

National Testing Agency

Question Paper Name :	B PLANNING 12 April 2023 Shift 2 Set 103
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B PLANNING

Group Number :	1
Group Id :	36669478
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	400
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Mathematics Section A

Section Id :	366694437
Section Number :	1

Mandatory or Optional :

Mandatory

Number of Questions :

20

Number of Questions to be attempted :

20

Section Marks :

80

**Enable Mark as Answered Mark for Review and
Clear Response :**

Yes

Maximum Instruction Time :

0

Sub-Section Number :

1

Sub-Section Id :

366694437

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 1 Question Id : 3666947594 Question Type : MCQ Option Shuffling : Yes 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 $f(x) = \frac{x^3}{x-1} + \frac{x^3}{x+1}$ and $g(x) = \sqrt{x}$, then $f \circ g : [0, 2] - \{1\} \rightarrow \mathbb{R}$ is :

Options :

36669424041. one-one but not onto

36669424042. one-one and onto

36669424043. onto but not one-one

36669424044. neither one-one nor onto

Question Number : 1 Question Id : 3666947594 Question Type : MCQ Option Shuffling : Yes Is

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

यदि $f(x) = \frac{x^3}{x-1} + \frac{x^3}{x+1}$ तथा $g(x) = \sqrt{x}$ हैं, तो $f \circ g : [0, 2] - \{1\} \rightarrow \mathbb{R}$

Options :

36669424041. एकैकी है परंतु आच्छादक नहीं है

36669424042. एकैकी तथा आच्छादक है

36669424043. आच्छादक है परंतु एकैकी नहीं है

36669424044. न तो एकैकी न ही आच्छादक है

Question Number : 2 Question Id : 3666947595 Question Type : MCQ Option Shuffling : Yes 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 squares of the values of $\alpha \in \mathbb{R}$ such that the argument of $\frac{\alpha+i}{\alpha-i}$ is 60° ,
 $i = \sqrt{-1}$, is :

Options :

36669424045. 3

36669424046. $\frac{10}{3}$

36669424047. $\frac{11}{3}$

36669424048. 4

Question Number : 2 Question Id : 3666947595 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$\alpha \in \mathbb{R}$ के उन मानों, जिनके लिए $\frac{\alpha+i}{\alpha-i}$, $i = \sqrt{-1}$, के कोणांक 60° है, के वर्गों का योग है।

Options :

36669424045. 3

36669424046. $\frac{10}{3}$

36669424047. $\frac{11}{3}$

36669424048. 4

Question Number : 3 Question Id : 3666947596 Question Type : MCQ Option Shuffling : Yes 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 the system of equations

$$x + \lambda y - z = 1$$

$$x + 2y + \lambda z = 2$$

$$x + 2y + z = 2,$$

which one of the following is **NOT** correct?

Options :

36669424049. it has unique solution if λ is not a root of the equation $t^2 - 3t + 2 = 0$

36669424050. it has unique solution if λ is not a root of the equation $t^2 - t - 2 = 0$

36669424051. it has infinitely many solutions if $\lambda = 1$

36669424052. it has no solution if $\lambda = 2$

Question Number : 3 Question Id : 3666947596 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

समीकरण निकाय

$$x + \lambda y - z = 1$$

$$x + 2y + \lambda z = 2$$

$$x + 2y + z = 2$$

के लिए निम्न में से कौन सा एक सही नहीं है ?

Options :

36669424049. इसका केवल एक हल है यदि λ समीकरण $t^2 - 3t + 2 = 0$ का एक मूल नहीं है

36669424050. इसका केवल एक हल है यदि λ समीकरण $t^2 - t - 2 = 0$ का एक मूल नहीं है

36669424051. इसके अनंत हल हैं यदि $\lambda = 1$ है

36669424052. इसका कोई हल नहीं है यदि $\lambda = 2$ है

Question Number : 4 Question Id : 3666947597 Question Type : MCQ Option Shuffling : Yes 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 $a_n = (2n^2 - n + 2)(n!)$ then $\sum_{n=1}^{20} a_n$ is equal to :

Options :

36669424053. $37(20!) - 1$

36669424054. $37(20!) + 1$

36669424055. $39(21!) + 1$

36669424056. $39(21!) - 1$

Question Number : 4 Question Id : 3666947597 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि $a_n = (2n^2 - n + 2)(n!)$ है, तो $\sum_{n=1}^{20} a_n$ बराबर है

Options :

36669424053. $37(20!) - 1$

36669424054. $37(20!) + 1$

36669424055. $39(21!) + 1$

36669424056. $39(21!) - 1$

Question Number : 5 Question Id : 3666947598 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

$$\lim_{x \rightarrow 0^+} \frac{1}{\sqrt{x}} \left(\frac{1}{\sin x} - \frac{1}{x} \right)$$

Options :

36669424057. is equal to 0

36669424058. is equal to $\frac{1}{5}$

36669424059. is equal to 1

36669424060. does not exist

Question Number : 5 Question Id : 3666947598 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$$\lim_{x \rightarrow 0^+} \frac{1}{\sqrt{x}} \left(\frac{1}{\sin x} - \frac{1}{x} \right)$$

Options :

36669424057. 0 के बराबर है

36669424058. $\frac{1}{5}$ के बराबर है

36669424059. 1 के बराबर है

36669424060. का अस्तित्व नहीं है

Question Number : 6 Question Id : 3666947599 Question Type : MCQ Option Shuffling : Yes 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 $x = x(t)$ be the solution curve of the differential equation $\frac{dx}{dt} = -kx$, and

$x(0)=100$, $x\left(\frac{1}{2}\right) = 80$. If $x(t_\alpha)=5$, then t_α is equal to :

Options :

36669424061. $\frac{\log_e 5 + \log_e 4}{2(\log_e 5 - \log_e 4)}$

36669424062. $\frac{\log_e 5 + \log_e 4}{\log_e 5 - \log_e 4}$

36669424063. $\frac{\log_e 5 - \log_e 4}{2(\log_e 5 + \log_e 4)}$

36669424064. $\frac{\log_e 5 - \log_e 4}{\log_e 5 + \log_e 4}$

Question Number : 6 Question Id : 3666947599 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

माना अवकल समीकरण $\frac{dx}{dt} = -kx$, $x(0)=100$, $x\left(\frac{1}{2}\right) = 80$ का हल वक्र $x = x(t)$ है ।

यदि $x(t_\alpha)=5$ है, तो t_α बराबर है

Options :

36669424061. $\frac{\log_e 5 + \log_e 4}{2(\log_e 5 - \log_e 4)}$

36669424062. $\frac{\log_e 5 + \log_e 4}{\log_e 5 - \log_e 4}$

36669424063. $\frac{\log_e 5 - \log_e 4}{2(\log_e 5 + \log_e 4)}$

36669424064. $\frac{\log_e 5 - \log_e 4}{\log_e 5 + \log_e 4}$

Question Number : 7 Question Id : 3666947600 Question Type : MCQ Option Shuffling : Yes 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 slope of the tangent to the curve $y = y(x) = \int_{\sin^{-1}(x)}^{\cos^{-1}(x)} \sqrt{1 + 4\sin^2 t} dt, 0 \leq x \leq 1$ at the point $\left(\frac{1}{\sqrt{2}}, 0\right)$ on the curve is :

Options :

36669424065. $-2\sqrt{6}$

36669424066. $2\sqrt{6}$

36669424067. $-4\sqrt{3}$

36669424068. $4\sqrt{3}$

Question Number : 7 Question Id : 3666947600 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

वक्र $y = y(x) = \int_{\sin^{-1}(x)}^{\cos^{-1}(x)} \sqrt{1+4\sin^2 t} \, dt, 0 \leq x \leq 1$ के बिंदु $\left(\frac{1}{\sqrt{2}}, 0\right)$ पर स्पर्श रेखा की प्रवणता है

Options :

36669424065. $-2\sqrt{6}$

36669424066. $2\sqrt{6}$

36669424067. $-4\sqrt{3}$

36669424068. $4\sqrt{3}$

Question Number : 8 Question Id : 3666947601 Question Type : MCQ Option Shuffling : Yes 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 $\alpha, \beta, \gamma \left(0 < \alpha, \beta, \gamma < \frac{\pi}{2}\right)$ be the angles between non-zero vectors $\vec{a}$ and $\vec{b}$, $\vec{b}$ and $\vec{c}$, $\vec{c}$ and $\vec{a}$ respectively. If θ is the angle that the vector $\vec{a}$ makes with the plane containing $\vec{b}$ and $\vec{c}$, then

Options :

36669424069. $\cos^2 \theta = \operatorname{cosec}^2 \beta (\cos^2 \alpha + \cos^2 \gamma - 2 \cos \alpha \cos \beta \cos \gamma)$

36669424070. $\cos^2 \theta = \sec^2 \beta (\cos^2 \alpha + \cos^2 \gamma + 2 \cos \alpha \cos \beta \cos \gamma)$

36669424071. $\sin^2 \theta = \operatorname{cosec}^2 \beta (\cos^2 \alpha + \cos^2 \gamma - 2 \cos \alpha \cos \beta \cos \gamma)$

36669424072. $\sin^2 \theta = \sec^2 \beta (\cos^2 \alpha + \cos^2 \gamma + 2 \cos \alpha \cos \beta \cos \gamma)$

Question Number : 8 Question Id : 3666947601 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

माना शून्येत्तर सदिशों $\vec{a}$ तथा $\vec{b}$, $\vec{b}$ तथा $\vec{c}$, $\vec{c}$ तथा $\vec{a}$ के बीच कोण क्रमशः

$\alpha, \beta, \gamma \left(0 < \alpha, \beta, \gamma < \frac{\pi}{2} \right)$ हैं। यदि समतल, जिसमें सदिश $\vec{b}$ तथा $\vec{c}$ स्थित हैं, से सदिश $\vec{a}$

कोण θ बनाता है, तो

Options :

36669424069. $\cos^2 \theta = \operatorname{cosec}^2 \beta (\cos^2 \alpha + \cos^2 \gamma - 2 \cos \alpha \cos \beta \cos \gamma)$

36669424070. $\cos^2 \theta = \sec^2 \beta (\cos^2 \alpha + \cos^2 \gamma + 2 \cos \alpha \cos \beta \cos \gamma)$

36669424071. $\sin^2 \theta = \operatorname{cosec}^2 \beta (\cos^2 \alpha + \cos^2 \gamma - 2 \cos \alpha \cos \beta \cos \gamma)$

36669424072. $\sin^2 \theta = \sec^2 \beta (\cos^2 \alpha + \cos^2 \gamma + 2 \cos \alpha \cos \beta \cos \gamma)$

Question Number : 9 Question Id : 3666947602 Question Type : MCQ Option Shuffling : Yes 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

$f(x) = \sin^{-1} (\log_2 ((x-1)(x-2)))$ is :

Options :

36669424073. $[0, 3]$

36669424074. $\left[0, \frac{3-\sqrt{3}}{2} \right] \cup \left[\frac{3+\sqrt{3}}{2}, 3 \right]$

36669424075.

$$\left(\frac{3-\sqrt{3}}{2}, 1\right) \cup \left(2, \frac{3+\sqrt{3}}{2}\right)$$

$$36669424076. \left[0, \frac{3-\sqrt{6}}{2}\right] \cup \left[\frac{3+\sqrt{6}}{2}, 3\right]$$

Question Number : 9 Question Id : 3666947602 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

फलन $f(x) = \sin^{-1}(\log_2((x-1)(x-2)))$ का प्रांत है

Options :

$$36669424073. [0, 3]$$

$$36669424074. \left[0, \frac{3-\sqrt{3}}{2}\right] \cup \left[\frac{3+\sqrt{3}}{2}, 3\right]$$

$$36669424075. \left(\frac{3-\sqrt{3}}{2}, 1\right) \cup \left(2, \frac{3+\sqrt{3}}{2}\right)$$

$$36669424076. \left[0, \frac{3-\sqrt{6}}{2}\right] \cup \left[\frac{3+\sqrt{6}}{2}, 3\right]$$

Question Number : 10 Question Id : 3666947603 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let α and β be the roots of the equation $2x^2 - 5x - 1 = 0$. For $n \in \mathbb{N}$, let $P_n = \alpha^n + \beta^n$.

Then $\frac{2P_{11}(2P_{10} - 5P_9)}{P_8(5P_{10} + P_9)}$ is equal to :

Options :

36669424077. $-\frac{1}{2}$

36669424078. $\frac{1}{2}$

36669424079. -1

36669424080. 1

Question Number : 10 Question Id : 3666947603 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

माना समीकरण $2x^2 - 5x - 1 = 0$ के मूल α तथा β हैं। $n \in \mathbb{N}$, के लिए, माना $P_n = \alpha^n + \beta^n$ है।

तो $\frac{2P_{11}(2P_{10} - 5P_9)}{P_8(5P_{10} + P_9)}$ बराबर है

Options :

36669424077. $-\frac{1}{2}$

36669424078. $\frac{1}{2}$

36669424079. -1

Question Number : 11 Question Id : 3666947604 Question Type : MCQ Option Shuffling : Yes 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 image of the point $(1, 1, 2)$ in the plane $2x - y + z + 3 = 0$ is the point P, then the distance of P from origin is

Options :

36669424081. $2\sqrt{3}$

36669424082. $3\sqrt{2}$

36669424083. 4

36669424084. 6

Question Number : 11 Question Id : 3666947604 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि बिंदु $(1, 1, 2)$ का समतल $2x - y + z + 3 = 0$ में प्रतिबिंब P है, तो P की मूल बिंदु से दूरी है

Options :

36669424081. $2\sqrt{3}$

36669424082. $3\sqrt{2}$

36669424084. 6

Question Number : 12 Question Id : 3666947605 Question Type : MCQ Option Shuffling : Yes 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 three non-coplanar vectors $\vec{a}, \vec{b}, \vec{c}$, if $(\vec{b} + \vec{c}) \cdot \{(\vec{c} + \vec{a}) \times (\vec{a} + \vec{b})\} = \alpha [\vec{a} \ \vec{b} \ \vec{c}]$ and $(\vec{a} + \vec{b}) \cdot \{(\vec{b} + \vec{c}) \times (\vec{a} + \vec{b} + \vec{c})\} = \beta [\vec{a} \ \vec{b} \ \vec{c}]$, then $\alpha + \beta$ is equal to :

Options :

36669424085. - 3

36669424086. - 1

36669424087. 1

36669424088. 3

Question Number : 12 Question Id : 3666947605 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

तीन सदिशों $\vec{a}, \vec{b}, \vec{c}$ जो एक तल में नहीं है के लिए, यदि $(\vec{b} + \vec{c}) \cdot \{(\vec{c} + \vec{a}) \times (\vec{a} + \vec{b})\} = \alpha [\vec{a} \ \vec{b} \ \vec{c}]$ तथा $(\vec{a} + \vec{b}) \cdot \{(\vec{b} + \vec{c}) \times (\vec{a} + \vec{b} + \vec{c})\} = \beta [\vec{a} \ \vec{b} \ \vec{c}]$ हैं, तो $\alpha + \beta$ बराबर है ।

Options :

36669424085. - 3

36669424087. 1

36669424088. 3

Question Number : 13 Question Id : 3666947606 Question Type : MCQ Option Shuffling : Yes 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 $I(x) = \int \frac{dx}{1 - 2 \sin^2 x \cos^2 x}$, then $\tan \left(\sqrt{2} \left(I \left(\frac{\pi}{8} \right) - I(0) \right) \right)$ is equal to :

Options :

36669424089. $\frac{1}{\sqrt{2}}$

36669424090. 1

36669424091. $\sqrt{2}$

36669424092. 2

Question Number : 13 Question Id : 3666947606 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि $I(x) = \int \frac{dx}{1 - 2 \sin^2 x \cos^2 x}$ है, तो $\tan \left(\sqrt{2} \left(I \left(\frac{\pi}{8} \right) - I(0) \right) \right)$ बराबर है

Options :

36669424089.

36669424090. 1

36669424091. $\sqrt{2}$

36669424092. 2

Question Number : 14 Question Id : 3666947607 Question Type : MCQ Option Shuffling : Yes 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 a binomial distribution B (6, p). If the sum of the mean and the

variance of X is $\frac{21}{8}$, then $\frac{P(2 \leq X < 4)}{P(4 < X < 6)}$ is equal to :

Options :

36669424093. 65

36669424094. 195

36669424095. $\frac{195}{2}$

36669424096. $\frac{225}{2}$

Question Number : 14 Question Id : 3666947607 Question Type : MCQ Option Shuffling : Yes Is
 Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
 Instruction Time : 0

माना X का द्विपद बंटन $B(6, p)$ है। यदि X के माध्य और प्रसरण का योग $\frac{21}{8}$ है, तो

$$\frac{P(2 \leq X < 4)}{P(4 < X < 6)} \text{ बराबर है}$$

Options :

36669424093. 65

36669424094. 195

36669424095. $\frac{195}{2}$

36669424096. $\frac{225}{2}$

Question Number : 15 Question Id : 3666947608 Question Type : MCQ Option Shuffling : Yes 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 statement

$$((p * (\sim q)) \wedge (p \vee q)) \Leftrightarrow p$$

is a tautology, then $*$ is :

Options :

36669424097. $\wedge$

36669424098. $\vee$

36669424099. $\Rightarrow$

36669424100. $\Leftrightarrow$

Question Number : 15 Question Id : 3666947608 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि कथन

$$((p * (\sim q)) \wedge (p \vee q)) \Leftrightarrow p$$

एक पुनरुक्ति है, तो * है

Options :

36669424097. $\wedge$

36669424098. $\vee$

36669424099. $\Rightarrow$

36669424100. $\Leftrightarrow$

Question Number : 16 Question Id : 3666947609 Question Type : MCQ Option Shuffling : Yes 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 circles $x^2 + y^2 - 2x - 4y + 4 = 0$ and $x^2 + y^2 - 6x - 10y + 20 + 2\sqrt{13} = 0$ touch each other at the point (a, b) , then $(3a - 2b)^2$ is equal to :

Options :

36669424101. 1

36669424102. 4

36669424103. 9

Question Number : 16 Question Id : 3666947609 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि वृत्त $x^2 + y^2 - 2x - 4y + 4 = 0$ तथा $x^2 + y^2 - 6x - 10y + 20 + 2\sqrt{13} = 0$ एक दूसरे को बिंदु (a, b) पर स्पर्श करते हैं, तो $(3a-2b)^2$ बराबर है

Options :

36669424101. 1

36669424102. 4

36669424103. 9

36669424104. 13

Question Number : 17 Question Id : 3666947610 Question Type : MCQ Option Shuffling : Yes 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 angle between the line $l: \frac{x-1}{2} = \frac{y+1}{1} = \frac{z-2}{2}$ and the plane

$P: \lambda x + 4y - 7 = 0, \lambda \neq 0$, is $\operatorname{cosec}^{-1}\left(\frac{3}{2}\right)$, then the sum of co-ordinates of the point where line l crosses the plane P is :

Options :

36669424105. -33

36669424106. -2

36669424108. 6

Question Number : 17 Question Id : 3666947610 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि रेखा $l: \frac{x-1}{2} = \frac{y+1}{1} = \frac{z-2}{2}$ तथा समतल $P: \lambda x + 4y - 7 = 0, \lambda \neq 0$, के बीच का

कोण $\operatorname{cosec}^{-1}\left(\frac{3}{2}\right)$ है, तो उस बिंदु, जिस पर रेखा l समतल P को मिलती है, के निर्देशांकों का योग है

Options :

36669424105. -33

36669424106. -2

36669424107. 3

36669424108. 6

Question Number : 18 Question Id : 3666947611 Question Type : MCQ Option Shuffling : Yes 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 three distinct normal be drawn to the parabola $y^2 + 4y - 6x - 8 = 0$ from a point (a, b) on the axis of the parabola. Then :

Options :

36669424109. $a \in (1, \infty)$ and $b = -2$

36669424111. $a \in (1, \infty)$ and $b = 2$ 36669424112. $a \in (2, \infty)$ and $b = 2$ **Question Number : 18 Question Id : 3666947611 Question Type : MCQ Option Shuffling : Yes Is****Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum****Instruction Time : 0****Correct Marks : 4 Wrong Marks : 1**

माना परवलय $y^2 + 4y - 6x - 8 = 0$ के अक्ष पर एक बिंदु (a, b) से परवलय पर तीन भिन्न अभिलंब डाले जाते हैं। तो

Options :36669424109. $a \in (1, \infty)$ तथा $b = -2$ 36669424110. $a \in (0, \infty)$ तथा $b = -2$ 36669424111. $a \in (1, \infty)$ तथा $b = 2$ 36669424112. $a \in (2, \infty)$ तथा $b = 2$ **Question Number : 19 Question Id : 3666947612 Question Type : MCQ Option Shuffling : Yes 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 ${}^nC_r = \frac{n!}{r!(n-r)!}$, $0 \leq r \leq n$ and n is a non-negative integer. Then a

possible value of k for which the equality

$${}^{50}C_{k-1} + \sum_{r=1}^{50} {}^{100-r}C_{k-2} = {}^{100}C_{49} \text{ holds, is}$$

Options :

36669424113. 40

36669424114. 49

36669424115. 50

36669424116. 25

Question Number : 19 Question Id : 3666947612 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दिया गया है कि ${}^nC_r = \frac{n!}{r!(n-r)!}$, $0 \leq r \leq n$ तथा n एक ऋणैतर पूर्णांक है। तो k

का एक संभव मान, जिसके लिए ${}^{50}C_{k-1} + \sum_{r=1}^{50} {}^{100-r}C_{k-2} = {}^{100}C_{49}$ है, है

Options :

36669424113. 40

36669424114. 49

36669424115. 50

Question Number : 20 Question Id : 3666947613 Question Type : MCQ Option Shuffling : Yes 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 an unbiased die, marked with $-3, -2, -1, 0, 1, 2$ on its faces, is thrown four times, then the probability of getting -1 as the sum of outputs is :

Options :

36669424117. $\frac{7}{81}$

36669424118. $\frac{35}{324}$

36669424119. $\frac{8}{81}$

36669424120. $\frac{26}{243}$

Question Number : 20 Question Id : 3666947613 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि एक अनभिन्नत पासे, जिसके फलकों पर $-3, -2, -1, 0, 1, 2$ लिखा है, को चार बार फेंका जाता है, तो फलकों पर प्राप्त संख्याओं का योग -1 होने की प्रायिकता है

Options :

36669424117. $\frac{7}{81}$

$$36669424118. \overline{35} 324$$

$$36669424119. \overline{8} 81$$

$$36669424120. \overline{26} 243$$

Mathematics Section B

Section Id :	366694438
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 :	366694438
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 21 Question Id : 3666947614 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

$(\sin 5^\circ \sin 55^\circ \sin 65^\circ \sin 75^\circ)^{-1}$ is equal to _____.

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Question Number : 21 Question Id : 3666947614 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

 $(\sin 5^\circ \sin 55^\circ \sin 65^\circ \sin 75^\circ)^{-1}$ बराबर _____ है।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Question Number : 22 Question Id : 3666947615 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 shortest distance between the lines

 $3x + 2y - 4z - 5 = 0 = 5x - 7y - 17z + 2$ and $\frac{x-2}{3} = \frac{y-1}{-5} = \frac{z+1}{2}$ is $\frac{10}{\sqrt{k}}$, then k is

equal to _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Possible Answers :

10

Question Number : 22 Question Id : 3666947615 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

यदि रेखाओं $3x + 2y - 4z - 5 = 0 = 5x - 7y - 17z + 2$ तथा $\frac{x-2}{3} = \frac{y-1}{-5} = \frac{z+1}{2}$ के बीच

न्यूनतम दूरी $\frac{10}{\sqrt{k}}$ है, तो k बराबर _____ है।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Question Number : 23 Question Id : 3666947616 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

For $p \in \mathbb{N}$, if the angle between pair of tangents drawn to the ellipse $3x^2 + 2y^2 = 5$ from the point $(1, p)$ is $\tan^{-1}\left(\frac{12}{\sqrt{5}}\right)$, then the distance of the vertex of the parabola $y = x^2 - px + p + 1$ from the point $(-7, 8)$ is equal to _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

Question Number : 23 Question Id : 3666947616 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

$p \in \mathbb{N}$ के लिए, यदि बिंदु $(1, p)$ से दीर्घवृत्त $3x^2 + 2y^2 = 5$ पर खींची गई दो स्पर्श रेखाओं के बीच कोण $\tan^{-1}\left(\frac{12}{\sqrt{5}}\right)$ है, तो परवलय $y = x^2 - px + p + 1$ के शीर्ष की बिंदु $(-7, 8)$ से दूरी बराबर _____ है ।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Question Number : 24 Question Id : 3666947617 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

Let P be a polygon with n vertices such that the line segment joining any two points of P remains entirely in P . If the number of diagonals of P is $n + 25$, then n is equal to _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Question Number : 24 Question Id : 3666947617 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

मान n शीर्षों का एक बहुभुज इस प्रकार है कि P के किसी भी दो बिंदुओं को मिलाने वाला रेखाखंड भी P में है। यदि P के विकर्णों की संख्या $n+25$ है, तो n बराबर है _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Question Number : 25 Question Id : 3666947618 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

Let $f(x)$ be a polynomial of degree 5 such that $\lim_{x \rightarrow 0} \frac{f(x)}{x^2} = 1$,

$f(-1) = -1$, $f(x) - 14x$ has an extrema at $x = 1$ and $f(x) - 10x$ has an extrema at $x = -1$. Then $f(2)$ is equal to _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Question Number : 25 Question Id : 3666947618 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

माना $f(x)$, घात 5 का एक बहुपद है जिसके लिए $\lim_{x \rightarrow 0} \frac{f(x)}{x^2} = 1$ है, $f(-1) = -1$ है,

$f(x) - 14x$ का एक चरम बिंदु $x = 1$ है तथा $f(x) - 10x$ का एक चरम बिंदु $x = -1$ है, तो $f(2)$ बराबर _____ है।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Question Number : 26 **Question Id :** 3666947619 **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 7 digits integers formed by using the digits 2, 3, 4, 5 only and having the sum of digits equal to 18 is _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Question Number : 26 **Question Id :** 3666947619 **Question Type :** SA **Calculator :** None

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

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

केवल अंकों 2, 3, 4, 5 के प्रयोग से बनाए गए 7 अंकों के पूर्णांकों, जिनके अंको का योग 18 है, की संख्या _____ है।

Response Type : Numeric

Evaluation Required For SA : Yes

Answers Type : Equal**Text Areas** : PlainText**Possible Answers** :

10

Question Number : 27 **Question Id** : 3666947620 **Question Type** : SA **Calculator** : None**Response Time** : N.A **Think Time** : N.A **Minimum Instruction Time** : 0**Correct Marks** : 4 **Wrong Marks** : 1The remainder when $(556)^{40}$ is divided by 7 is _____.**Response Type** : Numeric**Evaluation Required For SA** : Yes**Show Word Count** : Yes**Answers Type** : Equal**Text Areas** : PlainText**Possible Answers** :

10

Question Number : 27 **Question Id** : 3666947620 **Question Type** : SA **Calculator** : None**Response Time** : N.A **Think Time** : N.A **Minimum Instruction Time** : 0**Correct Marks** : 4 **Wrong Marks** : 1 $(556)^{40}$ को 7 से विभाजित करने पर शेषफल _____ है ।**Response Type** : Numeric**Evaluation Required For SA** : Yes**Show Word Count** : Yes**Answers Type** : Equal**Text Areas** : PlainText**Possible Answers** :

10

Question Number : 28 Question Id : 3666947621 Question Type : SA 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 less than or equal to t . Then the value of

$10 - 10 \int_{-2}^2 [x + x^3] dx$ is _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Question Number : 28 Question Id : 3666947621 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

माना $[t]$ महत्तम पूर्णांक $\leq t$ है। तो $10 - 10 \int_{-2}^2 [x + x^3] dx$ का मान _____ है।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Question Number : 29 Question Id : 3666947622 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

Let $A = \frac{1}{\sqrt{2}} \begin{bmatrix} 1 & 1 \\ -1 & 1 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 0 \\ 0 & -1 \end{bmatrix}$. If $k, l \in \mathbb{N}$ be such that $A^k B^l = I$, then the minimum value of $k + l$ is _____.

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Question Number : 29 Question Id : 3666947622 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

माना $A = \frac{1}{\sqrt{2}} \begin{bmatrix} 1 & 1 \\ -1 & 1 \end{bmatrix}$ तथा $B = \begin{bmatrix} 1 & 0 \\ 0 & -1 \end{bmatrix}$ हैं। यदि $k, l \in \mathbb{N}$ के लिए $A^k B^l = I$ है, तो $k+l$ का न्यूनतम मान _____ है।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Question Number : 30 Question Id : 3666947623 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

Let $A_1 = [1]$, $A_2 = \begin{bmatrix} 2 & 3 \\ 4 & 5 \end{bmatrix}$, $A_3 = \begin{bmatrix} 6 & 7 & 8 \\ 9 & 10 & 11 \\ 12 & 13 & 14 \end{bmatrix}$, ... Then the sum of the diagonal elements of A_{20} is _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Text Areas : PlainText

Possible Answers :

10

Question Number : 30 Question Id : 3666947623 Question Type : SA Calculator : None

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

Correct Marks : 4 Wrong Marks : 1

माना $A_1 = [1]$, $A_2 = \begin{bmatrix} 2 & 3 \\ 4 & 5 \end{bmatrix}$, $A_3 = \begin{bmatrix} 6 & 7 & 8 \\ 9 & 10 & 11 \\ 12 & 13 & 14 \end{bmatrix}$, ... हैं। तो A_{20} के विकर्ण के अवयवों का योग _____ है।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

10

Aptitude Test

Section Id :	366694439
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Enable Mark as Answered Mark for Review and Clear Response :	Yes

Maximum Instruction Time :

0

Sub-Section Number :

1

Sub-Section Id :

366694439

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 31 Question Id : 3666947624 Question Type : MCQ Option Shuffling : Yes 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 sustainable development goal targeted to be achieved by 2030?

Options :

36669424131. gender equality

36669424132. zero hunger

36669424133. good health & well being

36669424134. space Research

Question Number : 31 Question Id : 3666947624 Question Type : MCQ Option Shuffling : Yes Is**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum****Instruction Time : 0****Correct Marks : 4 Wrong Marks : 1**

नीचे दिये गये विकल्पों में से कौन सा एक सस्टेनेबल डवलपमेन्ट गोल जो 2030 तक पूर्ण नहीं करना है।

Options :

36669424131. लिंग अनुपात

36669424132. जीरो हंगर

36669424133. अच्छा स्वास्थ्य

36669424134. आंतरिक्ष शोध

Question Number : 32 Question Id : 3666947625 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

KANDARIYA MAHADEV TEMPLE is situated in which state of India?

Options :

36669424135. Madhya Pradesh

36669424136. Maharashtra

36669424137. Rajasthan

36669424138. Karnataka

Question Number : 32 Question Id : 3666947625 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

खन्दरिया महादेव मन्दिर किस राज्य में स्थित है?

Options :

36669424136. महाराष्ट्र

36669424137. राजस्थान

36669424138. कर्नाटक

Question Number : 33 Question Id : 3666947626 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Vertical elements in a building are:-

Options :

36669424139. Column, Lintel, Wall

36669424140. Lintel, Beam, Arch

36669424141. Column, Pier, Post

36669424142. Floor, Column, Arch

Question Number : 33 Question Id : 3666947626 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Options :

36669424139. स्तम्भ, लिंटल, दीवार

36669424140. लिंटल, बीम, तोरण

36669424141. स्तम्भ, पीअर, पोस्ट

36669424142. फर्श, स्तम्भ, तोरण

Question Number : 34 Question Id : 3666947627 Question Type : MCQ Option Shuffling : Yes Is**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum****Instruction Time : 0****Correct Marks : 4 Wrong Marks : 1**

Cavity Walls are used for

Options :

36669424143. Waterproofing

36669424144. Heat Insulation

36669424145. Aesthetics

36669424146. Cost saving

Question Number : 34 Question Id : 3666947627 Question Type : MCQ Option Shuffling : Yes Is**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum****Instruction Time : 0**

कैविटी वॉल का क्या उपयोग है?

Options :

36669424143. वाटरप्रूफिंग

36669424144. उष्मा अवरोधी

36669424145. सौन्दर्य वर्धन

36669424146. लागत बचाव

Question Number : 35 Question Id : 3666947628 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Lintel is related to:

Options :

36669424147. Window

36669424148. Roof

36669424149. Foundation

36669424150. Pipe

Question Number : 35 Question Id : 3666947628 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

लिटल का सम्बन्ध है-

Options :

36669424147. खिड़की

36669424148. छत

36669424149. नींव

36669424150. पाइप

Question Number : 36 Question Id : 3666947629 Question Type : MCQ Option Shuffling : Yes 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 by looking at the image given above:

Options :

36669424151. Lodhi Garden

Question Number : 36 Question Id : 3666947629 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दिये गये चित्र को देखकर सही विकल्प चुनें-



Options :

36669424151. लोधी गार्डन

36669424152. जन्तर मन्तर

36669424153. राजघाट

36669424154. बहाई मंदिर

Question Number : 37 Question Id : 3666947630 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ARCHITECT ACT 1972 was enforced in which month

Options :

36669424155. 31st Dec

36669424156. 31st May

36669424157. 31st July

36669424158. 31st March

Question Number : 37 Question Id : 3666947630 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

आर्किटेक्ट एक्ट 1972 किस महीने में लागू हुआ था?

Options :

36669424155. 31 दिसंबर

36669424156. 31 मई

36669424157. 31 जुलाई

36669424158. 31 मार्च

Question Number : 38 Question Id : 3666947631 Question Type : MCQ Option Shuffling : Yes 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 dome of Rashtrapati Bhawan is influenced by which of the following:

Options :

36669424159. Gurudwara

36669424160. Mosque

36669424161. Stupa

36669424162. Temple

Question Number : 38 Question Id : 3666947631 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

राष्ट्रपति भवन की गुम्बज किस से प्रभावित है?

Options :

36669424159. गुरुद्वारा

36669424160. मस्जिद

36669424161. स्तूप

36669424162. मंदिर

Question Number : 39 Question Id : 3666947632 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Dominion tower is designed by

Options :

36669424163. Bjarke Ingels

36669424164. Zaha Hadid

36669424165. Frei otto

36669424166. F.L. Wright

Question Number : 39 Question Id : 3666947632 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

डोमिनियन टावर किसने डिजाइन किया है?

Options :

36669424163. बिजार्क इलिस

36669424164. जहा हदीद

36669424166. एफ.एल.राइट

**Question Number : 40 Question Id : 3666947633 Question Type : MCQ Option Shuffling : Yes 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 largest river island of the world is present in which state of India?

Options :

36669424167. Maharashtra

36669424168. Assam

36669424169. Uttar Pradesh

36669424170. West Bengal

**Question Number : 40 Question Id : 3666947633 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

सबसे बड़ा नदी द्वीप दुनिया का भारत के किस राज्य में स्थित है?

Options :

36669424167. महाराष्ट्र

36669424169. **उत्तर प्रदेश**

36669424170. **पश्चिम बंगाल**

Question Number : 41 Question Id : 3666947634 Question Type : MCQ Option Shuffling : Yes 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 prepared the first layout of the town of Jamshedpur?

Options :

36669424171. **Charles Correa**

36669424172. **Otto Konigsberger**

36669424173. **Le Corbuseir**

36669424174. **Messrs Julin Kennedy Sahhin**

Question Number : 41 Question Id : 3666947634 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

जमशेदपुर नगर का पहला योजना प्रारूप किसने तैयार किया था?

Options :

36669424171. **चार्ल्स कोरिया**

36669424172. ओट्टो कोइन्सबर्गर

36669424173. ली-कॉर्बुजियर

36669424174. मैसी जूलिन एवं केनेडी शाहीन

Question Number : 42 Question Id : 3666947635 Question Type : MCQ Option Shuffling : Yes 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 historical monument which is given in the image.

Options :

36669424175. Sanchi Stupa

36669424176. Victory Tower

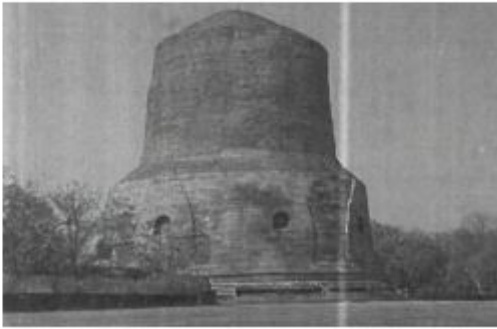
36669424177. Sarnath Stupa

36669424178. Nalanda

Question Number : 42 Question Id : 3666947635 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

चित्र में दिये गये ऐतिहासिक स्मारक को पहचानिए



Options :

36669424175. साँची स्तूप

36669424176. विक्टरी टॉवर (विजयी स्तम्भ)

36669424177. सारनाथ स्तूप

36669424178. नालन्दा

Question Number : 43 Question Id : 3666947636 Question Type : MCQ Option Shuffling : Yes 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 was known as "Father of modern concrete"?

Options :

36669424179. John Paul

36669424180. John Nash

36669424181. John Smeaton

36669424182. Joseph Stein

Question Number : 43 Question Id : 3666947636 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

मॉडर्न कॉंक्रीट का जनक किसे कहा जाता है?

Options :

36669424179. जॉन पॉल

36669424180. जॉन नॅश

36669424181. जॉन स्मीटन

36669424182. जॉसेफ स्टीन

Question Number : 44 Question Id : 3666947637 Question Type : MCQ Option Shuffling : Yes 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 TWA Airport, New York?

Options :

36669424184. Mies Vander Rohe

36669424185. Joseph Allen Stein

36669424186. Alvar Aalto

Question Number : 44 Question Id : 3666947637 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

TWA हवाई अड्डा, न्यूयॉर्क का वास्तुकला विद्य कौन है?

Options :

36669424183. एरो सारीनेन

36669424184. मीज़ वेन्डर रोह

36669424185. जोसेफ एलन स्टीन

36669424186. अल्वर आल्टो

Question Number : 45 Question Id : 3666947638 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Starting from a point, Maria walked 12 meters towards North, she turned right and walked 10 meters. She again turned right and walked 12 meters, then she turned left and walked 5 meters. How far is she now and in which direction from the starting point? Consider the starting point is in south direction.

Options :

36669424187. 27 meters towards East

36669424188. 5 meters towards East

36669424189. 10 meters towards West

36669424190. 15 meters towards East

Question Number : 45 Question Id : 3666947638 Question Type : MCQ Option Shuffling : Yes Is**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum****Instruction Time : 0****Correct Marks : 4 Wrong Marks : 1**

आरम्भ बिन्दु से मारिया 12 मीटर उत्तर दिशा की ओर चली, वह दायें मुड़ी एवं 10 मीटर चली वह फिर से दायें मुड़ी एवं 12 मीटर चली फिर वह बायें मुड़ी एवं 5 मीटर चली। आरम्भ बिन्दु को दक्षिण में मानते हुये, वह कितनी दूर आ गयी एवं किस दिशा में है बतायें।

Options :

36669424187. 27 मीटर पूर्व की ओर

36669424188. 5 मीटर पूर्व की ओर

36669424189. 10 मीटर पश्चिम की ओर

36669424190. 15 मीटर पूर्व की ओर

Question Number : 46 Question Id : 3666947639 Question Type : MCQ Option Shuffling : Yes 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 among the following is not Pritzker prize winner?

Options :

36669424191. Wang Shu

36669424192. B.V. Doshi

36669424193. Arata Isozaki

36669424194. Denise Scott Brown

Question Number : 46 Question Id : 3666947639 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन "प्रितज़कर प्राइज़" विजेता नहीं है?

Options :

36669424191. वांग शु

36669424192. बी. वी. दोशी

36669424193. अराटा आइसोज़ाकी

36669424194. डिनीज स्कोट ब्राउन

Question Number : 47 Question Id : 3666947640 Question Type : MCQ Option Shuffling : Yes 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 Antonio Gaudi's project?

Options :

36669424195. Casa Mila

36669424196. Sagrada Familia

36669424197. Casa Batllo

36669424198. Casa Milano

Question Number : 47 Question Id : 3666947640 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन-सा एन्टोनिओ गोडिओ का प्रोजेक्ट नहीं है?

Options :

36669424195. कासा मिला

36669424196. सागराड़ा फैमिलिआ

36669424197. कासा बाटलो

Question Number : 48 Question Id : 3666947641 Question Type : MCQ Option Shuffling : Yes 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 the following is most earthquake resistant structure?

Options :

36669424199. RCC framed structure

36669424200. Load bearing structure

36669424201. Mud walls structure

36669424202. Random stone masonry structure

Question Number : 48 Question Id : 3666947641 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन सबसे ज्यादा भूकम्प अवरोधी ढाँचा है?

Options :

36669424199. आर.सी.सी.ढाँचा

36669424200. वजन सहने वाला ढाँचा

36669424201. मिट्टी दीवार ढाँचा

36669424202. पत्थर चिनाई ढाँचा

Question Number : 49 Question Id : 3666947642 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

“CHALK” belongs to which category?

Options :

36669424203. Rock

36669424204. Mineral

36669424205. Wood

36669424206. Polymer

Question Number : 49 Question Id : 3666947642 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

चॉक किस श्रेणी में है?

Options :

36669424203. पत्थर

36669424204. खनिज

36669424206. पॉलीमर

Question Number : 50 Question Id : 3666947643 Question Type : MCQ Option Shuffling : Yes 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 are the three parts of colour theory?

Options :

36669424207. hyper, value and chrome

36669424208. honey, violet and chroma

36669424209. hue, value and chroma

36669424210. hue, chrome and violet

Question Number : 50 Question Id : 3666947643 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

रंग सिद्धान्त के तीन भाग क्या है?

Options :

36669424207. हाइपर, वैल्यू एवं क्रोम

36669424208. हनी, वायलेट एवं क्रोमा

36669424209. हयू वेल्सू एवं क्रोमा

36669424210. हयू क्रोम एवं वायलेट

Question Number : 51 Question Id : 3666947644 Question Type : MCQ Option Shuffling : Yes 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 three primary colours?

Options :

36669424211. Red, Blue and Green

36669424212. Red, Yellow and Blue

36669424213. Black, White and Yellow

36669424214. Blue, White and Yellow

Question Number : 51 Question Id : 3666947644 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

तीन प्राथमिक रंग पहचानिए।

Options :

36669424211. लाल, नीला एवं हरा

36669424213. काला, सफेद एवं पीला

36669424214. नीला, सफेद एवं पीला

Question Number : 52 Question Id : 3666947645 Question Type : MCQ Option Shuffling : Yes 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. Kamakhya Temple	I. Madhya Pradesh
B. Padmanabha Temple	II. Rajasthan
C. Kandariya Mahadev	III. Assam
D. Karni Mata Temple	IV. Kerala

Choose the **correct** answer from the options given below:

Options :

36669424215. A-II, B-I, C-III, D-IV

36669424216. A-IV, B-III, C-II, D-I

36669424217. A-III, B-IV, C-I, D-II

36669424218. A-I, B-II, C-IV, D-III

Question Number : 52 Question Id : 3666947645 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I व सूची II मिलाये-

सूची I	सूची II
A. कामाख्या मंदिर	I. मध्य प्रदेश
B. पद्मनामा मंदिर	II. राजस्थान
C. खन्दरिया महादेव मंदिर	III. आसाम
D. कर्नी माता मंदिर	IV. केरला

सही विकल्प चुनें।

Options :

36669424215. A-II, B-I, C-III, D-IV

36669424216. A-IV, B-III, C-II, D-I

36669424217. A-III, B-IV, C-I, D-II

36669424218. A-I, B-II, C-IV, D-III

Question Number : 53 Question Id : 3666947646 Question Type : MCQ Option Shuffling : Yes 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 square has an area of 100 sq.mt. How much will be its area on a scale of 1 : 20?

Options :

36669424219. 5 sq.mt.

36669424220. 50 sq.mt.

36669424221. 0.25 sq.mt.

36669424222. 25 sq.mt.

Question Number : 53 Question Id : 3666947646 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

एक वर्ग का क्षेत्रफल 100 वर्ग मीटर है। 1:20 के माप पर इसका क्षेत्रफल कितना है?

Options :

36669424219. 5 sq.mt.

36669424220. 50 sq.mt.

36669424221. 0.25 sq.mt.

36669424222. 25 sq.mt.

Question Number : 54 Question Id : 3666947647 Question Type : MCQ Option Shuffling : Yes 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: Shakti Sthal is a memorial in Raj Ghat marking the cremation site of Indira Gandhi.

Statement II: A.P. Kanvinde is the landscape designer known for designing Shakti Sthal.

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

Options :

36669424223. Both Statement I and Statement II are true

36669424224. Both Statement I and Statement II are false

36669424225. Statement I is true but Statement II is false

36669424226. Statement I is false but Statement II is true

Question Number : 54 Question Id : 3666947647 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

कथन I – शक्ति राज घाट में एक स्मारक है जो कि इन्दिरा गाँधी का शमशान स्थल है।

कथन II – ए.पी. कानविन्दे प्रकृति स्थल डिजाइनर है जो कि शक्ति स्थल के लिये जाने जाते हैं।

सही विकल्प चुनें –

Options :

36669424223. दोनों कथन I एवं कथन II सत्य हैं।

36669424224. दोनों कथन I एवं कथन II असत्य हैं।

36669424225. कथन I सत्य है एवं कथन II असत्य है।

Question Number : 55 Question Id : 3666947648 Question Type : MCQ Option Shuffling : Yes 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 'UDAY'?

Options :

36669424227. Ujjwala Discom Assitance Yojana

36669424228. Unnati Development Ayojan Yojana

36669424229. Ujwal Distribution Assurance Yojana

36669424230. Ujwal Discom Assurance Yojana

Question Number : 55 Question Id : 3666947648 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

UDAY का पूर्ण रूप क्या है?

Options :

36669424227. उज्जवला डिसकॉम असिस्टेन्स योजना

36669424228. उन्नति डवलपमेंट आयोजन योजना

36669424229. उज्जवल डिस्ट्रीब्यूशन अस्योरेंस योजना

36669424230. उज्ज्वल डिस्कॉम अश्योरेस योजना

Question Number : 56 Question Id : 3666947649 Question Type : MCQ Option Shuffling : Yes 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 acronym for 'AYUSH'?

Options :

36669424231. Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homeopathy

36669424232. Ayurveda, Yogic and Unani Siddha and Homeopathy

36669424233. Acroveda, Yoga, Unani, Siddha and Homeopathy

36669424234. Ayurveda, Yoga, Naturopathy, Unani Surgery and Homeopathy

Question Number : 56 Question Id : 3666947649 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

AYUSH का पूर्ण रुप क्या है?

Options :

36669424231. आयुर्वेद, योगा, नैचुरोपैथी, यूनानी, सिद्धा एवं होम्योपैथी

36669424232. आयुर्वेद, योगिक, एवं यूनानी सिद्धा एवं होम्योपैथी

36669424234. आयुर्वेद, योगा, नैचुरोपैथी, यूनानी सर्जरी एवं होम्योपैथी

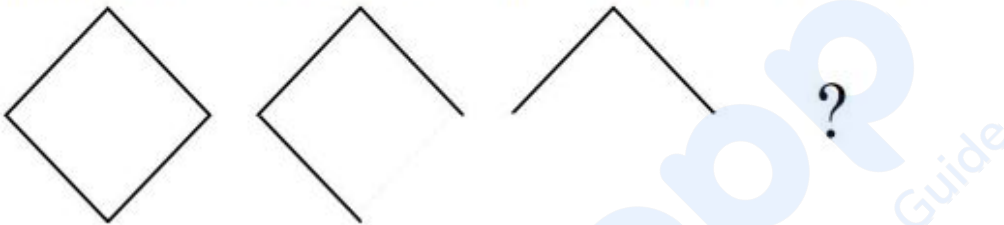
Question Number : 57 Question Id : 3666947650 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

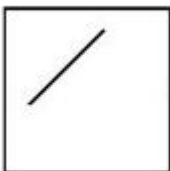
Select the correct option from answer figure which will be best suitable to continue the same pattern as established by the problem figure.



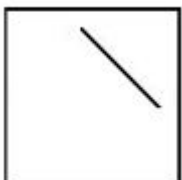
Options :



36669424235.



36669424236.



36669424237.



36669424238.

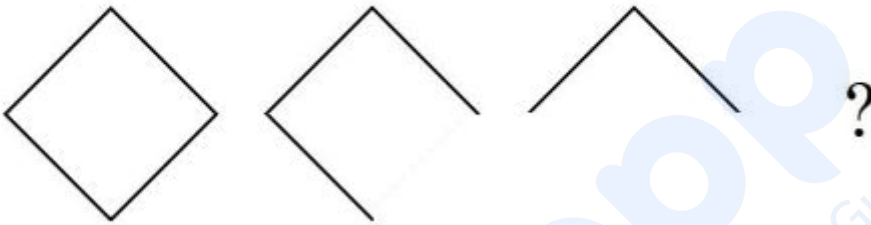
Question Number : 57 Question Id : 3666947650 Question Type : MCQ Option Shuffling : Yes Is

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

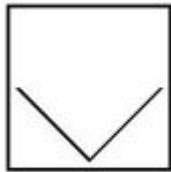
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

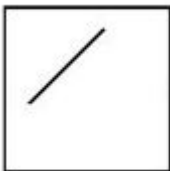
दिये गये उत्तर विकल्पों में से सबसे उत्तम विकल्प चुनिये जो प्रश्न क्रम को आगे करता है-



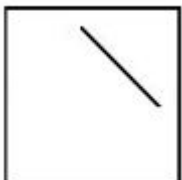
Options :



36669424235.



36669424236.



36669424237.

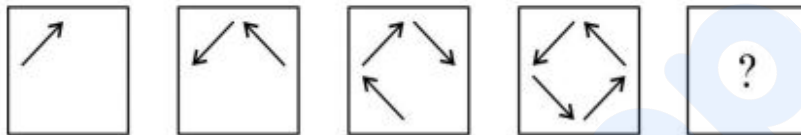


36669424238.

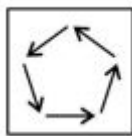
Question Number : 58 Question Id : 3666947651 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

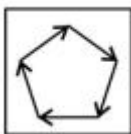
Choose the correct option from the answer figures which completes the question series.



Options :



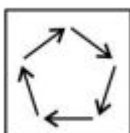
36669424239.



36669424240.



36669424241.

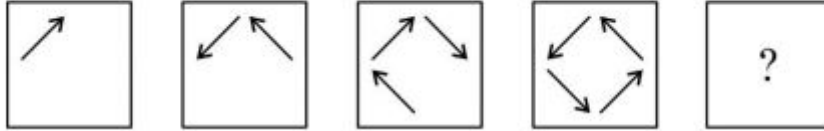


36669424242.

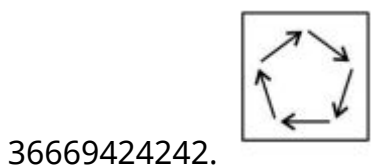
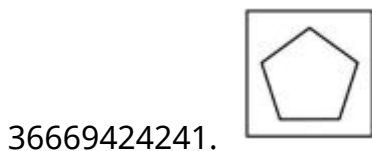
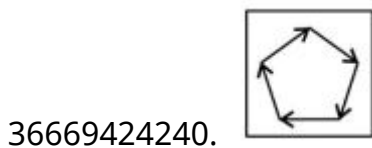
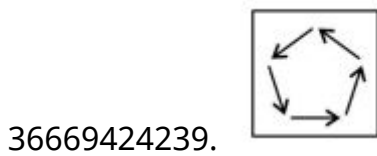
Question Number : 58 Question Id : 3666947651 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्रश्न श्रृंखला को पूर्ण करने के लिये उत्तर विकल्पों में सही विकल्प चुनिये।



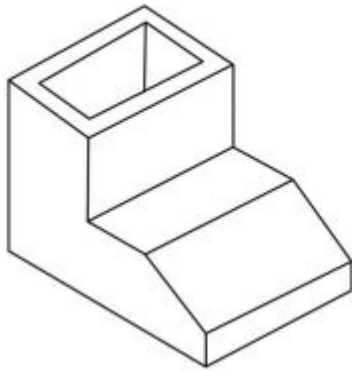
Options :



Question Number : 59 Question Id : 3666947652 Question Type : MCQ Option Shuffling : Yes 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 number of surfaces in the given 3D object.



Options :

36669424243. 12

36669424244. 13

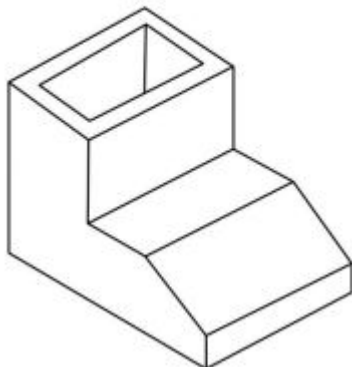
36669424245. 10

36669424246. 9

Question Number : 59 Question Id : 3666947652 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

3-D दृश्य में वस्तु के सतह अथवा पृष्ठों की संख्या पहचानिए।



Options :

36669424243. 12

36669424244. 13

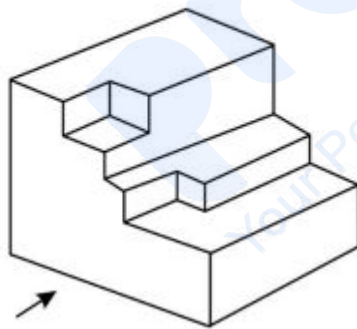
36669424245. 10

36669424246. 9

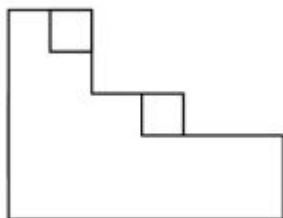
Question Number : 60 Question Id : 3666947653 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

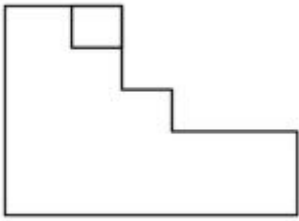


Options :

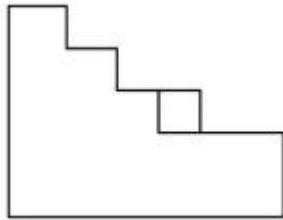


36669424247.

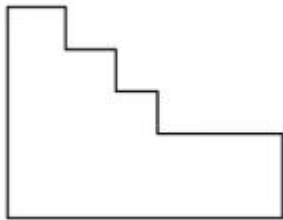
36669424248.



36669424249.



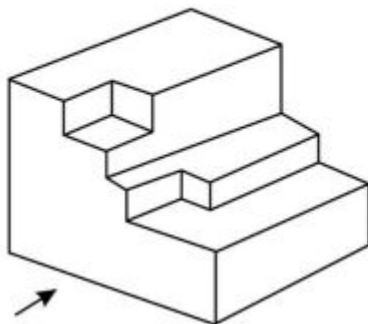
36669424250.



Question Number : 60 Question Id : 3666947653 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

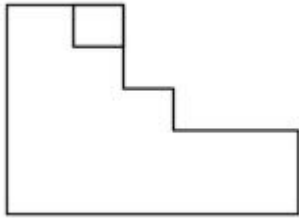
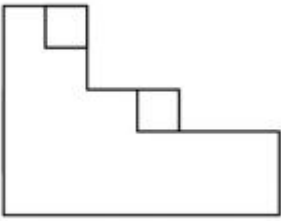
Correct Marks : 4 Wrong Marks : 1

प्रश्न में वस्तु के 3D दृश्य दर्शाया गया है। तीर की दिशा में देखते हुये वस्तु का सही दृश्य पहचानिए।

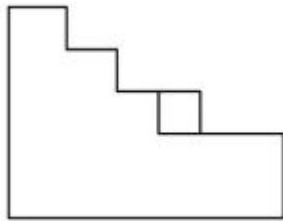


Options :

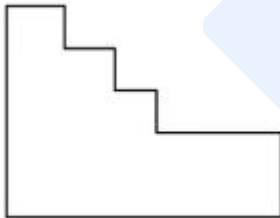
36669424247.



36669424248.



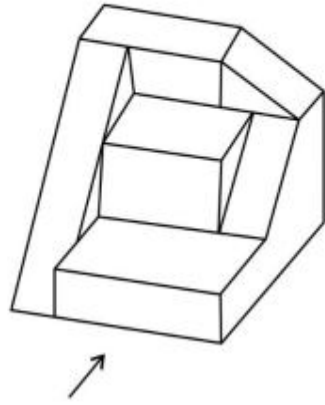
36669424249.



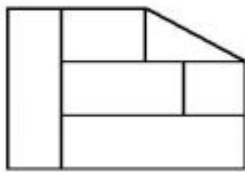
36669424250.

**Question Number : 61 Question Id : 3666947654 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

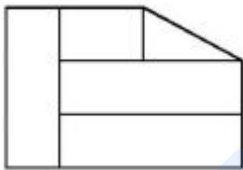
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



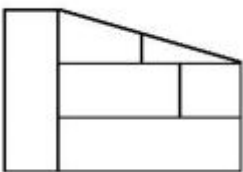
Options :



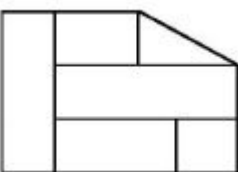
36669424251.



36669424252.



36669424253.

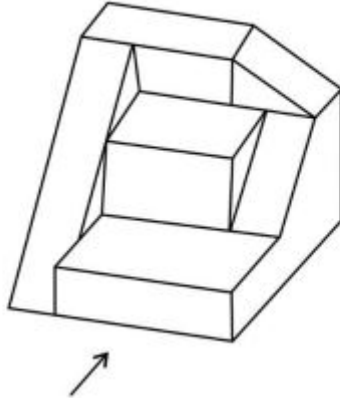


36669424254.

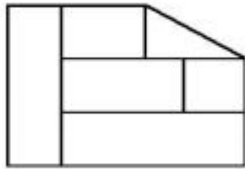
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

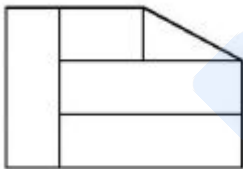
प्रश्न में किसी वस्तु का 3D दृश्य दिया गया है। तीर की दिशा में देखते हुये सही दृश्य पहचानिए।



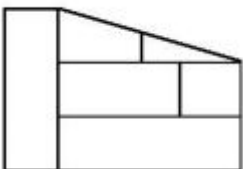
Options :



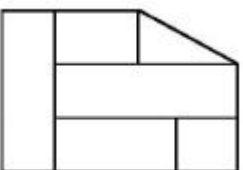
36669424251.



36669424252.



36669424253.

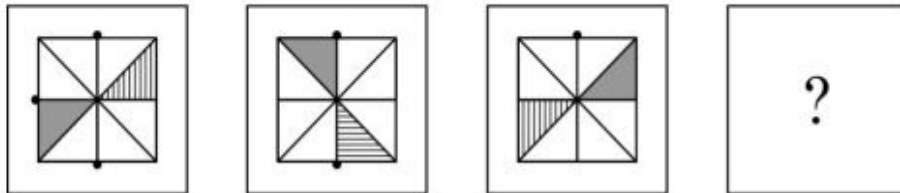


36669424254.

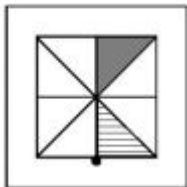
Question Number : 62 Question Id : 3666947655 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

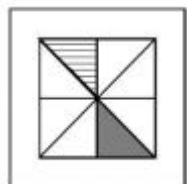
Choose the correct option from the answer figures which completes the sequence.



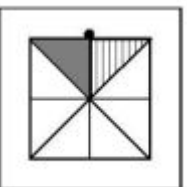
Options :



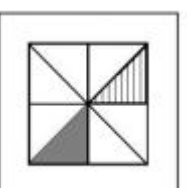
36669424255.



36669424256.



36669424257.



36669424258.

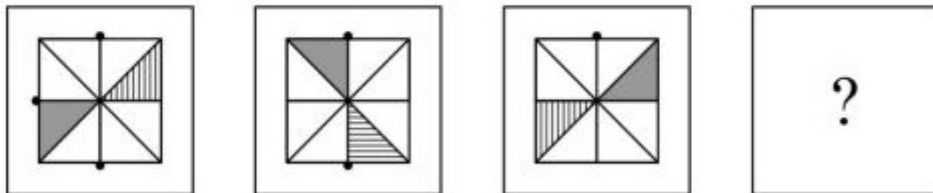
Question Number : 62 Question Id : 3666947655 Question Type : MCQ Option Shuffling : Yes Is

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

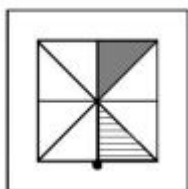
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

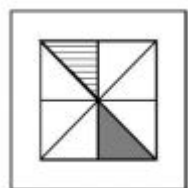
दिये गये विकल्पों में सही विकल्प चुनिए जो प्रश्न क्रम को पूर्ण करता है।



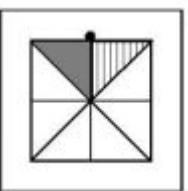
Options :



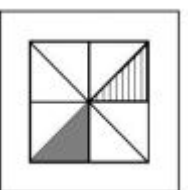
36669424255.



36669424256.



36669424257.



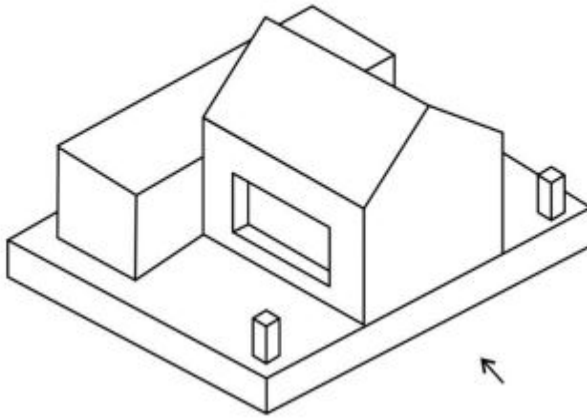
36669424258.

Question Number : 63 Question Id : 3666947656 Question Type : MCQ Option Shuffling : Yes Is

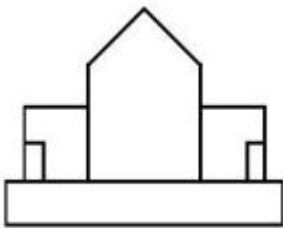
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

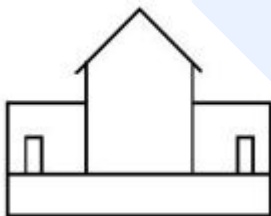
The question figure shows the 3D view of an object, identify the correct view looking in the direction of the arrow?



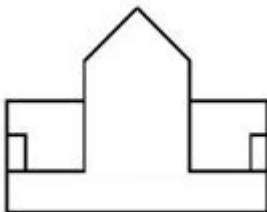
Options :



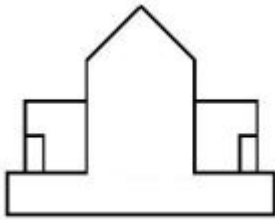
36669424259.



36669424260.



36669424261.

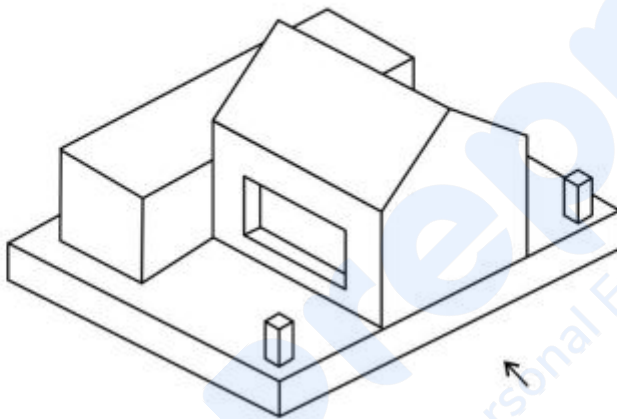


36669424262.

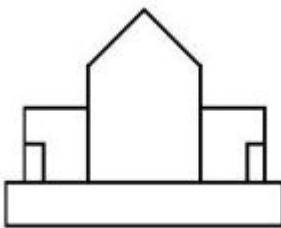
Question Number : 63 Question Id : 3666947656 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

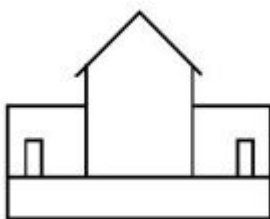
प्रश्न में दिया गया चित्र एक वस्तु का 3D दृश्य दर्शाता है। तीर की दिशा में देखते हुये सही दृश्य पहचानिए।



Options :

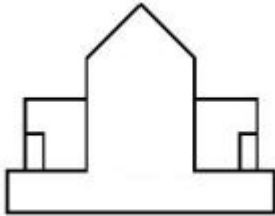
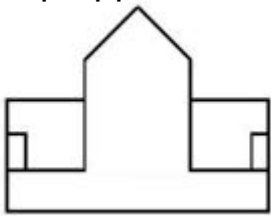


36669424259.



36669424260.

36669424261.

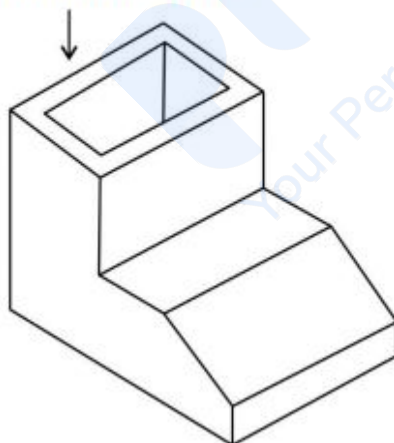


36669424262.

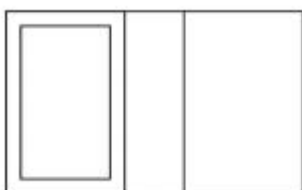
Question Number : 64 Question Id : 3666947657 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The question figure shows the 3D view of an object. Identify the top view of the object in the direction of the arrow.

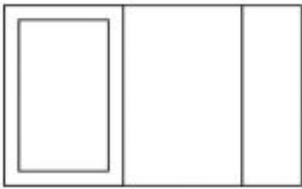


Options :

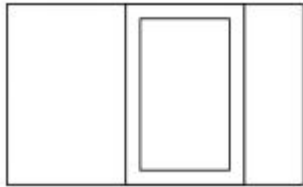


36669424263.

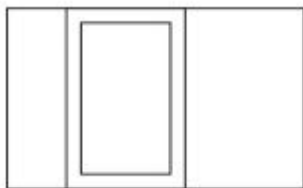
36669424264.



36669424265.



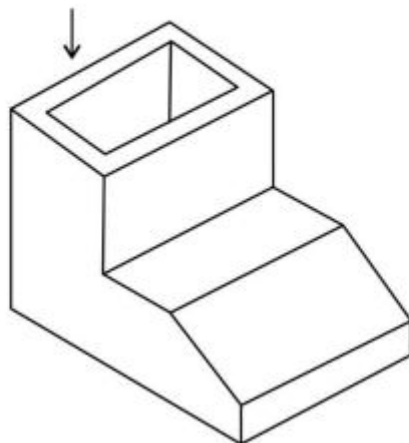
36669424266.



Question Number : 64 Question Id : 3666947657 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

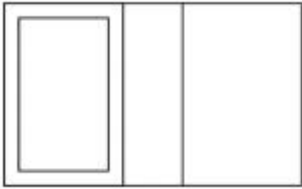
Correct Marks : 4 Wrong Marks : 1

प्रश्न में एक 3D दृश्य दिया गया है। तीर की दिशा में देखते हुए वस्तु का ऊपरी दृश्य दिये गये विकल्पों में चुनो।

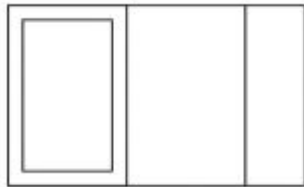


Options :

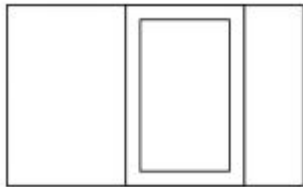
36669424263.



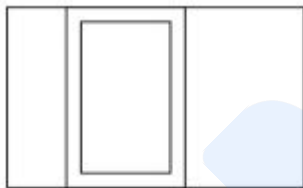
36669424264.



36669424265.

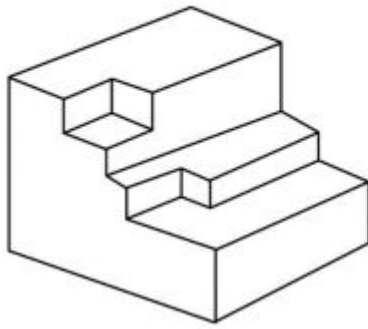


36669424266.



Question Number : 65 Question Id : 3666947658 Question Type : MCQ Option Shuffling : Yes 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 total number of surfaces in the given 3D object.



Options :

36669424267. 12

36669424268. 13

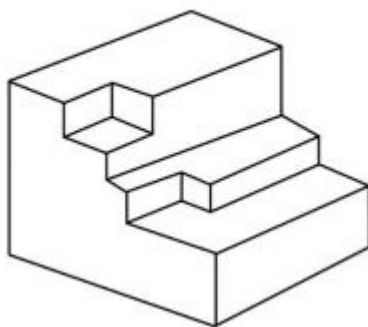
36669424269. 15

36669424270. 16

Question Number : 65 Question Id : 3666947658 Question Type : MCQ Option Shuffling : Yes 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 वस्तु में प्रश्नों की संख्या पहचानिए।



Options :

36669424267. 12

36669424268. 13

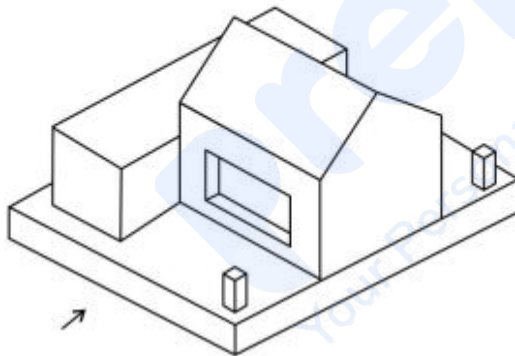
36669424269. 15

36669424270. 16

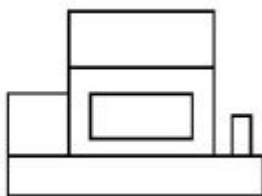
Question Number : 66 Question Id : 3666947659 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

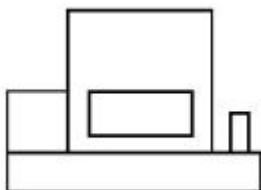
The question figure shows the 3D view of an object. Identify the correct view looking in the direction of the arrow.



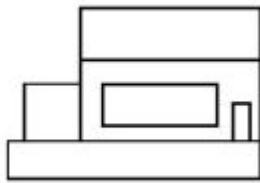
Options :



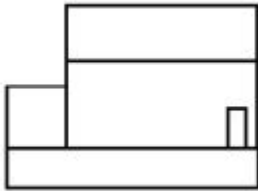
36669424271.



36669424272.



36669424273.

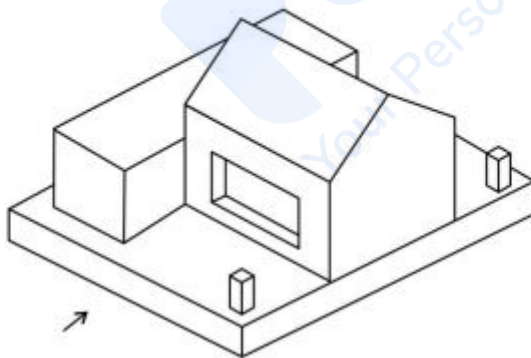


36669424274.

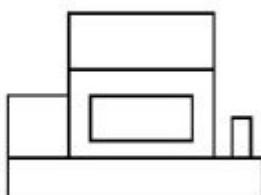
Question Number : 66 Question Id : 3666947659 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्रश्न में एक 3D दृश्य दिया गया है। तीर की दिशा में देखते हुये, दिये गये विकल्पों में सही विकल्प चुनिए।

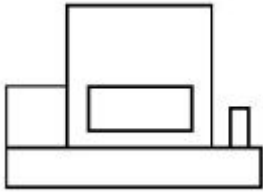


Options :

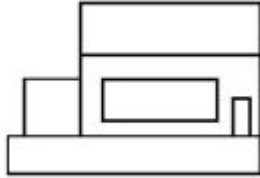


36669424271.

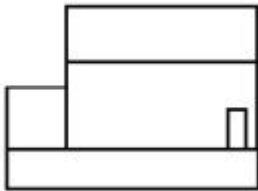
36669424272.



36669424273.



36669424274.



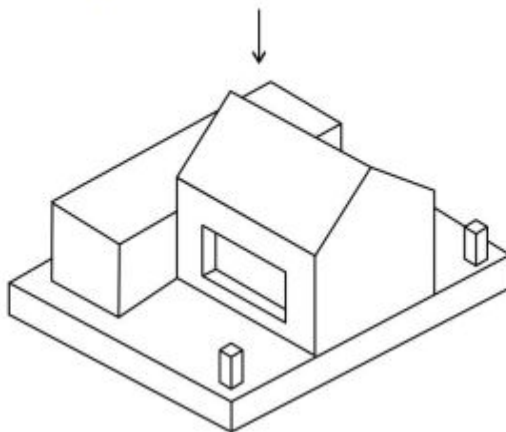
Question Number : 67 Question Id : 3666947660 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

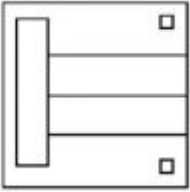
Correct Marks : 4 Wrong Marks : 1

In the question figure it is a 3D view of an object. Identify the correct top view among the given options.

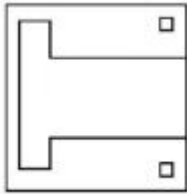


Options :

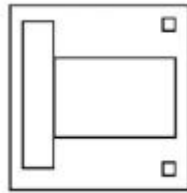
36669424275.



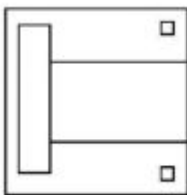
36669424276.



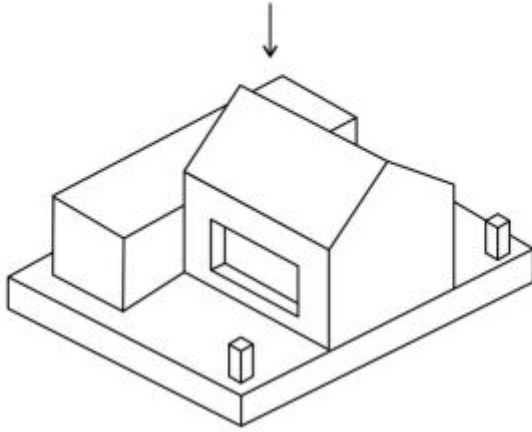
36669424277.



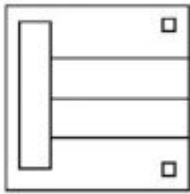
36669424278.



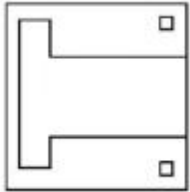
**Question Number : 67 Question Id : 3666947660 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**



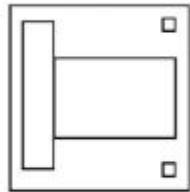
Options :



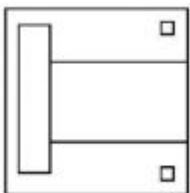
36669424275.



36669424276.



36669424277.

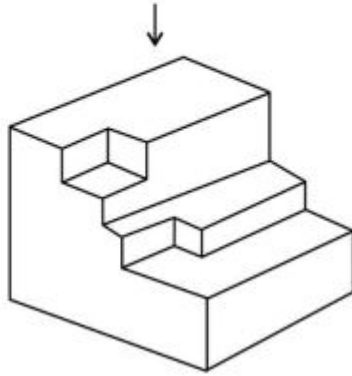


36669424278.

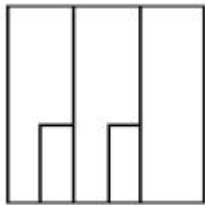
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

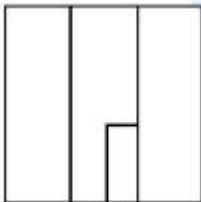
The question figure shows the 3D view of an object. Identify the most appropriate top view of the object from the given direction of the arrow.



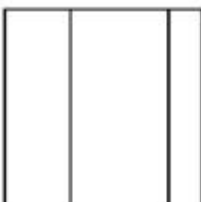
Options :



36669424279.

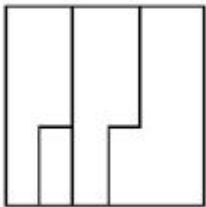


36669424280.



36669424281.

36669424282.



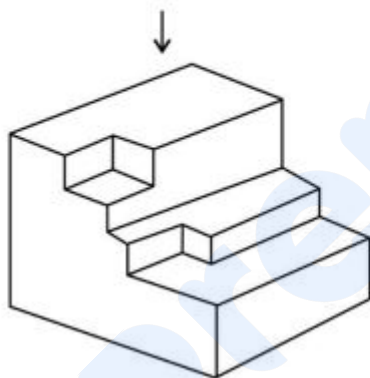
Question Number : 68 Question Id : 3666947661 Question Type : MCQ Option Shuffling : Yes Is

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

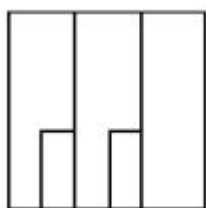
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

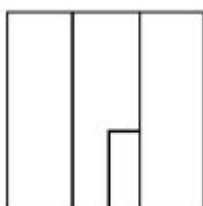
प्रश्न में एक 3D दृश्य दर्शाया गया है। तीर की दिशा में देखते हुये सबसे सही ऊपरी दृश्य चुनिये।



Options :

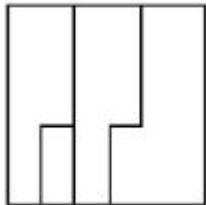
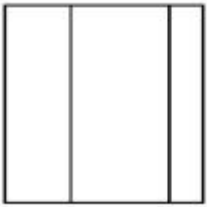


36669424279.



36669424280.

36669424281.

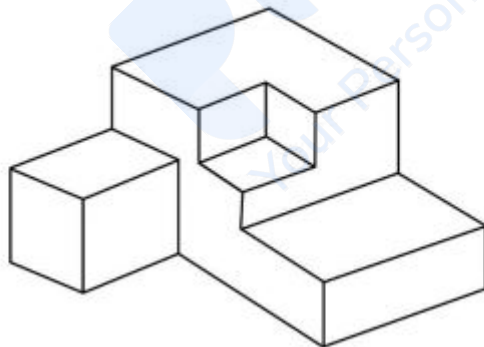


36669424282.

Question Number : 69 Question Id : 3666947662 Question Type : MCQ Option Shuffling : Yes 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 total number of surfaces in the given object.



Options :

36669424283. 13

36669424284. 14

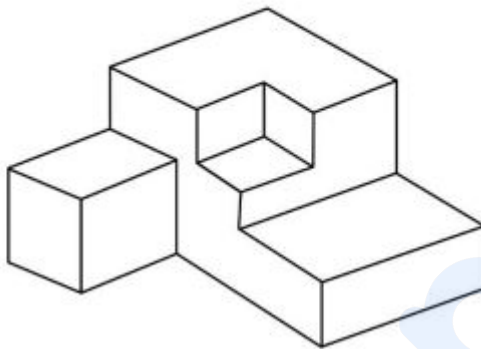
36669424285. 11

36669424286. 10

Question Number : 69 Question Id : 3666947662 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दिये गये वस्तु में पृष्ठों की संख्या पहचानिए।



Options :

36669424283. 13

36669424284. 14

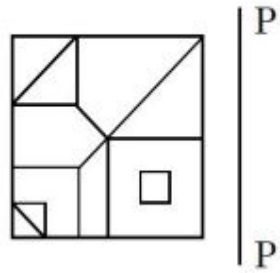
36669424285. 11

36669424286. 10

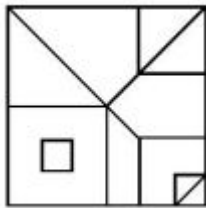
Question Number : 70 Question Id : 3666947663 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

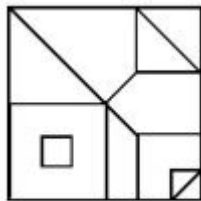
Identify the mirror image of the question figure, amongst the answer figures with respect to P-P.



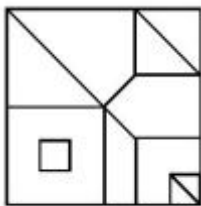
Options :



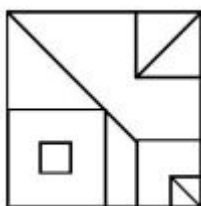
36669424287.



36669424288.



36669424289.

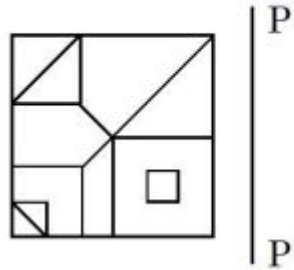


36669424290.

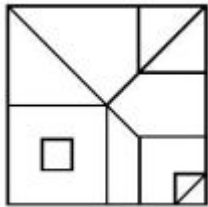
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

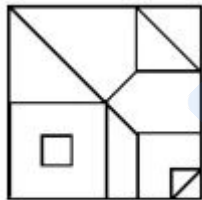
P.P. के आधार पर प्रश्न चित्र का दर्पण प्रतिबिम्ब, दिये गये उत्तर विकल्पों में से चुनिए।



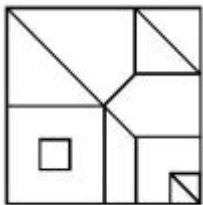
Options :



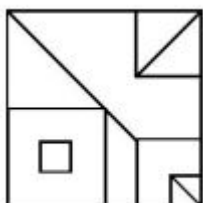
36669424287.



36669424288.



36669424289.



36669424290.

Question Number : 71 Question Id : 3666947664 Question Type : MCQ Option Shuffling : Yes 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 mirror image of the question image with respect to P-P.



Options :

36669424291. 

36669424292. 

36669424293. 

36669424294. 

Question Number : 71 Question Id : 3666947664 Question Type : MCQ Option Shuffling : Yes Is
 Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
 Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



Options :



36669424291.



36669424292.



36669424293.



36669424294.

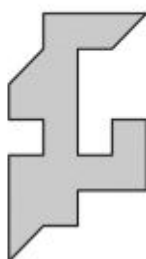
Question Number : 72 Question Id : 3666947665 Question Type : MCQ Option Shuffling : Yes Is

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

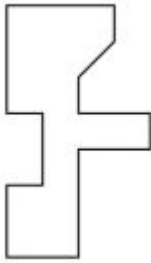
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

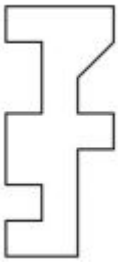
Which of the answer figures fit best to the left side of the given question figure?



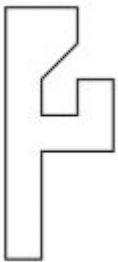
Options :



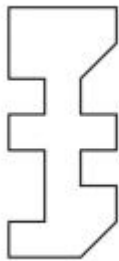
36669424295.



36669424296.



36669424297.



36669424298.

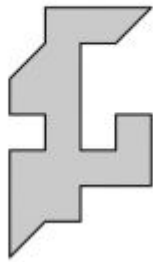
prepp
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Question Number : 72 Question Id : 3666947665 Question Type : MCQ Option Shuffling : Yes Is

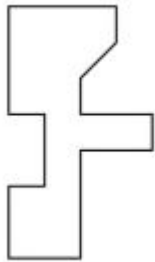
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

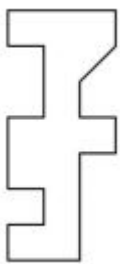
Correct Marks : 4 Wrong Marks : 1



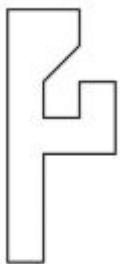
Options :



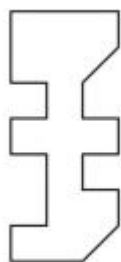
36669424295.



36669424296.



36669424297.

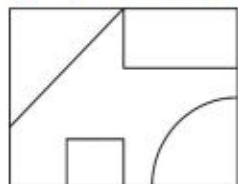


36669424298.

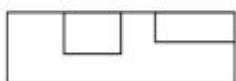
Question Number : 73 Question Id : 3666947666 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

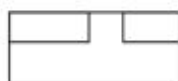
In the question figure, the top, front and right side view is given. Identify the most appropriate 3D view of the object from the answer figures.



Top view

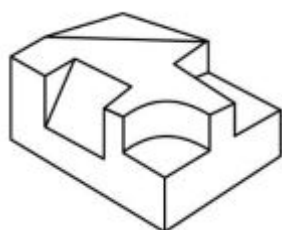


Front view

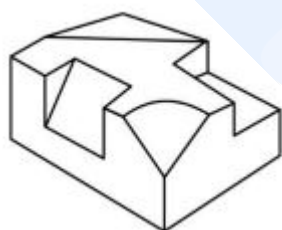


Right side view

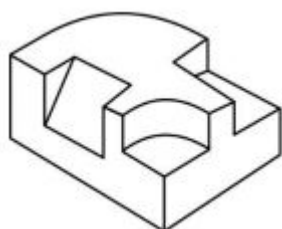
Options :



36669424299.

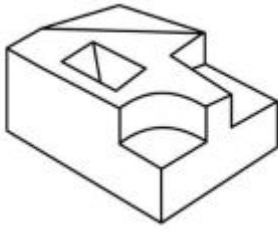


36669424300.



36669424301.

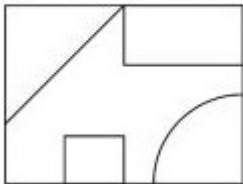
36669424302.



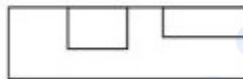
Question Number : 73 Question Id : 3666947666 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दिये गये प्रश्न में वस्तु के ऊपरी, सम्मुख एवं दायी ओर से दृश्य दिये गये हैं। सबसे अच्छा 3D दृश्य विकल्पों में से चुनिए।



Top view



Front view

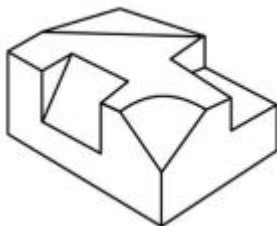


Right side view

Options :

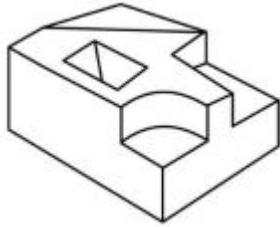
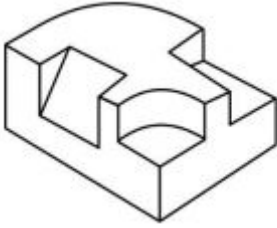


36669424299.



36669424300.

36669424301.



36669424302.

Question Number : 74 Question Id : 3666947667 Question Type : MCQ Option Shuffling : Yes Is

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

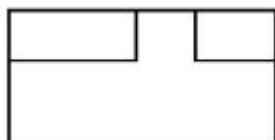
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

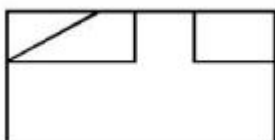
The question figure shows the 3D view of an object. Identify the most appropriate elevation (front view) looking in the direction of arrow.



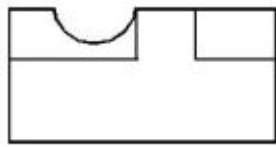
Options :



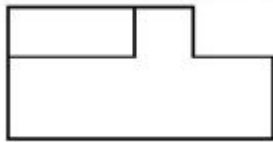
36669424303.



36669424304.



36669424305.

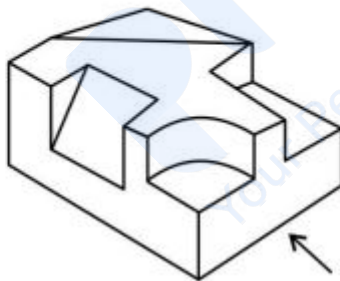


36669424306.

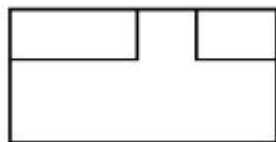
Question Number : 74 Question Id : 3666947667 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

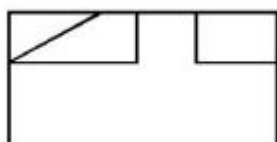
प्रश्न में एक वस्तु का 3D दृश्य दिया गया है। तीर की दिशा में देखते हुये, उत्तर विकल्पों में से सम्मुख दृश्य चुनिये।



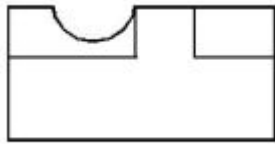
Options :



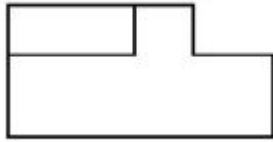
36669424303.



36669424304.



36669424305.

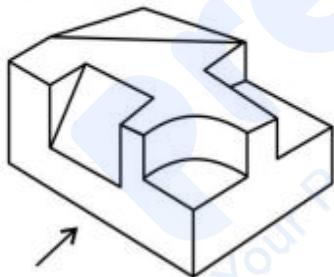


36669424306.

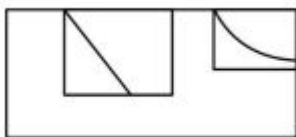
Question Number : 75 Question Id : 3666947668 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

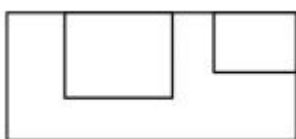
The question figure shows the 3D view of an object. Identify the most appropriate view of the object looking in the direction of the arrow.



Options :

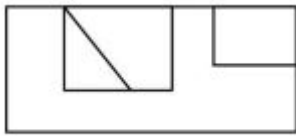
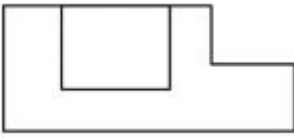


36669424307.



36669424308.

36669424309.

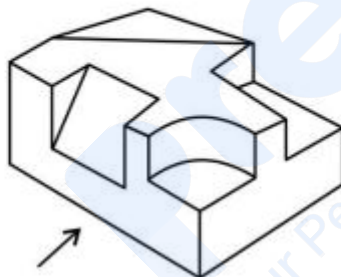


36669424310.

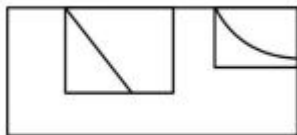
Question Number : 75 Question Id : 3666947668 Question Type : MCQ Option Shuffling : Yes Is
 Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
 Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

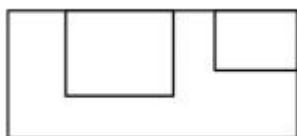
दिये गये प्रश्न में वस्तु का 3D दृश्य दर्शाया गया है। तीर की दिशा में देखते हुये सबसे सही दृश्य पहचानिए।



Options :

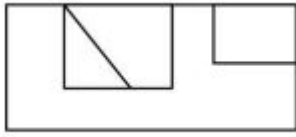
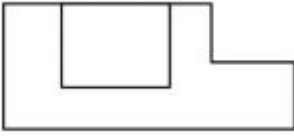


36669424307.



36669424308.

36669424309.



36669424310.

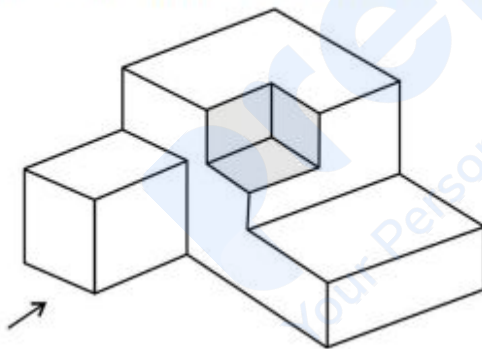
Question Number : 76 Question Id : 3666947669 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

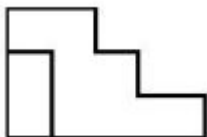
The question figure is the 3D view of an object. Identify the most appropriate front view of the object looking in the direction of the arrow.



Options :

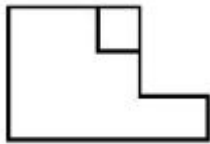


36669424311.

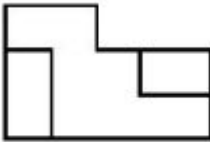


36669424312.

36669424313.



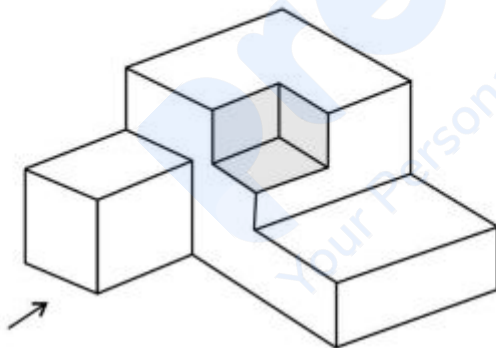
36669424314.



Question Number : 76 Question Id : 3666947669 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्रश्न में एक वस्तु का 3D दृश्य दर्शाया गया है। तीर की दिशा में देखते हुये सही दृश्य पहचानिए।

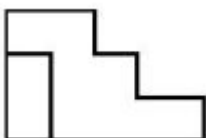


Options :

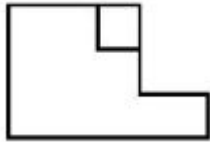
36669424311.



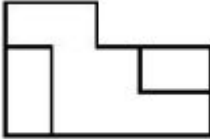
36669424312.



36669424313.



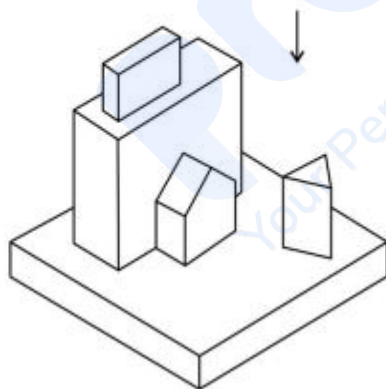
36669424314.



Question Number : 77 Question Id : 3666947670 Question Type : MCQ Option Shuffling : Yes 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 3D view of an object. Identify the most appropriate top view of the given 3D object looking in the direction of an arrow, from the given answers figures.

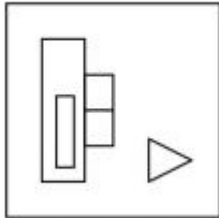
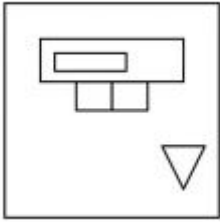


Options :

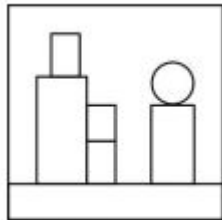


36669424315.

36669424316.



36669424317.

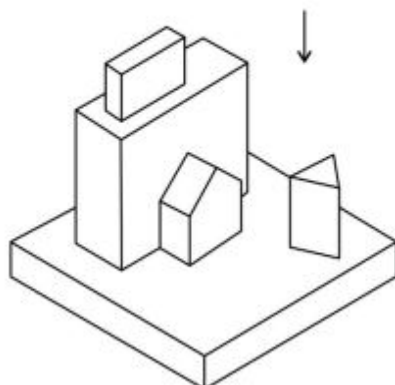


36669424318.

Question Number : 77 Question Id : 3666947670 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

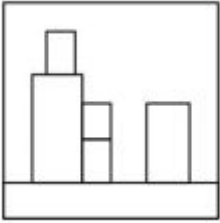
Correct Marks : 4 Wrong Marks : 1

प्रश्न में एक 3D दृश्य दर्शाया गया है। उत्तर विकल्पों में से, तीर की दिशा में देखते हुये ऊपरी दृश्य का विकल्प चुनिए।

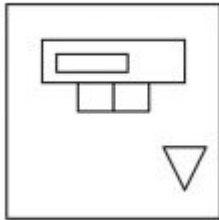


Options :

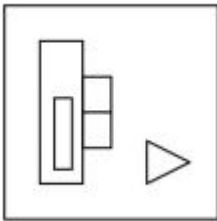
36669424315.



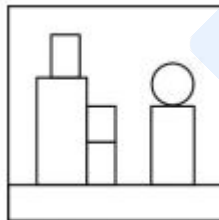
36669424316.



36669424317.



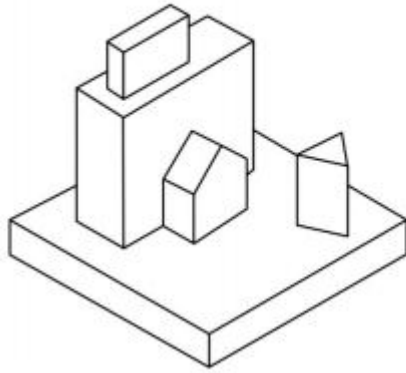
36669424318.



Question Number : 78 Question Id : 3666947671 Question Type : MCQ Option Shuffling : Yes 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 number of surfaces in the problem figure.



Options :

36669424319. 24

36669424320. 25

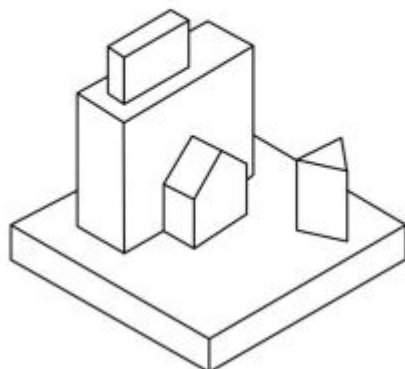
36669424321. 23

36669424322. 20

Question Number : 78 Question Id : 3666947671 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्रश्न चित्र में पृष्ठों की संख्या ज्ञात कीजिए।



36669424319. 24

36669424320. 25

36669424321. 23

36669424322. 20

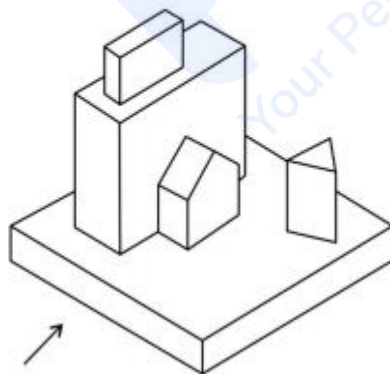
Question Number : 79 Question Id : 3666947672 Question Type : MCQ Option Shuffling : Yes Is

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

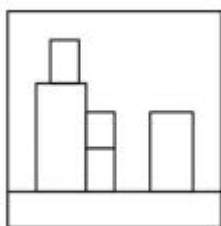
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

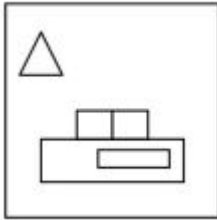
The question figure shows 3D view of an object. Identify the most appropriate elevation of the given 3D object, looking in the direction of an arrow, from the given answer figures.



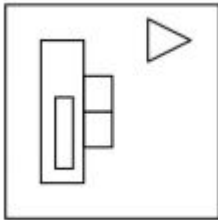
Options :



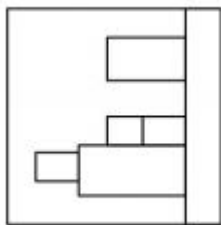
36669424323.



36669424324.



36669424325.

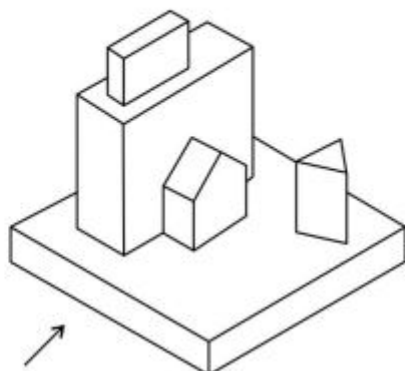


36669424326.

Question Number : 79 Question Id : 3666947672 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

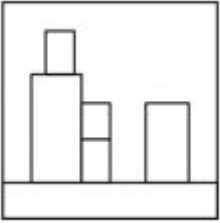
Correct Marks : 4 Wrong Marks : 1

प्रश्न में किसी वस्तु का 3D दर्शाया गया है। तीर की दिशा में देखते हुये, दिये गये विकल्पों में सही विकल्प चुनिए।

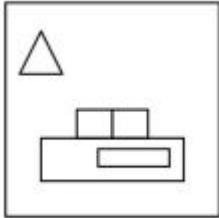


Options :

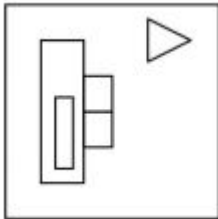
36669424323.



36669424324.



36669424325.

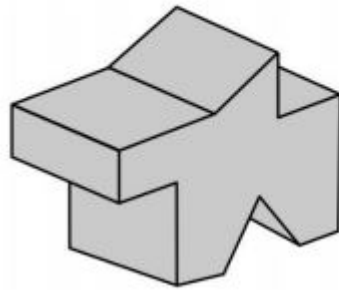


36669424326.



**Question Number : 80 Question Id : 3666947673 Question Type : MCQ Option Shuffling : Yes 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 out the total number of surfaces of the 3D object.



Options :

36669424327. 12

36669424328. 13

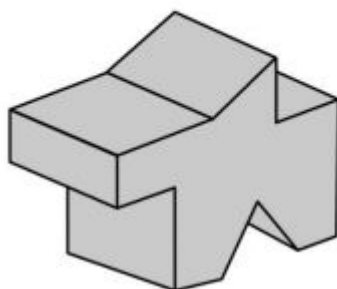
36669424329. 14

36669424330. 15

Question Number : 80 Question Id : 3666947673 Question Type : MCQ Option Shuffling : Yes 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 वस्तु में पृष्ठों की संख्या ज्ञात कीजिए।



Options :

36669424327. 12

36669424329. 14

36669424330. 15

Planning

Section Id :	366694440
Section Number :	4
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	25
Number of Questions to be attempted :	25
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	366694440
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 81 Question Id : 3666947674 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

GIS as a tool used for spatial connectedness for

36669424331. Topology

36669424332. Topography

36669424333. Ecology

36669424334. Climatology

Question Number : 81 Question Id : 3666947674 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

GIS सक यंत्र है जो स्पेशियल कनेक्टेडनेस के लिये किसमें उपयोग होता है?

Options :

36669424331. टोपोलोजी

36669424332. टोपोग्राफी

36669424333. इकोलॉजी

36669424334. क्लाइमेटोलॉजी

Question Number : 82 Question Id : 3666947675 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Smart city scheme has been launched in which year?

Options :

36669424335. 2012

36669424336. 2016

36669424337. 2015

36669424338. 2014

Question Number : 82 Question Id : 3666947675 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

स्मार्ट सिटी योजना किस वर्ष में आई थी?

Options :

36669424335. 2012

36669424336. 2016

36669424337. 2015

36669424338. 2014

Question Number : 83 Question Id : 3666947676 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

With reference to the area which one among the following is the largest?

Options :

36669424339. Zonal Plan

36669424340. Master Plan

36669424341. Regional Plan

36669424342. Layout Plan

Question Number : 83 Question Id : 3666947676 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन क्षेत्र के आधार पर सबसे बड़ा है?

Options :

36669424339. ज़ोनल प्लान

36669424340. मास्टर प्लान

36669424341. रीजनल प्लान

36669424342. लेआउट प्लान

Question Number : 84 Question Id : 3666947677 Question Type : MCQ Option Shuffling : Yes 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: Full form of NFDB is “National Fisheries Development Board”.

Statement II: Full form of NFDB is “National Forest Development & Board.

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

Options :

36669424343. Both Statement I and Statement II are true

36669424344. Both Statement I and Statement II are false

36669424345. Statement I is true but Statement II is false

36669424346. Statement I is false but Statement II is true

Question Number : 84 Question Id : 3666947677 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

कथन I: NFDB का पूर्ण रूप “नेशनल फिशरीज डवलपमेन्ट बोर्ड” है।

कथन II : NFDB का पूर्ण रूप “नेशनल फारेस्ट डवलपमेन्ट बोर्ड” है।

कथनों के आधार पर सही विकल्प

36669424343. दोनों कथन सत्य है।

36669424344. दोनों कथन असत्य है।

36669424345. कथन I सत्य व कथन II असत्य है।

36669424346. कथन I असत्य व कथन II सत्य है।

Question Number : 85 Question Id : 3666947678 Question Type : MCQ Option Shuffling : Yes 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 Gandhian plan was presented by

Options :

36669424347. Sriman Narayan Agarwal

36669424348. J.L. Nehru

36669424349. M.M. Roy

36669424350. P.V. Narasimha Rao

Question Number : 85 Question Id : 3666947678 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

गांधीयन प्लान किसके द्वारा प्रस्तुत किया गया था?

Options :

36669424347. श्रीमन नारायण

36669424348. जे.एल.नेहरु

36669424349. एम.एम. रॉय

36669424350. पी.वी. नरसिम्हा राव

Question Number : 86 Question Id : 3666947679 Question Type : MCQ Option Shuffling : Yes 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 5 year plan, the growth, social justice and equality was focused.

- (A) Second Five year plan
- (B) Ninth Five year plan
- (C) Third Five year plan
- (D) Fourth Five year plan

Choose the correct answer from the options given below:

Options :

36669424351. A only

36669424352. B and D

36669424353. B only

36669424354. C only

Question Number : 86 Question Id : 3666947679 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

किस पंचवर्षीय योजना में वृद्धि, समाजिक इंसाफ एवं समानता आयी थी?

(अ) 2 पंचवर्षीय योजना

(ब) 9 पंचवर्षीय योजना

(स) 3 पंचवर्षीय योजना

(द) 4 पंचवर्षीय योजना

सही विकल्प चुनें :

Options :

36669424351. A केवल

36669424352. B एवं D

36669424353. B केवल

36669424354. C केवल

Question Number : 87 Question Id : 3666947680 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Options :

36669424355. Charles Corea

36669424356. Ebenezer Howard

36669424357. Le-Corbusier

36669424358. Homer Hoyt

Question Number : 87 Question Id : 3666947680 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

शहरी भूमि विकास में सेक्टर थ्योरी मॉडल किसने दिया था?

Options :

36669424355. चार्ल्स कोरिया

36669424356. एबेनज़र हॉवर्ड

36669424357. ली-कॉर्बुज़ियर

36669424358. होमर होयट

Question Number : 88 Question Id : 3666947681 Question Type : MCQ Option Shuffling : Yes 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 was the first Deputy Chairman of Planning Commission?

Options :

36669424359. Gulzarilal Nanda

36669424360. Sriman Narayan

36669424361. M.M. Roy

36669424362. P.V. Narasimha Rao

Question Number : 88 Question Id : 3666947681 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्लानिंग कमीशन के पहले डिप्युटी चेयरमैन कौन थे?

Options :

36669424359. गुलजारी लाल नन्द

36669424360. श्रीमन नारायण

36669424361. एम.एम. रॉय

36669424362. पी.वी. नरसिम्हा राव

Question Number : 89 Question Id : 3666947682 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Grand Innovation Challenge was launched by:-

Options :

36669424363. "NITI" Aayog

36669424364. Finance Commission

36669424365. Planning Commission

36669424366. National Planning Committee

Question Number : 89 Question Id : 3666947682 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ग्रैंड इनोवेशन चैलेंज किसने शुरू किया?

Options :

36669424363. नीति आयोग

36669424364. आर्थिक परिषद

36669424365. प्लानिंग परिषद

36669424366. राष्ट्रीय प्लानिंग परिषद

Question Number : 90 Question Id : 3666947683 Question Type : MCQ Option Shuffling : Yes 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 father of Indian Planning.

Options :

36669424367. Jawaharlal Nehru

36669424368. M.K. Gandhi

36669424369. Sir M. Vishveshwariah

36669424370. B.R. Ambedkar

Question Number : 90 Question Id : 3666947683 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

भारतीय नियोजन के जनक कौन है?

Options :

36669424367. जे.एल. नेहरु

36669424368. एम.के. गाँधी

36669424369. सर एम विश्वेसरइया

36669424370. बी.आर. अम्बेडकर

Question Number : 91 Question Id : 3666947684 Question Type : MCQ Option Shuffling : Yes 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 master plan, a zone is shown in yellow colour. What is the land use of that zone?

Options :

36669424371. Residential

36669424372. Commercial

36669424373. Industrial

36669424374. Water Bodies

Question Number : 91 Question Id : 3666947684 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

मास्टर प्लान में किसी ज़ोन को पीले रंग से दर्शाया गया है। उस ज़ोन का भू-उपयोग क्या है ?

Options :

36669424372. वाणिज्यिक

36669424373. औद्योगिक

36669424374. वाटर बॉडीज

Question Number : 92 Question Id : 3666947685 Question Type : MCQ Option Shuffling : Yes 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 master plan by which color, we show the industrial land use.

Options :

36669424375. Purple

36669424376. Grey

36669424377. Red

36669424378. Green

Question Number : 92 Question Id : 3666947685 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Options :

36669424375. बैंगनी

36669424376. ग्रे

36669424377. लाल

36669424378. हरा

Question Number : 93 Question Id : 3666947686 Question Type : MCQ Option Shuffling : Yes 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 book "Image of the City" is written by

Options :

36669424379. Christopher Alexander

36669424380. Kevin Lynch

36669424381. Oxford Newman

36669424382. Gordon Cullen

Question Number : 93 Question Id : 3666947686 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

“इमेज ऑफ द सिटी” किताब किसने लिखी है?

Options :

36669424379. क्रिस्टोफर एलेक्सजेण्डर

36669424380. केविन लिंग

36669424381. ऑक्सफोर्ड न्यूमन

36669424382. गोर्डन कलन

Question Number : 94 Question Id : 3666947687 Question Type : MCQ Option Shuffling : Yes 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) Carpet Area	(I) Built up area plus proportionate area of common areas
(B) Super built up Area	(II) Usable Area
(C) Set Back Area	(III) Entire carpet area plus external wall.
(D) Plinth Area	(IV) Minimum open space around the building

Choose the correct answer from the options given below:

Options :

36669424383. (A) – III, (B) – I, (C) – IV, (D) – II

36669424384. (A) – IV, (B) – II, (C) – I, (D) – III

36669424385. (A) – II, (B) – I, (C) – IV, (D) – III

36669424386. (A) – II, (B) – IV, (C) – III, (D) – I

Question Number : 94 Question Id : 3666947687 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I व सूची II को मिलाए

समूह I	समूह II
A. कार्पेट एरीया	(I) Built up area plus proportionate area of common areas
B. सूपर बिल्टप एरीया	(II) Usable Area
C. सेट बाक एरीया	(III) Entire carpet area plus external wall.
D. प्लिंथ एरीया	(IV) Minimum open space around the building

सही विकल्प चुनें

Options :

36669424383. (A) – III, (B) – I, (C) – IV, (D) – II

36669424384. (A) – IV, (B) – II, (C) – I, (D) – III

36669424385. (A) – II, (B) – I, (C) – IV, (D) – III

36669424386. (A) – II, (B) – IV, (C) – III, (D) – I

Question Number : 95 Question Id : 3666947688 Question Type : MCQ Option Shuffling : Yes 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) Kolkata	(I) Radial
(B) Delhi	(II) Linear
(C) Chandigarh	(III) Organic
(D) Varanasi	(IV) Grid Iron

Choose the correct answer from the options given below:

Options :

36669424387. (A) – II, (B) – I, (C) – III, (D) – IV

36669424388. (A) – I, (B) – III, (C) – II, (D) – IV

36669424389. (A) – II, (B) – I, (C) – IV, (D) – III

36669424390. (A) – III, (B) – IV, (C) – I, (D) – II

Question Number : 95 Question Id : 3666947688 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I

सूची II

A. कलकत्ता

I. रेडियल

B. दिल्ली

II. लिनियर

C. चंडीगढ़

III. ओर्गेनिक

D. बनारस

IV. ग्रिड आयरन

सही विकल्प चुनें

Options :

36669424387. (A) – II, (B) – I, (C) – III, (D) – IV

36669424388. (A) – I, (B) – III, (C) – II, (D) – IV

36669424389. (A) – II, (B) – I, (C) – IV, (D) – III

36669424390. (A) – III, (B) – IV, (C) – I, (D) – II

Question Number : 96 Question Id : 3666947689 Question Type : MCQ Option Shuffling : Yes 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 year, HRIDAY Launched?

Options :

36669424391. 2014

36669424392. 2012

36669424394. 2011

Question Number : 96 Question Id : 3666947689 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

HRIDAY किस वर्ष में शुरू हुआ?

Options :

36669424391. 2014

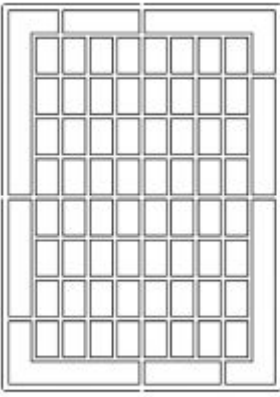
36669424392. 2012

36669424393. 2015

36669424394. 2011

Question Number : 97 Question Id : 3666947690 Question Type : MCQ Option Shuffling : Yes 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 type of plan is this?

Options :

36669424395. Dandaka

36669424396. Chaturmukha

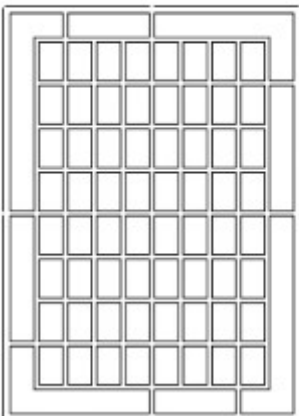
36669424397. Padmaka

36669424398. Karmukha

Question Number : 97 Question Id : 3666947690 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ये किस तरह का नियोजन है?



Options :

36669424396. चतुर्मुखा

36669424397. पद्मका

36669424398. कर्मुखा

Question Number : 98 Question Id : 3666947691 Question Type : MCQ Option Shuffling : Yes 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 roman "FORUM" is also referred as:

Options :

36669424399. River

36669424400. Building

36669424401. Park

36669424402. Market Place

Question Number : 98 Question Id : 3666947691 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Options :

36669424399. नदी

36669424400. भवन

36669424401. पार्क

36669424402. बाजार

Question Number : 99 Question Id : 3666947692 Question Type : MCQ Option Shuffling : Yes 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 all the directions are changed in the manner that North becomes South and Vice-Versa, then North-West will be

Options :

36669424403. South-East

36669424404. North-East

36669424405. South-West

36669424406. North-West

Question Number : 99 Question Id : 3666947692 Question Type : MCQ Option Shuffling : Yes Is**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

Correct Marks : 4 Wrong Marks : 1

यदि सभी दिशाओं को बदल दिया जाये कि उत्तर-दक्षिण हो जाये और इसका विपरीत, तो उत्तर-पश्चिम होगा।

Options :

36669424403. दक्षिण - पूर्व

36669424404. उत्तर - पूर्व

36669424405. दक्षिण - पश्चिम

36669424406. उत्तर - पश्चिम

Question Number : 100 Question Id : 3666947693 Question Type : MCQ Option Shuffling : Yes

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

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Inspector Shyam started from Police Station on inspection. After travelling straight for a distance of four (4) KM, he turned left for market and travelled straight 600 meters. He now turned left again and travelled straight for another 200 meters, and turned left and travelled straight for 600 meters. How far is Shyam from Police Station?

Options :

36669424407. 3.4 Km

36669424408. 4.8 Km

36669424409. 3.8 Km

36669424410. 4.4 Km

Question Number : 100 Question Id : 3666947693 Question Type : MCQ Option Shuffling : Yes

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

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

इंसपेक्टर श्याम ने पुलिस थाने से शुरू किया। सीधे 4 कि मी. यात्रा करने के बाद, वे बायें मुड़े बाजार के लिये और सीधे 600 मी. चले। अब वे फिर से बायें मुड़े एवं सीधे 200 मी. चले एवं बायें मुड़े एवं 600 मी. चले। श्याम पुलिस थाने से कितने दूर है?

Options :

36669424407. 3.4 कि मी.

36669424408. 4.8 कि मी.

36669424409. 3.8 कि मी.

36669424410. 4.4 कि मी.

Question Number : 101 Question Id : 3666947694 Question Type : MCQ Option Shuffling : Yes

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 highest body which approves five year plans of India is:

Options :

36669424411. Parliament

36669424412. Planning Commission

36669424413. Union Cabinet

36669424414. National Development Council

Question Number : 101 Question Id : 3666947694 Question Type : MCQ Option Shuffling : Yes

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

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सर्वोच्च संस्था जो पंच वर्षीय योजना स्वीकृत करती है?

Options :

36669424411. पार्लियामेन्ट

36669424412. प्लानिंग कमीशन

36669424413. यूनियन केबिनेट

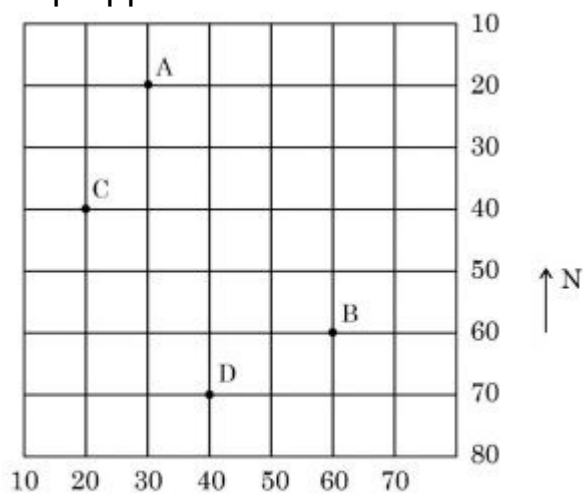
36669424414. नेशनल डवलपमेन्ट काउंसिल

Question Number : 102 Question Id : 3666947695 Question Type : MCQ Option Shuffling : Yes

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, from A point to C point, how much you have to move

Options :

36669424415. 20

36669424416. 30

36669424417. 10

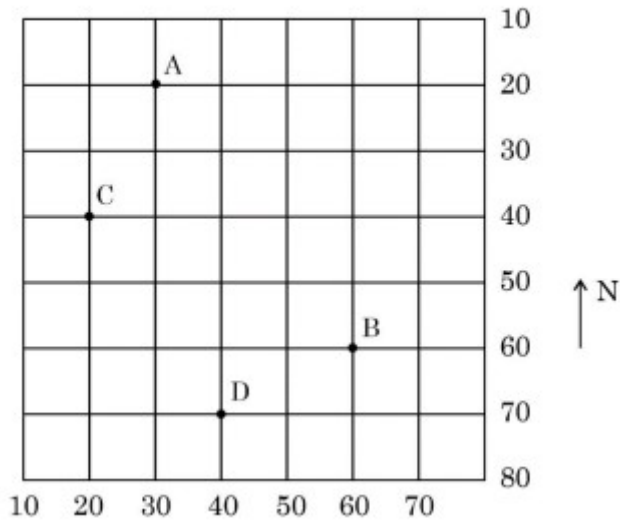
36669424418. 40

Question Number : 102 Question Id : 3666947695 Question Type : MCQ Option Shuffling : Yes

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

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

**Options :**

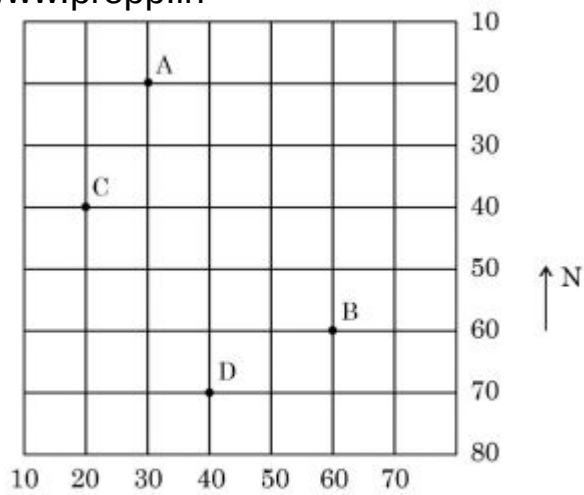
36669424415. 20

36669424416. 30

36669424417. 10

36669424418. 40

Question Number : 103 Question Id : 3666947696 Question Type : MCQ Option Shuffling : Yes**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, from point C to point B, which direction you have to move

Options :

36669424419. East – North

36669424420. North – South

36669424421. South – East

36669424422. West – South

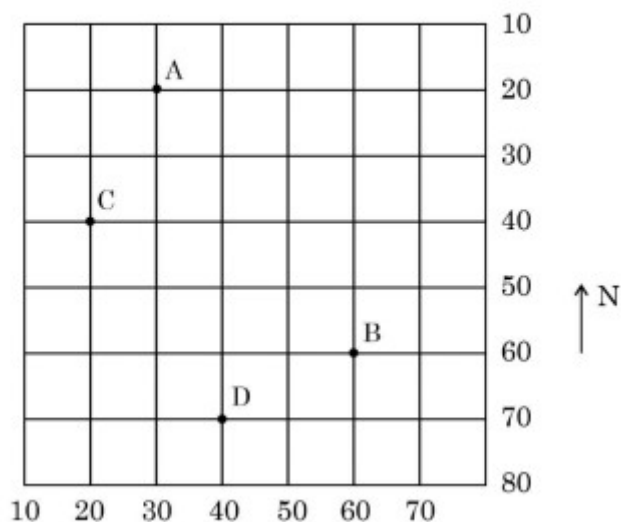
Question Number : 103 Question Id : 3666947696 Question Type : MCQ Option Shuffling : Yes

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

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

चित्र में बिन्दु C से बिन्दु B किस दिशा में जाना होगा?



Options :

36669424419. पूर्व - उत्तर

36669424420. उत्तर - दक्षिण

36669424421. दक्षिण - पूर्व

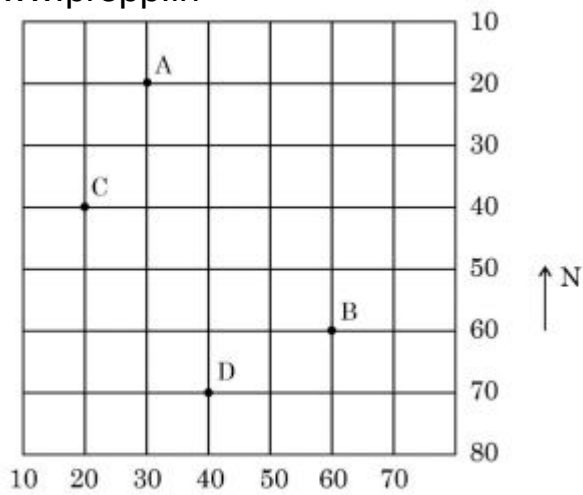
36669424422. पश्चिम - दक्षिण

Question Number : 104 Question Id : 3666947697 Question Type : MCQ Option Shuffling : Yes

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

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



With the reference to the diagram, choose the correct statement.

Options :

36669424423. The distance from B to D is 20

36669424424. The distance from B to D is 10

36669424425. The distance from B to C is 10

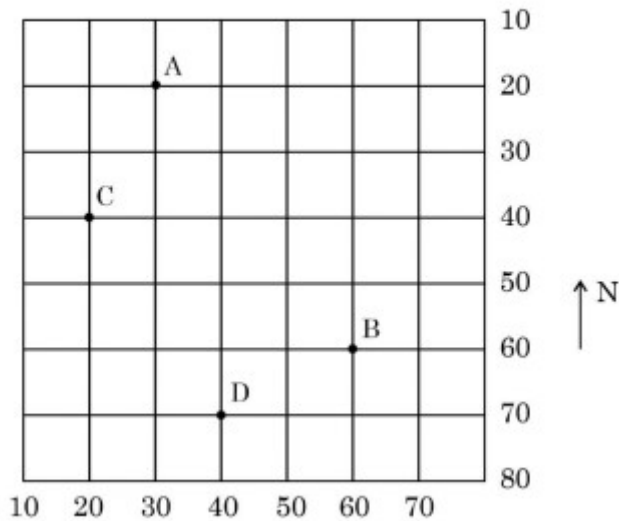
36669424426. The distance from B to D is 30

Question Number : 104 Question Id : 3666947697 Question Type : MCQ Option Shuffling : Yes

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

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



Options :

36669424423. B से D की दूरी 20 है।

36669424424. B से D की दूरी 10 है।

36669424425. B से C की दूरी 10 है।

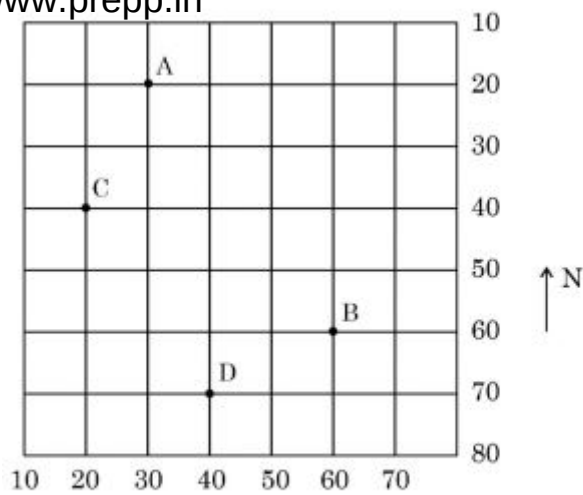
36669424426. B से D की दूरी 30 है।

Question Number : 105 Question Id : 3666947698 Question Type : MCQ Option Shuffling : Yes

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, northern most point is

Options :

36669424427. C only

36669424428. D only

36669424429. B only

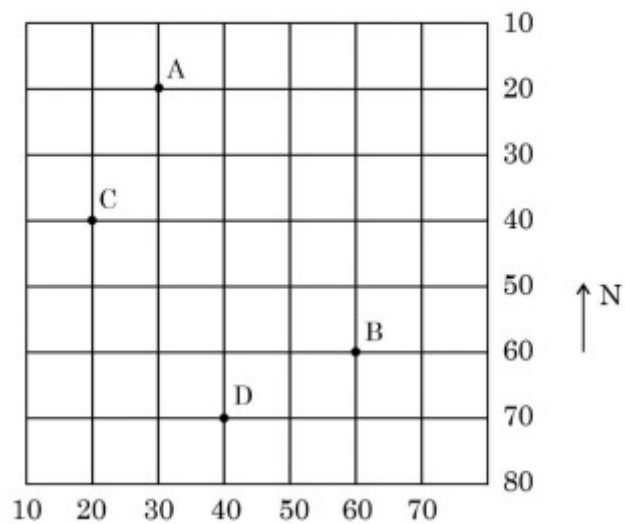
36669424430. A only

Question Number : 105 Question Id : 3666947698 Question Type : MCQ Option Shuffling : Yes

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

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



Options :

36669424427. केवल C

36669424428. केवल D

36669424429. केवल B

36669424430. केवल A