ ଗୁଡ଼ିକୁ ଧ୍ୟାନରେ ରଖି, ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳଗୁଡ଼ିକ ମଧ୍ୟରୁ ଶଠିକ୍ ଉତ୍ତର ବାଛନ୍ତୁ:

Options :

7155058061. ଉଭୟ କଥନ **I** ଏବଂ କଥନ **II** ସଠିକ୍ ଅଟେ

7155058062. ଉଭୟ କଥନ **I** ଏବଂ କଥନ **II** ଭୁଲ ଅଟେ

7155058063. କଥନ **I** ସଠିକ୍ କିନ୍ତୁ କଥନ **II** ଭୁଲ ଅଟେ

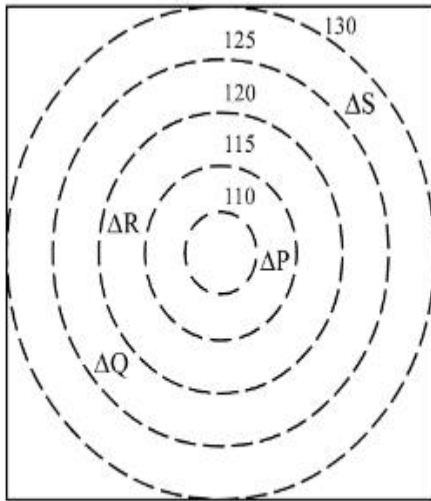
7155058064. କଥନ **I** ଭୁଲ ଅଟେ କିନ୍ତୁ କଥନ **II** ସଠିକ୍ ଅଟେ

Question Number : 102 Question Id : 7155052565 Question Type : MCQ Option Shuffling : Yes

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

**Options :**

7155058065. 2

7155058066. 3

7155058067. 1

7155058068. 4

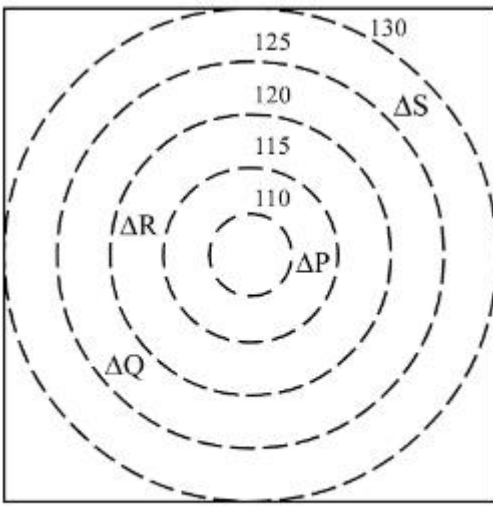
**Question Number : 102 Question Id : 7155052565 Question Type : MCQ Option Shuffling : Yes**

**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"

"P" ଏବଂ "S" ମଧ୍ୟରେ, ଦିଆଯାଇଥିବା ଚିତ୍ରରେ କେତୋଟି କଣ୍ଠର ଲେବେଲ ରହିଛି:

**Options :**

7155058065. 2

7155058066. 3

7155058067. 1

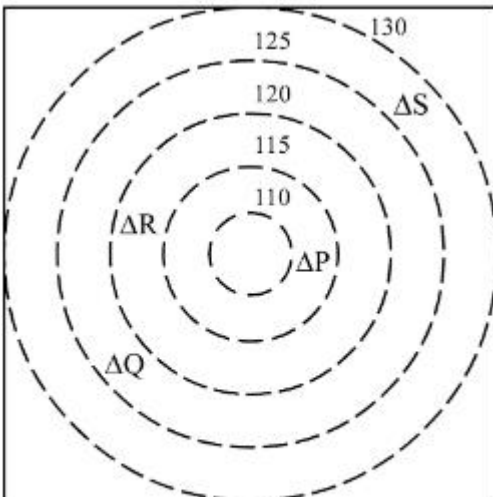
7155058068. 4

**Question Number : 103 Question Id : 7155052566 Question Type : MCQ Option Shuffling : Yes**

**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 :**

7155058069. 5

7155058070. 10

7155058071. 25

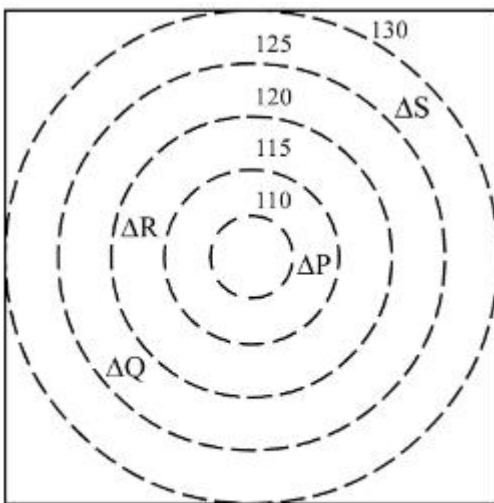
7155058072. 15


**Question Number : 103 Question Id : 7155052566 Question Type : MCQ Option Shuffling : Yes**

**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"

ଚିତ୍ରରେ, "S" ହେଉଛି 'R' ତୁଳନାରେ \_\_\_\_\_ ମିଟର ଉଚ୍ଚରେ ସ୍ଥିତ।

**Options :**

7155058069. 5

7155058070. 10

7155058071. 25

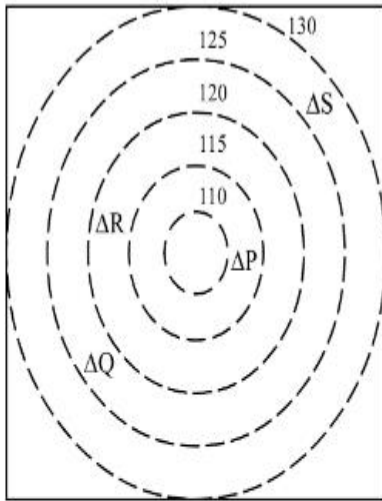
7155058072. 15

Question Number : 104 Question Id : 7155052567 Question Type : MCQ Option Shuffling : Yes

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 :**

7155058073. Both Statement **I** and Statement **II** are true

7155058074. Both Statement **I** and Statement **II** are false

7155058075. Statement **I** is true but Statement **II** is false

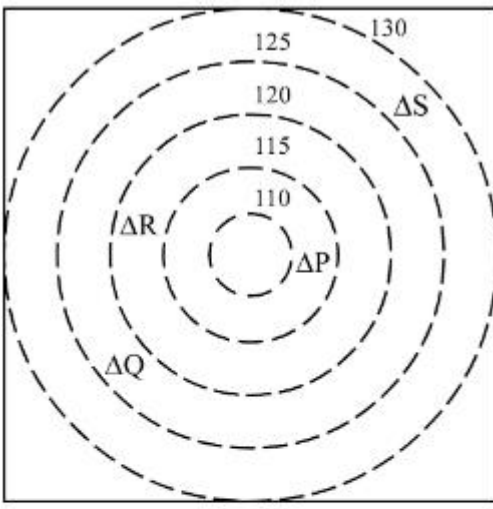
7155058076. Statement **I** is false but Statement **II** is true

Question Number : 104 Question Id : 7155052567 Question Type : MCQ Option Shuffling : Yes

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"

ଚିତ୍ର ଅନୁସାରେ:

କଥନ I : "R" ହେଉଛି "P" ଏବଂ "Q" ଠାରୁ ଉଚ୍ଚରେ ସ୍ଥିତ

କଥନ II : "S" ହେଉଛି "P", "Q" ଏବଂ "R" ଠାରୁ ଉଚ୍ଚରେ ସ୍ଥିତ

ଉପରୋକ୍ତ କଥନ ଗୁଡ଼ିକୁ ଧ୍ୟାନରେ ରଖି, ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ ସଠିକ୍ ଉତ୍ତର ଚାଛନ୍ତୁ:

**Options :**

7155058073. ଉଭୟ କଥନ I ଏବଂ କଥନ II ସଠିକ୍ ଅଟେ

7155058074. ଉଭୟ କଥନ I ଏବଂ କଥନ II ଭୁଲ ଅଟେ

7155058075. କଥନ I ସଠିକ୍ କିନ୍ତୁ କଥନ II ଭୁଲ ଅଟେ

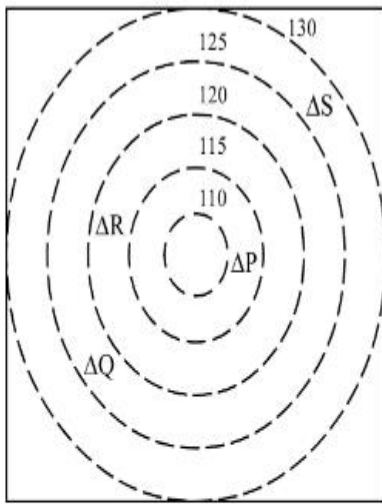
7155058076. କଥନ I ଭୁଲ ଅଟେ କିନ୍ତୁ କଥନ II ସଠିକ୍ ଅଟେ

Question Number : 105 Question Id : 7155052568 Question Type : MCQ Option Shuffling : Yes

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 :**

7155058077. Both Statement **I** and Statement **II** are true

7155058078. Both Statement **I** and Statement **II** are false

7155058079. Statement **I** is true but Statement **II** is false

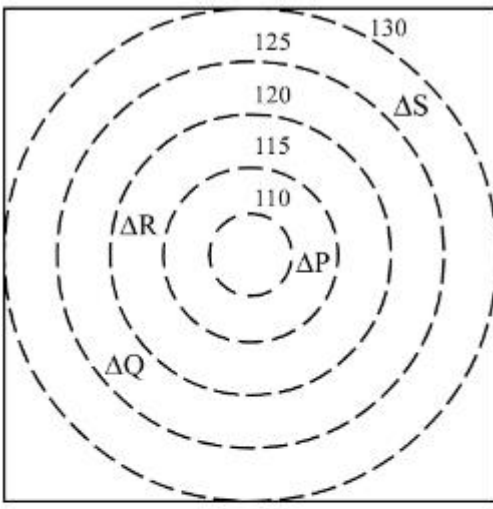
7155058080. Statement **I** is false but Statement **II** is true

**Question Number : 105 Question Id : 7155052568 Question Type : MCQ Option Shuffling : Yes**

**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"

ଚିତ୍ର ଅନୁସାରେ:

କଥନ I : "P" 110 ମିଟର ଉଚ୍ଚତାରେ ସ୍ଥିତ

କଥନ II : "Q" ହେଉଛି "S" ତୁଳନାରେ 5 M ତଳେ ସ୍ଥିତ

ଉପରୋକ୍ତ କଥନ ଗୁଡ଼ିକୁ ଧ୍ୟାନରେ ରଖି, ନିମ୍ନରେ ପ୍ରଦତ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ ସଠିକ୍ ଉତ୍ତର ଚାଛନ୍ତୁ:

**Options :**

7155058077. ଉଭୟ କଥନ I ଏବଂ କଥନ II ସଠିକ୍ ଅଟେ

7155058078. ଉଭୟ କଥନ I ଏବଂ କଥନ II ଭୁଲ ଅଟେ

7155058079. କଥନ I ସଠିକ୍ କିନ୍ତୁ କଥନ II ଭୁଲ ଅଟେ

7155058080. କଥନ I ଭୁଲ ଅଟେ କିନ୍ତୁ କଥନ II ସଠିକ୍ ଅଟେ