

National Testing Agency

Question Paper Name :	B Arch 24th Jan 2024 Shift 2
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B. Arch

Group Number :	1
Group Id :	4058593
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 :	40585910
Section Number :	1

Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	80
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	40585910
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 1 Question Id : 405859213 Question Type : MCQ Option Shuffling : Yes 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 $f(x) = \sqrt{4-x^2} + \sqrt{2+x}$ is $[a, b]$, then $a^2 + 3b^2$ is equal to

Options :

405859781. 4

405859782. 8

405859783. 12

405859784. 16

Question Number : 1 Question Id : 405859213 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$f(x) = \sqrt{4-x^2} + \sqrt{2+x}$ का प्रांत $[a, b]$ है, तो $a^2 + 3b^2$ बराबर है:

Options :

405859781. 4

405859782. 8

405859783. 12

405859784. 16

Question Number : 2 Question Id : 405859214 Question Type : MCQ Option Shuffling : Yes 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 $\mathbb{R}$ denote the set of real numbers, $\mathbb{Z}$ the set of integers and $\mathbb{W}$ the set of Non-negative integers, and define a map

(i) $f_1 : \mathbb{Z} \rightarrow \mathbb{Z}$ by $f_1(x) = x^3$. Then f_1 is one-one and not onto.

(ii) $f_2 : \mathbb{R} \rightarrow \mathbb{R}$ by $f_2(x) = x^3$. Then f_2 is one-one and onto.

(iii) $f_3 : \mathbb{Z} \rightarrow \mathbb{W}$ by $f_3(x) = |x|$. Then f_3 is not one-one but is onto.

(iv) $f_4 : \mathbb{Z} \rightarrow \mathbb{Z}$ by $f_4(x) = x^2$. Then f_4 is neither one-one nor onto.

Then which of the following options is correct?

Options :

405859785. (i), (iii), (iv) are true but (ii) is false

405859786. All are true

405859787. (ii), (iii) and (iv) are true but (i) is false

405859788. (i), (ii) and (iv) are true but (iii) is false

Question Number : 2 Question Id : 405859214 Question Type : MCQ Option Shuffling : Yes 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 $\mathbb{R}$ वास्तविक संख्याओं का समुच्चय है, $\mathbb{Z}$ पूर्णाकों का समुच्चय है तथा $\mathbb{W}$ ऋणेत्तर पूर्णाकों का समुच्चय है। यदि

(i) $f_1 : \mathbb{Z} \rightarrow \mathbb{Z}, f_1(x) = x^3$ है, तो f_1 एकैकी है पर आच्छादक नहीं है।

(ii) $f_2 : \mathbb{R} \rightarrow \mathbb{R}, f_2(x) = x^3$ है, तो f_2 एकैकी तथा आच्छादक है।

(iii) $f_3 : \mathbb{Z} \rightarrow \mathbb{W}, f_3(x) = |x|$ है, तो f_3 एकैकी नहीं है पर आच्छादक है।

(iv) $f_4 : \mathbb{Z} \rightarrow \mathbb{Z}, f_4(x) = x^2$ है, तो f_4 न तो एकैकी है न ही आच्छादक है।

तो :

Options :

405859785. (i), (iii), (iv) सत्य है, परंतु (ii) असत्य है

405859786. सभी सत्य है

405859787. (ii), (iii) तथा (iv) सत्य हैं, परंतु (i) असत्य है

405859788. (i), (ii) तथा (iv) सत्य हैं परंतु (iii) असत्य है

Question Number : 3 Question Id : 405859215 Question Type : MCQ Option Shuffling : Yes 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 $\frac{\sqrt{5+12i} + \sqrt{5-12i}}{\sqrt{5+12i} - \sqrt{5-12i}} = a + bi$, then $a - b$ is :

Options :

405859789. $\frac{5}{6}$

405859790. $-\frac{5}{12}$

405859791. $\frac{3}{2}$

405859792. $\frac{5}{12}$

Question Number : 3 Question Id : 405859215 Question Type : MCQ Option Shuffling : Yes 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 $\frac{\sqrt{5+12i} + \sqrt{5-12i}}{\sqrt{5+12i} - \sqrt{5-12i}} = a + bi$ है, तो $a - b$ बराबर है :

Options :

405859789. $\frac{5}{6}$

405859790. $-\frac{5}{12}$

405859791. $\frac{3}{2}$

405859792. $\frac{5}{12}$

Question Number : 4 Question Id : 405859216 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let A be a 3×3 matrix such that $\text{adj}(A) = \begin{bmatrix} 25 & 0 & 100 \\ 0 & 4 & 3 \\ 0 & 100 & 100 \end{bmatrix}$, then determinant of A is

Options :

405859793. 25

405859794. 50

405859795. 100

405859796. 1000

Question Number : 4 Question Id : 405859216 Question Type : MCQ Option Shuffling : Yes 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 3×3 के एक आव्यूह A के लिए $\text{adj}(A) = \begin{bmatrix} 25 & 0 & 100 \\ 0 & 4 & 3 \\ 0 & 100 & 100 \end{bmatrix}$ है। तो A का सारणिक है:

Options :

405859793. 25

405859794. 50

405859795. 100

405859796. 1000

Question Number : 5 Question Id : 405859217 Question Type : MCQ Option Shuffling : Yes 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 total number of times the digit 3 will be written when listing integers from 1 to 1000 is

Options :

405859797. 297

405859798. 243

405859799. 273

405859800. 300

Question Number : 5 Question Id : 405859217 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

1 से 1000 तक पूर्णांकों को लिखने पर, अंक 3 कुल कितनी बार लिखा जायेगा ?

Options :

405859797. 297

405859798. 243

405859799. 273

405859800. 300

Question Number : 6 Question Id : 405859218 Question Type : MCQ Option Shuffling : Yes 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 coefficient of x^{24} in $(1 + x^2)^{12} (1 + x^{12}) (1 + x^{24})$ is

Options :

405859801. ${}^{12}C_6 + 3$

405859802. ${}^{12}C_6$

405859803. ${}^{12}C_6 + 1$

405859804. ${}^{12}C_6 + 2$

Question Number : 6 Question Id : 405859218 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$(1 + x^2)^{12} (1 + x^{12}) (1 + x^{24})$ में x^{24} का गुणांक है:

Options :

405859801. ${}^{12}C_6 + 3$

405859802. ${}^{12}C_6$

405859803. ${}^{12}C_6 + 1$

405859804. $^{12}\text{C}_6 + 2$

Question Number : 7 Question Id : 405859219 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Sum to n terms of the series $\log_e a + \log_e \left(\frac{a^2}{b}\right) + \log_e \left(\frac{a^3}{b^2}\right) + \log_e \left(\frac{a^4}{b^3}\right) + \dots$ is

Options :

405859805. $\frac{n}{2} \left[(n+1) \log_e \left(\frac{a}{b}\right) - \log_e ab \right]$

405859806. $\frac{n}{2} \left[n \log_e \left(\frac{a}{b}\right) - \log_e ab \right]$

405859807. $\frac{n}{2} \left[\log_e \left(\frac{a}{b}\right) + n \log_e ab \right]$

405859808. $\frac{n}{2} \left[n \log_e \left(\frac{a}{b}\right) + \log_e ab \right]$

Question Number : 7 Question Id : 405859219 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

श्रेणी $\log_e a + \log_e \left(\frac{a^2}{b}\right) + \log_e \left(\frac{a^3}{b^2}\right) + \log_e \left(\frac{a^4}{b^3}\right) + \dots$ के प्रथम n पदों का योग है।

Options :

405859805. $\frac{n}{2} \left[(n+1) \log_e \left(\frac{a}{b} \right) - \log_e ab \right]$

405859806. $\frac{n}{2} \left[n \log_e \left(\frac{a}{b} \right) - \log_e ab \right]$

405859807. $\frac{n}{2} \left[\log_e \left(\frac{a}{b} \right) + n \log_e ab \right]$

405859808. $\frac{n}{2} \left[n \log_e \left(\frac{a}{b} \right) + \log_e ab \right]$

Question Number : 8 Question Id : 405859220 Question Type : MCQ Option Shuffling : Yes 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 sum of first 10 terms and first 26 terms of an A.P. are 190 and 1326 respectively, then find the sum of its first 50 terms.

Options :

405859809. 4900

405859810. 4924

405859811. 4950

405859812. 4980

Question Number : 8 Question Id : 405859220 Question Type : MCQ Option Shuffling : Yes 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 A.P. के प्रथम 10 पदों तथा प्रथम 26 पदों के योग क्रमशः 190 तथा 1326 हैं, तो इसके प्रथम 50 पदों का योग ज्ञात कीजिए ।

Options :

405859809. 4900

405859810. 4924

405859811. 4950

405859812. 4980

Question Number : 9 Question Id : 405859221 Question Type : MCQ Option Shuffling : Yes 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 $\lim_{x \rightarrow 1} \frac{x^5 - 1}{x - 1} = \lim_{x \rightarrow k} \frac{x^3 - k^3}{x^2 - k^2}$, then k is equal to

Options :

405859813. $\frac{5}{3}$

405859814. $\frac{7}{3}$

405859815. $\frac{8}{3}$

405859816. $\frac{10}{3}$

Question Number : 9 Question Id : 405859221 Question Type : MCQ Option Shuffling : Yes 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 $\lim_{x \rightarrow 1} \frac{x^5 - 1}{x - 1} = \lim_{x \rightarrow k} \frac{x^3 - k^3}{x^2 - k^2}$, तो k बराबर है ।

Options :

405859813. $\frac{5}{3}$

405859814. $\frac{7}{3}$

405859815. $\frac{8}{3}$

405859816. $\frac{10}{3}$

Question Number : 10 Question Id : 405859222 Question Type : MCQ Option Shuffling : Yes 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 $f: [0, \pi] \rightarrow \mathbb{R}$ be a function defined by $f(x) = \begin{cases} x + \sqrt{2}a \sin x, & 0 \leq x < \frac{\pi}{4} \\ 2x \cot x + b, & \frac{\pi}{4} \leq x \leq \frac{\pi}{2} \\ a \cos 2x - b \sin x, & \frac{\pi}{2} < x \leq \pi \end{cases}$

If f is continuous for $0 \leq x \leq \pi$, then $a^2 + 140b^2$ is equal to

Options :

405859817. 0

405859818. π^2

405859819. $2\pi^2$

405859820. $\frac{\pi^2}{2}$

Question Number : 10 Question Id : 405859222 Question Type : MCQ Option Shuffling : Yes 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 एक फलन $f: [0, \pi] \rightarrow \mathbb{R}$, $f(x) = \begin{cases} x + \sqrt{2}a \sin x, & 0 \leq x < \frac{\pi}{4} \\ 2x \cot x + b, & \frac{\pi}{4} \leq x \leq \frac{\pi}{2} \\ a \cos 2x - b \sin x, & \frac{\pi}{2} < x \leq \pi \end{cases}$

द्वारा परिभाषित है। यदि $0 \leq x \leq \pi$ के लिए f संतत है, तो $a^2 + 140b^2$ बराबर है।

Options :

405859817. 0

405859818. π^2

405859819. $2\pi^2$

405859820. $\frac{\pi^2}{2}$

Question Number : 11 Question Id : 405859223 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$\int \frac{dx}{\sin^2 x \cos^2 x}$ is equal to

Options :

405859821. $\tan x + \cot x + c$

405859822. $(\tan x + \cot x)^2 + c$

405859823. $\tan x - \cot x + c$

405859824. $2(\sec x \tan x - \operatorname{cosec} x \cot x) + c$

Question Number : 11 Question Id : 405859223 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$\int \frac{dx}{\sin^2 x \cos^2 x}$ बराबर है।

Options :

405859821. $\tan x + \cot x + c$

405859822. $(\tan x + \cot x)^2 + c$

405859823. $\tan x - \cot x + c$

405859824. $2(\sec x \tan x - \operatorname{cosec} x \cot x) + c$

Question Number : 12 Question Id : 405859224 Question Type : MCQ Option Shuffling : Yes 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 solution of differential equation $(x + 2y^3) \frac{dy}{dx} = y$ is

Options :

405859825. $x = y^2 + c$

405859826. $y = x^2 + c$

405859827. $x = y(y^2 + c)$

405859828. $y = x(x^2 + c)$

Question Number : 12 Question Id : 405859224 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

अवकल समीकरण $(x + 2y^3) \frac{dy}{dx} = y$ का हल है।

Options :

405859825. $x = y^2 + c$

405859826. $y = x^2 + c$

405859827. $x = y(y^2 + c)$

405859828. $y = x(x^2 + c)$

Question Number : 13 Question Id : 405859225 Question Type : MCQ Option Shuffling : Yes 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 point diametrically opposite to the point $(-1, 1)$ on the circle $x^2 + y^2 - x - 4y + 1 = 0$ is

Options :

405859829. $(-2, 5)$

405859830. $(2, -5)$

405859831. $(0, 3)$

405859832. $(2, 3)$

Question Number : 13 Question Id : 405859225 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

वृत्त $x^2 + y^2 - x - 4y + 1 = 0$ पर बिंदु $(-1, 1)$ का व्यासतः सम्मुख बिंदु है।

Options :

405859829. $(-2, 5)$

405859830. $(2, -5)$

405859831. $(0, 3)$

405859832. $(2, 3)$

Question Number : 14 Question Id : 405859226 Question Type : MCQ Option Shuffling : Yes 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 vertices of a triangle OAB are $(0, 0)$, $(a, 0)$ and $(0, b)$ respectively. The distance between its orthocentre and circumcentre is

Options :

405859833. $(a + b)$

405859834. $(a - b)$

405859835. $\frac{1}{2}\sqrt{a^2 + b^2}$

405859836. $\frac{1}{2}\sqrt{a^2 - b^2}$

Question Number : 14 Question Id : 405859226 Question Type : MCQ Option Shuffling : Yes 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 त्रिभुज OAB के शीर्ष $(0, 0)$, $(a, 0)$ तथा $(0, b)$ हैं। इसके लंबकेन्द्र तथा परिकेन्द्र के बीच दूरी है :

Options :

405859833. $(a + b)$

405859834. $(a - b)$

405859835. $\frac{1}{2}\sqrt{a^2 + b^2}$

405859836. $\frac{1}{2}\sqrt{a^2 - b^2}$

Question Number : 15 Question Id : 405859227 Question Type : MCQ Option Shuffling : Yes 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 shortest distance between the lines $\vec{r} = (\hat{i} + 2\hat{j} + 3\hat{k}) + \lambda(\hat{i} - 3\hat{j} + 2\hat{k})$ and
 $\vec{r} = (4\hat{i} + 5\hat{j} + 6\hat{k}) + \mu(2\hat{i} + 3\hat{j} + \hat{k})$ is :

Options :

405859837. $\frac{1}{19}$ units

405859838. $\sqrt{19}$ units

405859839. $\frac{3}{\sqrt{19}}$ units

405859840. $\frac{1}{\sqrt{19}}$ units

Question Number : 15 Question Id : 405859227 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

रेखाओं $\vec{r} = (\hat{i} + 2\hat{j} + 3\hat{k}) + \lambda(\hat{i} - 3\hat{j} + 2\hat{k})$ तथा $\vec{r} = (4\hat{i} + 5\hat{j} + 6\hat{k}) + \mu(2\hat{i} + 3\hat{j} + \hat{k})$ के बीच
न्यूनतम दूरी है।

Options :

405859837. $\frac{1}{19}$ इकाई

405859838. $\sqrt{19}$ इकाई

405859839.

$$\frac{3}{\sqrt{19}} \text{ इकाई}$$

$$405859840. \frac{1}{\sqrt{19}} \text{ इकाई}$$

Question Number : 16 Question Id : 405859228 Question Type : MCQ Option Shuffling : Yes 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 projection vector of $\vec{a} = \hat{i} - 3\hat{j} - 3\hat{k}$ on $\vec{b} = 3\hat{i} - 4\hat{j}$ is

Options :

$$405859841. \frac{9}{5}\hat{i} - \frac{12}{5}\hat{j}$$

$$405859842. \frac{3}{\sqrt{19}}\hat{i} - \frac{4}{\sqrt{19}}\hat{j}$$

$$405859843. \frac{12}{5}\hat{i} - \frac{36}{5}\hat{j} - \frac{36}{5}\hat{k}$$

$$405859844. 9\hat{i} - 12\hat{j}$$

Question Number : 16 Question Id : 405859228 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$\vec{b} = 3\hat{i} - 4\hat{j}$ पर $\vec{a} = \hat{i} - 3\hat{j} - 3\hat{k}$ का प्रक्षेप सदिश है।

Options :

$$405859841.$$

$$\frac{9}{5}\hat{i} - \frac{12}{5}\hat{j}$$

405859842. $\frac{3}{\sqrt{19}}\hat{i} - \frac{4}{\sqrt{19}}\hat{j}$

405859843. $\frac{12}{5}\hat{i} - \frac{36}{5}\hat{j} - \frac{36}{5}\hat{k}$

405859844. $9\hat{i} - 12\hat{j}$

Question Number : 17 Question Id : 405859229 Question Type : MCQ Option Shuffling : Yes 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 $|\vec{a}| = |\vec{b}| = 1$ and $|\vec{a} + \vec{b}| = \sqrt{3}$. If $\vec{c}$ is a vector such that $\vec{c} - \vec{a} - 2\vec{b} = 3(\vec{a} \times \vec{b})$, then $\vec{c} \cdot \vec{b}$ is equal to

Options :

405859845. $-\frac{1}{2}$

405859846. $\frac{1}{2}$

405859847. $\frac{3}{2}$

405859848. $\frac{5}{2}$

Question Number : 17 Question Id : 405859229 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$|\vec{a}| = |\vec{b}| = 1$ तथा $|\vec{a} + \vec{b}| = \sqrt{3}$ दिए गए हैं। यदि एक सदिश $\vec{c}$ के लिए

$\vec{c} - \vec{a} - 2\vec{b} = 3(\vec{a} \times \vec{b})$ है, तो $\vec{c} \cdot \vec{b}$ बराबर हैं।

Options :

405859845. $-\frac{1}{2}$

405859846. $\frac{1}{2}$

405859847. $\frac{3}{2}$

405859848. $\frac{5}{2}$

Question Number : 18 Question Id : 405859230 Question Type : MCQ Option Shuffling : Yes 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 and B are two events such that $P(A \cup B) = \frac{5}{8}$ and $P(A' \cup B') = \frac{3}{4}$, then

$P(A') + P(B') =$

Options :

405859849. $\frac{1}{8}$

405859850. $\frac{3}{8}$

405859851. $\frac{9}{8}$

405859852. $\frac{11}{8}$

Question Number : 18 Question Id : 405859230 Question Type : MCQ Option Shuffling : Yes 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 दो घटनाओं A तथा B के लिए $P(A \cup B) = \frac{5}{8}$ तथा $P(A' \cup B') = \frac{3}{4}$ हैं, तो $P(A') + P(B')$
=

Options :

405859849. $\frac{1}{8}$

405859850. $\frac{3}{8}$

405859851. $\frac{9}{8}$

405859852. $\frac{11}{8}$

Question Number : 19 Question Id : 405859231 Question Type : MCQ Option Shuffling : Yes 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 value of $\sec 15^\circ - \sqrt{3} \operatorname{cosec} 15^\circ$ is

Options :

405859853. $4\sqrt{2}$

405859854. $3\sqrt{3}$

405859855. $-3\sqrt{3}$

405859856. $-4\sqrt{2}$

Question Number : 19 Question Id : 405859231 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$\sec 15^\circ - \sqrt{3} \operatorname{cosec} 15^\circ$ का मान है।

Options :

405859853. $4\sqrt{2}$

405859854. $3\sqrt{3}$

405859855. $-3\sqrt{3}$

405859856. $-4\sqrt{2}$

Question Number : 20 Question Id : 405859232 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

$\cot^{-1} 7 + \cot^{-1} 8 + \cot^{-1} 5 =$

Options :

405859857. $\cot^{-1}2$

405859858. $\cot^{-1}10$

405859859. $\cot^{-1}6$

405859860. $\cot^{-1}4$

**Question Number : 20 Question Id : 405859232 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

$\cot^{-1}7 + \cot^{-1}8 + \cot^{-1}5 =$

Options :

405859857. $\cot^{-1}2$

405859858. $\cot^{-1}10$

405859859. $\cot^{-1}6$

405859860. $\cot^{-1}4$

Mathematics Section B

Section Id : 40585911

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 :	40585911
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 21 Question Id : 405859233 Question Type : SA Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let α and β be the roots of the equation $x^2 - 6x - 2 = 0$, with $\alpha > \beta$. If $a_n = \alpha^n - \beta^n$ for $n \geq 1$, then the value of $\frac{a_{10} - 2a_8}{3a_9}$ is equal to _____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 21 Question Id : 405859233 Question Type : SA Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

माना समीकरण $x^2 - 6x - 2 = 0$ के मूल α तथा β हैं तथा $\alpha > \beta$ है। यदि $a_n = \alpha^n - \beta^n$, $n \geq 1$ है, तो $\frac{a_{10} - 2a_8}{3a_9}$ का मान बराबर _____ है।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 22 **Question Id :** 405859234 **Question Type :** SA **Calculator :** None **Response**

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

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

If α, β, γ are the angles of a triangle, then the value of the determinant

$$\begin{vmatrix} \cot \alpha & \cot \beta & \cot \gamma \\ 1 & 1 & 1 \\ \sin^2 \alpha & \sin^2 \beta & \sin^2 \gamma \end{vmatrix} \text{ is equal to } \underline{\hspace{2cm}}$$

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 22 **Question Id :** 405859234 **Question Type :** SA **Calculator :** None **Response**

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

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

यदि α, β, γ एक त्रिभुज के कोण हैं, तो सारणिक $\begin{vmatrix} \cot \alpha & \cot \beta & \cot \gamma \\ 1 & 1 & 1 \\ \sin^2 \alpha & \sin^2 \beta & \sin^2 \gamma \end{vmatrix}$ का मान बराबर है ।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 23 **Question Id :** 405859235 **Question Type :** SA **Calculator :** None **Response**

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

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

If r^{th} term in the expansion of $\left(\sqrt[3]{\frac{a}{b}} + \sqrt{\frac{b}{3a}}\right)^{21}$ contains equal powers of a and b ,
then value of r is _____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 23 **Question Id :** 405859235 **Question Type :** SA **Calculator :** None **Response**

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

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

यदि $\left(\sqrt[3]{\frac{a}{b}} + \sqrt{\frac{b}{3a}}\right)^{21}$ के प्रसार में $r^{\text{वें}}$ पद में a तथा b के घात बराबर है, तो r का मान
है _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 24 Question Id : 405859236 Question Type : SA Calculator : None Response

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

Correct Marks : 4 Wrong Marks : 1

If $y = \tan^{-1}\left(\frac{3x}{1+54x^2}\right) + \tan^{-1}\left(\frac{3x}{1+18x^2}\right)$, then $\frac{dy}{dx}$ at $x = 0$ is _____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 24 Question Id : 405859236 Question Type : SA Calculator : None Response

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

Correct Marks : 4 Wrong Marks : 1

यदि $y = \tan^{-1}\left(\frac{3x}{1+54x^2}\right) + \tan^{-1}\left(\frac{3x}{1+18x^2}\right)$ है, तो $x = 0$ पर $\frac{dy}{dx}$ बराबर है _____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 25 Question Id : 405859237 Question Type : SA Calculator : None Response

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

Correct Marks : 4 Wrong Marks : 1

The value of $\int_1^5 f(x) dx$, where $f(x) = |x - 1| + |x - 2| + |x - 3|$ is _____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 25 Question Id : 405859237 Question Type : SA Calculator : None Response

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

Correct Marks : 4 Wrong Marks : 1

$\int_1^5 f(x) dx$, जहाँ $f(x) = |x - 1| + |x - 2| + |x - 3|$ है, का मान है _____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 26 Question Id : 405859238 Question Type : SA Calculator : None Response

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

Correct Marks : 4 Wrong Marks : 1

Let $y = y(x)$ be the solution of differential equation $\sin x \frac{dy}{dx} + y \cos x = 4x$. If

$y\left(\frac{\pi}{2}\right) = 0$ and $y\left(-\frac{\pi}{6}\right) = \frac{\alpha}{\beta} \pi^2$, where α and β are co-prime numbers, then value of $(\alpha + \beta)$ is _____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 26 **Question Id :** 405859238 **Question Type :** SA **Calculator :** None **Response**

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

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

माना अवकल समीकरण $\sin x \frac{dy}{dx} + y \cos x = 4x$ का हल $y = y(x)$ है। यदि $y\left(\frac{\pi}{2}\right) = 0$

तथा $y\left(-\frac{\pi}{6}\right) = \frac{\alpha}{\beta} \pi^2$ हैं, जहाँ α तथा β असहभाज्य संख्याएँ हैं, तो $(\alpha + \beta)$ का मान है

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 27 **Question Id :** 405859239 **Question Type :** SA **Calculator :** None **Response**

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

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

Let L denote the line in the xy -plane with x and y intercepts as 2 and 1 respectively.

If the image of the point $(-1, -3)$ in this line is $\left(\frac{\alpha}{5}, \frac{\beta}{5}\right)$, then $\alpha + \beta$ is equal

to_____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 27 **Question Id :** 405859239 **Question Type :** SA **Calculator :** None **Response**

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

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

माना xy -समतल में x अंतःखंड 2 तथा y अंतःखंड 1 की रेखा L है। यदि इस रेखा में बिंदु $(-1, -3)$ का प्रतिबिंब $\left(\frac{\alpha}{5}, \frac{\beta}{5}\right)$ है, तो $\alpha + \beta$ बराबर है_____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 28 **Question Id :** 405859240 **Question Type :** SA **Calculator :** None **Response**

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

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

The length of projection of the line segment joining the points $(1, 0, -1)$ and $(-1, 2, 2)$ on the plane $x + 3y - 5z = 6$ is d , then find $70d^2$ _____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 28 **Question Id :** 405859240 **Question Type :** SA **Calculator :** None **Response**

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

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

बिंदुओं $(1, 0, -1)$ तथा $(-1, 2, 2)$ को मिलाने वाले रेखा खंड के समतल $x + 3y - 5z = 6$ पर प्रक्षेप की लंबाई d है, तो $70d^2$ ज्ञात कीजिए_____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 29 **Question Id :** 405859241 **Question Type :** SA **Calculator :** None **Response**

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

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

There are two bags. The first bag contains 3 white and 4 red balls and the second bag contains 4 white and 3 red balls. Two balls are drawn at random from the first bag and are put into the second bag without noticing their colours. Then two balls are drawn from the second bag. If the probability that one ball is white and the other is red is $\frac{x}{y}$, where $\frac{x}{y}$ is in the simplest form, then value of $(2x - y)$ is_____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 29 Question Id : 405859241 Question Type : SA Calculator : None Response

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

Correct Marks : 4 Wrong Marks : 1

दो थैले हैं। पहले थैले में 3 सफेद तथा 4 लाल गेंद हैं तथा दूसरे थैले में 4 सफेद तथा 3 लाल गेंद हैं। बिना रंग देखे, दो गेंद पहले थैले से यादृच्छया निकाल कर दूसरे थैले में डाल दी जाती हैं। तब दूसरे थैले से 2 गेंद निकाली जाती हैं। यदि एक गेंद के सफेद तथा दूसरी गेंद के लाल होने की प्रायिकता $\frac{x}{y}$ है, जहाँ $\frac{x}{y}$ सरलतम रूप में है, तो $(2x - y)$ का मान है _____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 30 Question Id : 405859242 Question Type : SA Calculator : None Response

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

Correct Marks : 4 Wrong Marks : 1

In a $\triangle ABC$, $\angle A = \frac{\pi}{2}$. If $\tan \frac{B}{2}$ and $\tan \frac{C}{2}$ are the roots of $2x^2 - bx - c = 0$, then what is the value of $(b - c)^3$ _____?

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Question Number : 30 Question Id : 405859242 Question Type : SA Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ΔABC , $\angle A = \frac{\pi}{2}$ है। यदि समीकरण $2x^2 - bx - c = 0$ के मूल $\tan \frac{B}{2}$ तथा $\tan \frac{C}{2}$ हैं, तो $(b - c)^3$ का मान है _____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1

Aptitude Test

Section Id :	40585912
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 :	40585912
Question Shuffling Allowed :	Yes

Is Section Default? :

null

Question Number : 31 Question Id : 405859243 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Saturation level of colors represents

Options :

405859871. Distribution

405859872. Darkness

405859873. Brilliance

405859874. Warmth

Question Number : 31 Question Id : 405859243 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

रंगों का संतृप्ति (सैचुरेशन) स्तर प्रतिनिधित्व करता है

Options :

405859871. वितरण

405859872. अंधेरापन (गहरापन)

405859873. चमक

405859874. अनुकूल बनना

Question Number : 32 Question Id : 405859244 Question Type : MCQ Option Shuffling : Yes 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 a shell structure?

Options :

405859875. Millenium dome

405859876. Stansted airport

405859877. Bank of China tower

405859878. Louvre, Museum

Question Number : 32 Question Id : 405859244 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

इनमें से कौन सा ढांचा खोल (शैल) संरचना का है?

Options :

405859875. मिलेनियम गुंबद

405859876. स्टांस्टिड एयरपोर्ट

405859877. बैंक ऑफ चाइना टावर

405859878. लाउवर म्युजियम

Question Number : 33 Question Id : 405859245 Question Type : MCQ Option Shuffling : Yes 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 building material represented in the given figure



Options :

405859879. Tile

405859880. Paving Block

405859881. Wooden Plank

405859882. Granite

Question Number : 33 Question Id : 405859245 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्रस्तुत आकृति में भवन निर्माण सामग्री के चित्रण की पहचान करें



Options :

405859879. टाइल

405859880. पेंटिंग ब्लॉक

405859881. काठ का तख्ता (प्लैंक)

405859882. ग्रेनाइट

Question Number : 34 Question Id : 405859246 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Before plastering, the surface has to be :

Options :

405859883. Cemented

405859884. Polished

405859885. Smooth

405859886. Rough

Question Number : 34 Question Id : 405859246 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्लास्टर करने से पूर्व सतह को _____

Options :

405859883. सीमेंटिड

405859884. पॉलिशड

405859885. चिकना

405859886. रफ़

Question Number : 35 Question Id : 405859247 Question Type : MCQ Option Shuffling : Yes 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 designed the 'Sydney Opera House'?

Options :

405859887. Jorn Utzon

405859888. Jan Gehl

405859889. Bjarke Ingels

405859890. Henning Larsen

Question Number : 35 Question Id : 405859247 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सिडनी ऑपेरा हाऊस की परिकल्पना किसने की थी?

Options :

405859887. जॉर्न उत्ज़ोन

405859888. जान गेहल

405859889. बर्क इंजेल्स

405859890. हेनिंग लॉर्सन

Question Number : 36 Question Id : 405859248 Question Type : MCQ Option Shuffling : Yes 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 design elements which are associated with the sense of touch

Options :

405859891. Pattern, Shape, Form

405859892. Texture, Shape, Form

405859893. Shape, Pattern, Texture

405859894. Form, Pattern, Texture

Question Number : 36 Question Id : 405859248 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

परिकल्पना अवयव जो कि स्पर्श ज्ञानेंद्रिय से संबंध हैं -

Options :

405859891. नमूना, आकार, आकृति

405859892. संरचना (बनावट), आकार, आकृति

405859893. आकार, नमूना, संरचना (बनावट)

405859894. आकृति, नमूना, संरचना (बनावट)

Question Number : 37 Question Id : 405859249 Question Type : MCQ Option Shuffling : Yes 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 First World Environment Day was held in which year?

Options :

405859895. 1973

405859896. 1976

405859897. 1978

405859898. 1970

Question Number : 37 Question Id : 405859249 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्रथम विश्व पर्यावरण दिवस किस वर्ष मनाया गया था?

Options :

405859895. 1973

405859896. 1976

405859897. 1978

405859898. 1970

Question Number : 38 Question Id : 405859250 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Elephanta Caves are dedicated to which God?

Options :

405859899. Budha

405859900. Tirthankar Mahavir

405859901. Shiva

405859902. Vishnu

Question Number : 38 Question Id : 405859250 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

एलिफेंटा की गुफाएं किस भगवान को समर्पित हैं?

Options :

405859899. बुद्ध

405859900. तीर्थंकर महावीर

405859901. शिव

405859902. विष्णु

Question Number : 39 Question Id : 405859251 Question Type : MCQ Option Shuffling : Yes 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 not a city type?

Options :

405859903. Garden City

405859904. Linear City

405859905. Radiant City

405859906. Stack City

Question Number : 39 Question Id : 405859251 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा नगर जैसा नहीं है?

Options :

405859903. गार्डन सिटी

405859904. लिनियर सिटी

405859905. रेडिएंट सिटी

405859906. स्टेक सिटी

Question Number : 40 Question Id : 405859252 Question Type : MCQ Option Shuffling : Yes 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 gigantic chariot with elaborately carved stone wheels, pillars and walls are the characteristics of :

Options :

405859907. Konark Sun temple

405859908. Golden temple

405859909. Meenakshi temple

405859910. Dilwara temple

Question Number : 40 Question Id : 405859252 Question Type : MCQ Option Shuffling : Yes 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 विशालकाय रथ जिसके कि सुपरिष्कृत उत्कीर्ण पाषाण पहिये, स्तम्भ और दिवारें विशेषताएं हैं:

Options :

405859907. कोणार्क सूर्य मंदिर

405859908. स्वर्ण मंदिर

405859909. मीनाक्षी मंदिर

405859910. दिलवारा मंदिर

Question Number : 41 Question Id : 405859253 Question Type : MCQ Option Shuffling : Yes 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 built the Moti Masjid in Red Fort at Delhi?

Options :

405859911. Shah Jahan

405859912. Aurangzeb

405859913. Qutub-Ud-Din Aibak

405859914. Akbar

Question Number : 41 Question Id : 405859253 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दिल्ली स्थित लाल किले में मोती मस्जिद का निर्माण किसने करवाया?

Options :

405859911. शाहजहाँ

405859912. औरंगज़ेब

405859913. कुतुब-उद्-दिन ऐबक

405859914. अकबर

Question Number : 42 Question Id : 405859254 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Spray painting is used to :

Options :

405859915. Get a textured pain

405859916. Reach high areas

405859917. Apply paint without touching surface

405859918. Apply large amount of paint

Question Number : 42 Question Id : 405859254 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

स्रे पेंटिंग का प्रयोग किया जाता है:

Options :

405859915. संरचनागत पेंट हेतु

405859916. अति उत्तम क्षेत्रों के लिए

405859917. सतह को स्पर्श किए बिना पेंट लगाना

405859918. अधिक मात्रा में पेंट करने हेतु

Question Number : 43 Question Id : 405859255 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

An escalator looks like which one of the following?

Options :

405859919. Ladder

405859920. Stair case

405859921. Ramp

405859922. Lift

Question Number : 43 Question Id : 405859255 Question Type : MCQ Option Shuffling : Yes 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 एस्केलेटर निम्नलिखित में से किस की तरह दिखाई देता है?

Options :

405859919. सीढ़ी

405859920. सीढ़ियाँ

405859921. रैम्प (ढलान)

405859922. लिफ्ट

Question Number : 44 Question Id : 405859256 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Concrete is a mixture of

Options :

405859923. Cement + Sand + Water

405859924. Cement + Coarse Aggregate + Fine Aggregate + Water

405859925. Cement + Water + Brick Bat

405859926. Cement + Sand + Water + Brick Bat

Question Number : 44 Question Id : 405859256 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

कंक्रीट _____ का एक मिश्रण है।

Options :

405859923. सीमेंट + बालू + पानी

405859924. सीमेंट + मोटा समुच्चय + महीन समुच्चय + पानी

405859925. सीमेंट + पानी + इंट के टुकड़े

405859926. सीमेंट + बालू + पानी + इंट के टुकड़े

Question Number : 45 Question Id : 405859257 Question Type : MCQ Option Shuffling : Yes 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 type of tile are suitable for air - conditioned rooms and gymnasium?

Options :

405859927. Cork Tile

405859928. Ceramic Tile

405859929. Concrete Tile

405859930. Wooden Tile

Question Number : 45 Question Id : 405859257 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

वातानुकूलित कमरे और व्यायामशाला के लिए किस प्रकार की टाइलें उपयुक्त हैं?

Options :

405859927. कॉर्क टाइलें

405859928. सेरेमिक टाइलें

405859929. कंक्रीट टाइलें

405859930. काठ की टाइलें

Question Number : 46 Question Id : 405859258 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Famous Tassel House was designed by

Options :

405859931. Victor Horta

405859932. Gerrit Rietvelt

405859933. Mies Van der Rohe

405859934. Frank Lloyd Wright

Question Number : 46 Question Id : 405859258 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्रसिद्ध टस्सेल हाउस _____ के द्वारा डिज़ाइन किया गया था।

Options :

405859931. विक्टर होर्टा

405859932. गेरिट रिबेल्ट

405859933. मिस वेन डेर रोहे

405859934. फ्रैंक लॉयड राइट

Question Number : 47 Question Id : 405859259 Question Type : MCQ Option Shuffling : Yes 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 Author of "Toward an Architecture"?

Options :

405859935. Frank Ching

405859936. Le Corbusier

405859937. Kevin A. Lynch

405859938. Frank Wright

Question Number : 47 Question Id : 405859259 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

टॉवर्ड एन आर्किटेक्चर के लेखक कौन हैं?

Options :

405859935. फ्रैंक चिंग

405859936. ले कॉर्बुसिएर

405859937. केविन ए लिंग

405859938. फ्रैंक चिंग

Question Number : 48 Question Id : 405859260 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Hiroshima Peace Memorial Museum in Japan was designed by :

Options :

405859939. I. M. Pei

405859940. Tadao Ando

405859941. Kenzo Tange

405859942. Kisho Kurokawa

Question Number : 48 Question Id : 405859260 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

जापान में स्थित हिरोशिमा शांति स्मारक संग्राहलय किसके द्वारा डिजाइन किया गया था?

Options :

405859939. आई.एम. पाइ

405859940. टाडो अन्दो

405859941. केंज़ो टानो

405859942. किशो कुरोकावा

Question Number : 49 Question Id : 405859261 Question Type : MCQ Option Shuffling : Yes 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 principle of Design?

Options :

405859943. Emphasis

405859944. Focal Point

405859945. Unity

405859946. Rhythm

Question Number : 49 Question Id : 405859261 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा एक डिज़ाइन का सिद्धान्त नहीं है?

Options :

405859943. जोर देना

405859944. केन्द्रीय बिन्दू

405859945. एकत्व

405859946. सामंजस्य

Question Number : 50 Question Id : 405859262 Question Type : MCQ Option Shuffling : Yes 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 software is not used by architects

Options :

405859947. Staad. Pro

405859948. 3D Max

405859949. Revit

405859950. Sketch Up

Question Number : 50 Question Id : 405859262 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा सॉफ्टवेयर वास्तुविदों द्वारा प्रयोग नहीं किया जाता है?

Options :

405859947. स्टैड प्रो.

405859948. 3D मैक्स

405859949. रेवित

405859950. स्केच अप

Question Number : 51 Question Id : 405859263 Question Type : MCQ Option Shuffling : Yes 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 built the Shalimar Bagh, Srinagar?

Options :

405859951. Bega Begum

405859952. Akbar

405859953. Shah Jahan

405859954. Jahangir

Question Number : 51 Question Id : 405859263 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

श्रीनगर में शालिमार बाग का निर्माण किसने करवाया था?

Options :

405859951. बेगा बेगम

405859952. अकबर

405859953. शाहजहाँ

405859954. जहाँगीर

Question Number : 52 Question Id : 405859264 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Kanpur, Uttar Pradesh is also known as :

Options :

405859955. The Leather City

405859956. Wine Capital of India

405859957. The Orange City

405859958. City of Nawabs

Question Number : 52 Question Id : 405859264 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

उत्तर प्रदेश स्थित कानपुर _____ के नाम से भी जाना जाता है।

Options :

405859955. लेदर सिटी (चर्मनगरी)

405859956. भारत की शराब (मदिरा) राजधानी

405859957. नारंगी नगर

405859958. नवाबों का शहर

Question Number : 53 Question Id : 405859265 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

How the load is transfered from the super structure to sub structure?

- A. Beam
- B. Slab
- C. Foundation
- D. Earth
- E. column

Choose the correct answer from the options given below:

Options :

405859959. A, B, E, D, C

405859960. E, A, C, B, D

405859961. A, B, C, D, E

405859962. B, A, E, C, D

Question Number : 53 Question Id : 405859265 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

भार को अधिसंरचना से उपसंरचना में कैसे रूपांतरित किया जाता है?

- A. बिम (धरन)
- B. स्लैब (पटिया)
- C. नींव
- D. भूमि
- E. कॉलम (स्तंभ)

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

Options :

405859959. A, B, E, D, C

405859960. E, A, C, B, D

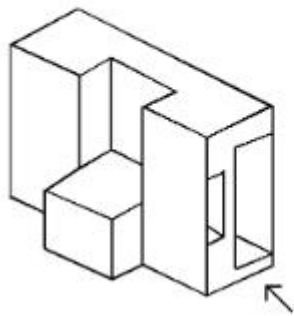
405859961. A, B, C, D, E

405859962. B, A, E, C, D

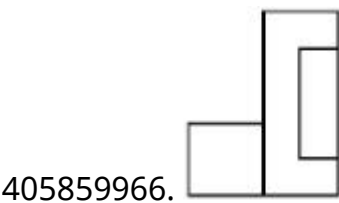
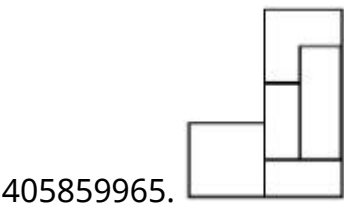
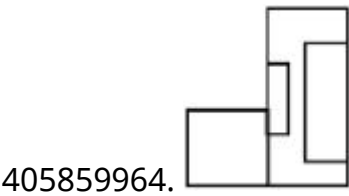
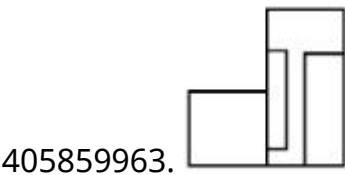
Question Number : 54 Question Id : 405859266 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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 Arrow, identify the correct view of the object.

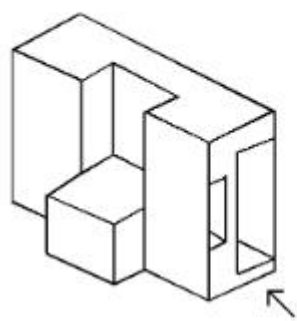


Options :

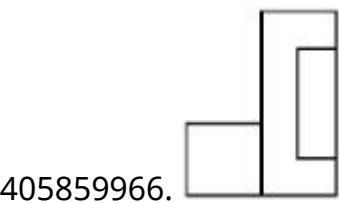
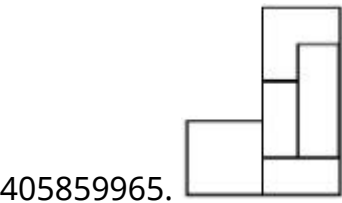
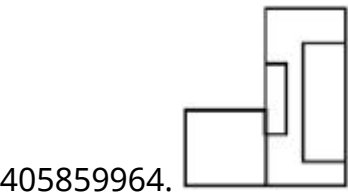
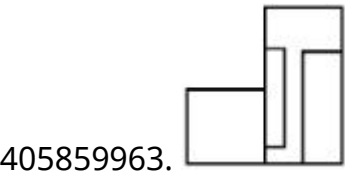


Question Number : 54 Question Id : 405859266 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

प्रश्नात्मक आकृति किसी वस्तु का 3D दृश्य दर्शाती है तीर की दिशा में दृष्टिगत करते हुए सही दृश्य की पहचान करें:

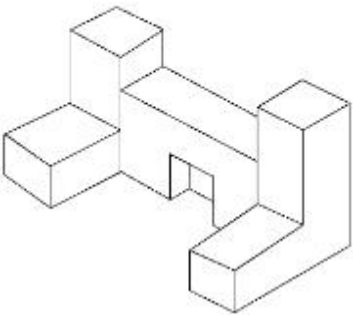


Options :

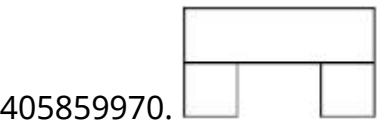
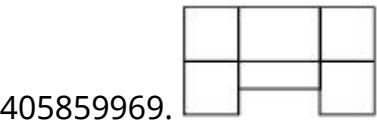
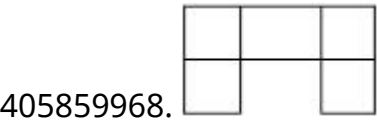
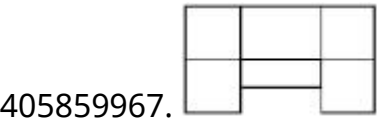


Question Number : 55 Question Id : 405859267 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

The question figure shows the 3D view of an object. Identify the correct top view amongst the answer figures.

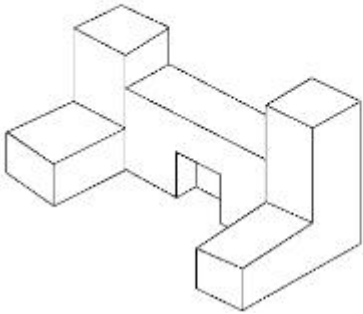


Options :

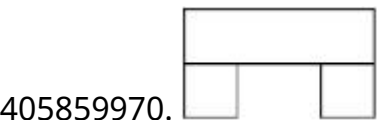
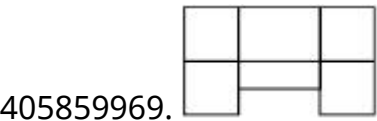
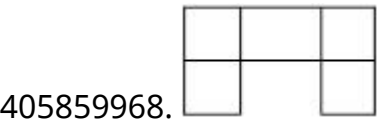
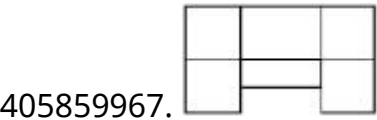


Question Number : 55 Question Id : 405859267 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

प्रश्नाकीय आकृति किसी वस्तु का 3D दृश्य दर्शाती है। उत्तर आकृतियों में से सही शीर्ष दृश्य की पहचान करें।



Options :



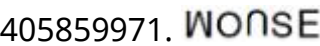
Question Number : 56 Question Id : 405859268 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the mirror image of the given word with respect to X-X



Options :



405859972. WOn2E

405859973. WOU2E

405859974. WOU2E

**Question Number : 56 Question Id : 405859268 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

X-X के संबंध में दिए गए शब्द के दर्पण प्रतिबिंब (बिम्ब) की पहचान करें:

X  X
MOUSE

Options :

405859971. WOnSE

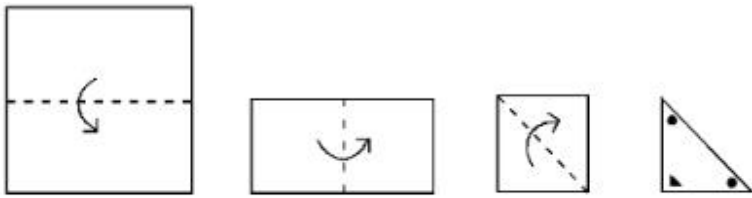
405859972. WOn2E

405859973. WOU2E

405859974. WOU2E

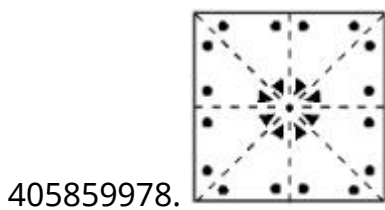
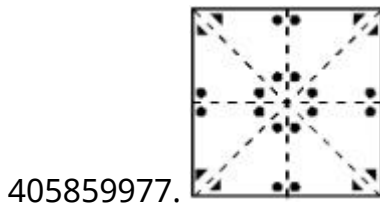
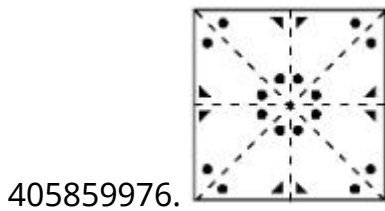
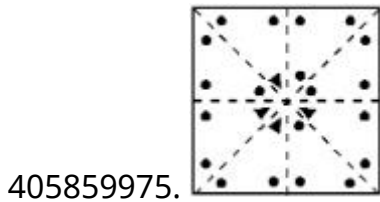
**Question Number : 57 Question Id : 405859269 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

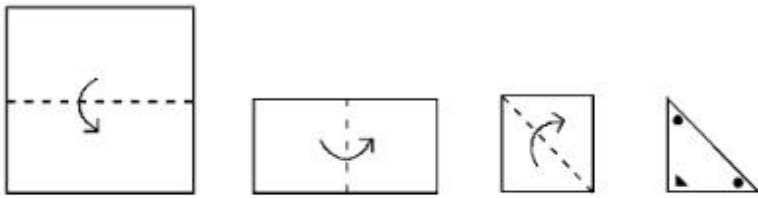


When the paper is folded in a given pattern and it is cut at the end. Identify which pattern is formed when the paper is unfold.

Options :

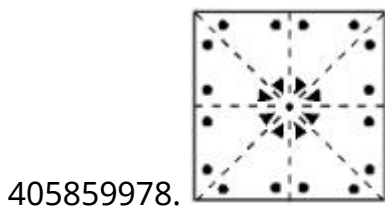
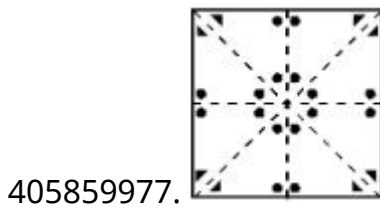
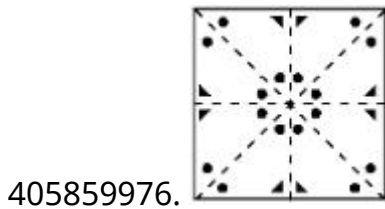
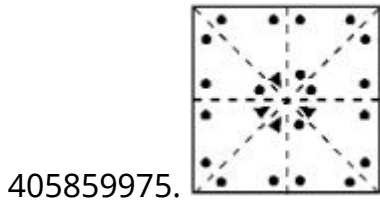


Question Number : 57 Question Id : 405859269 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1



जब एक कागज को दिए गए पैटर्न अनुरूप मोड़ा जाता है, अन्त में काटा जाता है, पहचान करें कि जब कागज सीधा (अनफोल्ड) किया जाए कौन सा पैटर्न बनेगा।

Options :



Question Number : 58 Question Id : 405859270 Question Type : MCQ Option Shuffling : Yes Is

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

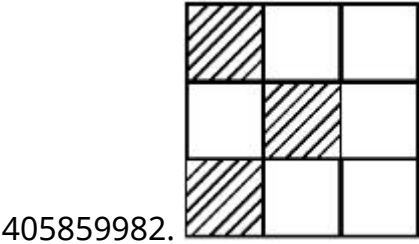
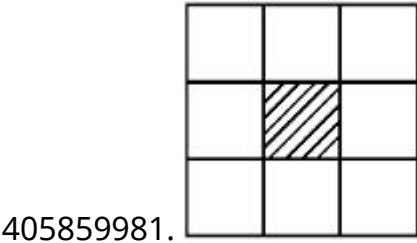
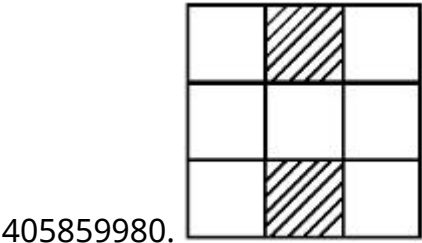
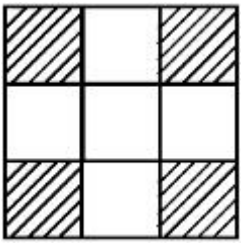
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the figure which is odd from rest of the figures.

Options :

405859979.

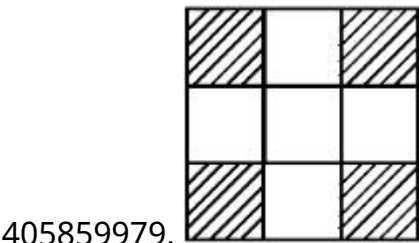


Question Number : 58 Question Id : 405859270 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

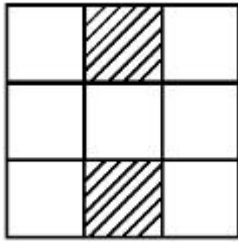
Correct Marks : 4 Wrong Marks : 1

दी गई आकृतियों में से उस आकृति की पहचान करें जो बाकी से अलग है।

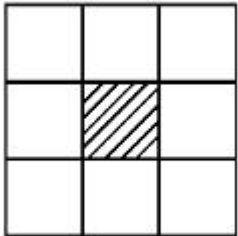
Options :



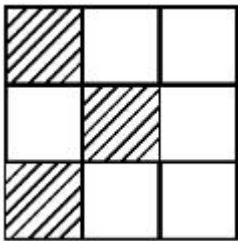
405859980.



405859981.



405859982.



Question Number : 59 Question Id : 405859271 Question Type : MCQ Option Shuffling : Yes 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 : Stone masonry is classified into two parts - Random rubble and ashlar masonry.

Statement II : Random Rubble masonry, each stone is cut to uniform size and shape with all sides rectangular so that stones gives perfect joints.

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

Options :

405859983. Both Statement I and Statement II are true

405859984. Both Statement I and Statement II are false

405859985. Statement I is true but Statement II is false

405859986. Statement I is false but Statement II is true

Question Number : 59 Question Id : 405859271 Question Type : MCQ Option Shuffling : Yes 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 दो कथन दिए जा रहे हैं:

कथन I : पत्थर राजगीरी को दो भागों में वर्गीकृत किया गया है - रैंडम रबबल और आशलर राजगारी

कथन II : रैंडम रबबल राजगीरी, प्रत्येक पत्थर को सम-आकार में काटा जाता है और सभी ओर से ठीक से जोड़ने के लिए आयताकार रूप में काटा जाता है। ताकि पत्थर में परिपूर्ण जोड़ दिया जा सके।

उपरोक्त कथनों के आलोक में नीचे दिए गए विकल्पों में से सही उत्तर का चयन करें:

Options :

405859983. दोनों कथन-I और कथन-II सही हैं।

405859984. दोनों कथन-I और कथन-II गलत हैं।

405859985. कथन-I सही किन्तु कथन-II गलत है।

405859986. कथन-I गलत किन्तु कथन-II सही है।

Question Number : 60 Question Id : 405859272 Question Type : MCQ Option Shuffling : Yes 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 type of Garden by understanding the elements used in the given picture:



Options :

405859987. Roman Garden

405859988. Japanese Garden

405859989. French Garden

405859990. Chinese Garden

Question Number : 60 Question Id : 405859272 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दिए गए चित्र में प्रयोग किए गए अवयवों को समझते हुए बाग (गार्डन) की पहचान करें:



Options :

405859987. रोमन गार्डन

405859988. जापानी गार्डन

405859989. फ्रेंच गार्डन

405859990. चाइनीज गार्डन

Question Number : 61 Question Id : 405859273 Question Type : MCQ Option Shuffling : Yes 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.	Rila Monastery	I.	Egypt
B.	Moha Bodhi Temple	II.	Bulgaria
C.	Wadi al Hitan	III.	Malta
D.	Valletta	IV.	India

Choose the correct answer from the options given below:

Options :

405859991. A-IV, B-III ,C-I ,D-II

405859992. A-II, B-IV ,C-I ,D-III

405859993. A-IV, B-I ,C-II ,D-III

405859994. A-II, B-IV ,C-III ,D-I

Question Number : 61 Question Id : 405859273 Question Type : MCQ Option Shuffling : Yes 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 का सूची II के साथ मिलान करें:

सूची I		सूची II	
A.	रिला मोनेस्ट्री	I.	मिश्र
B.	महा बोधी- मंदिर	II.	बुल्गारिया
C.	वाडि अल हितन	III.	माल्टा
D.	वैलेटा	IV.	भारत

नीचे दिए गए विकल्पों में से सही उत्तर का चयन करें:

Options :

405859991. A-IV, B-III ,C-I ,D-II

405859992. A-II, B-IV ,C-I ,D-III

405859993. A-IV, B-I ,C-II ,D-III

405859994. A-II, B-IV ,C-III ,D-I

Question Number : 62 Question Id : 405859274 Question Type : MCQ Option Shuffling : Yes 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 name of the monument :



Options :

405859995. The Pantheon

405859996. The Cathedral of Pisa

405859997. The Parthenon

405859998. Great Temple of Karnak

Question Number : 62 Question Id : 405859274 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

स्मारक के नाम की पहचान करें:



Options :

405859995. दी पैथन

405859996. दी कैथेड्रल ऑफ पीसा

405859997. दी पार्थन

405859998. ग्रेट टेम्पल ऑफ कार्नाक

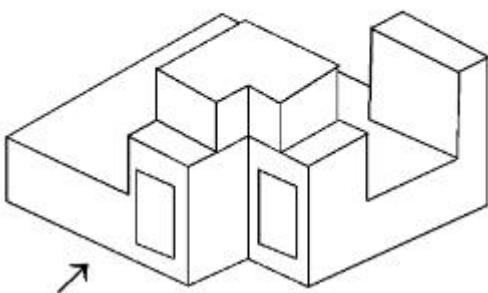
Question Number : 63 Question Id : 405859275 Question Type : MCQ Option Shuffling : Yes Is

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

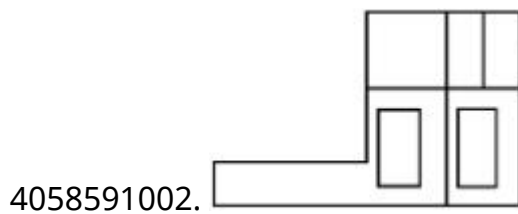
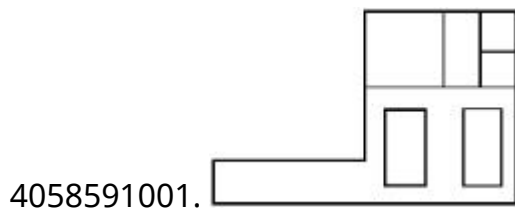
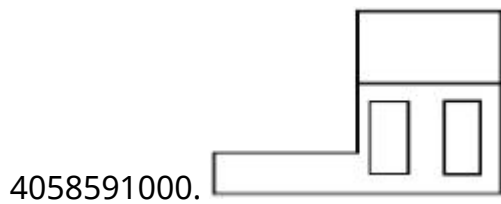
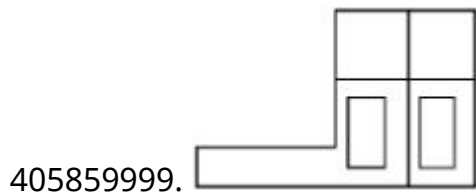
Instruction Time : 0

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 Arrow :



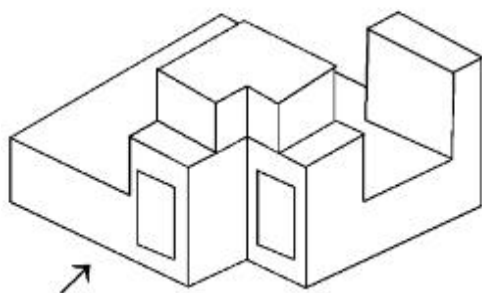
Options :



Question Number : 63 Question Id : 405859275 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

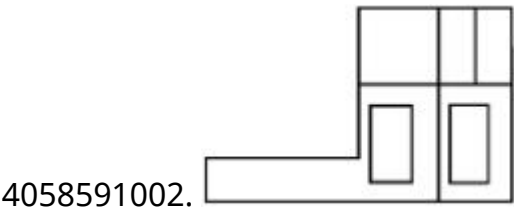
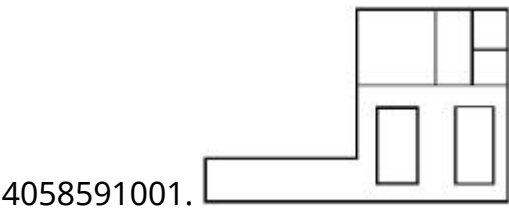
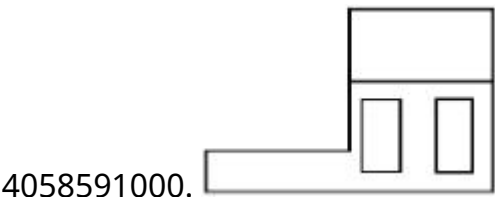
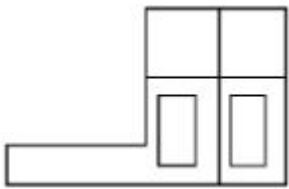
Correct Marks : 4 Wrong Marks : 1

प्रश्न आकृतिक किसी वस्तु का 3D दृश्य दर्शाती है। तीर की दिशाएं दृष्टिगत करते हुए सही दृश्य की पहचान करें:



Options :

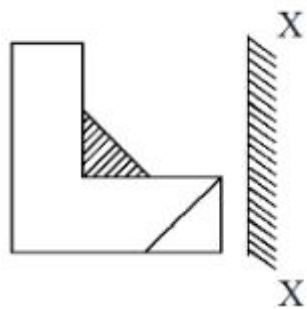
405859999.



Question Number : 64 Question Id : 405859276 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

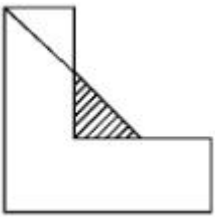
Correct Marks : 4 Wrong Marks : 1

Identify the correct mirror image of the given figure along X-axis.

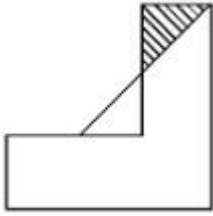


Options :

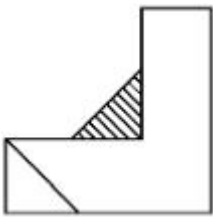
4058591003.



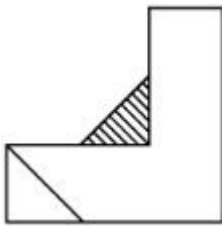
4058591004.



4058591005.



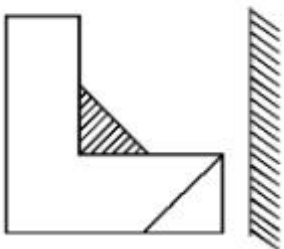
4058591006.



Question Number : 64 Question Id : 405859276 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

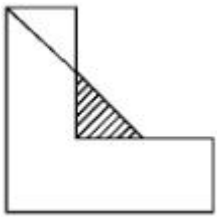
Correct Marks : 4 Wrong Marks : 1

X-axis के साथ आकृति के सही दर्पण बिम्ब की पहचान करें:

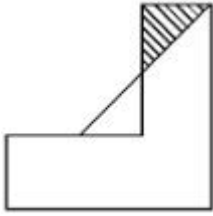


Options :

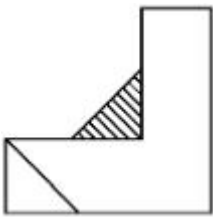
4058591003.



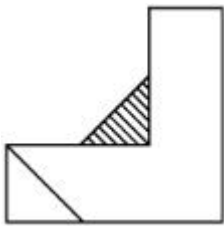
4058591004.



4058591005.



4058591006.



Question Number : 65 Question Id : 405859277 Question Type : MCQ Option Shuffling : Yes 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 given word

ARCHITECTURE |

Options :

4058591007. ARCHITECTURE

4058591008. ARCHITECTURE

4058591009. ARCHITECTURE

4058591010. ARCHITECTURE

Question Number : 65 Question Id : 405859277 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दिए गए शब्द के दर्पण बिम्ब की पहचान करें।

ARCHITECTURE |

Options :

4058591007. ARCHITECTURE

4058591008. ARCHITECTURE

4058591009. ARCHITECTURE

4058591010. ARCHITECTURE

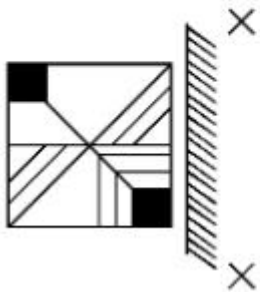
Question Number : 66 Question Id : 405859278 Question Type : MCQ Option Shuffling : Yes Is

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

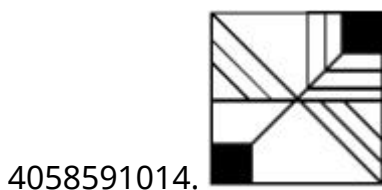
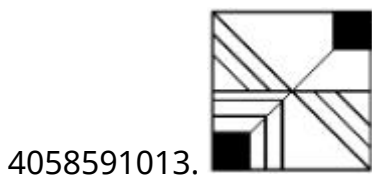
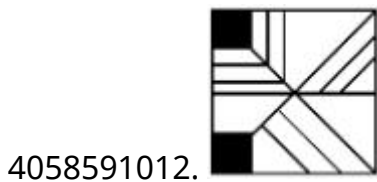
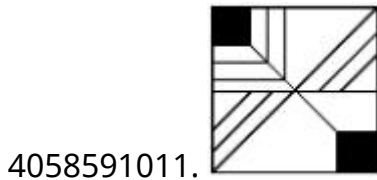
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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



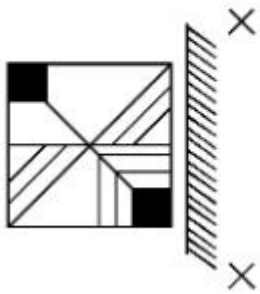
Options :



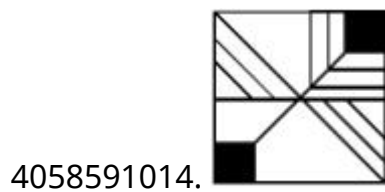
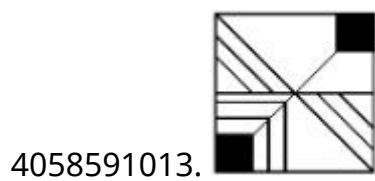
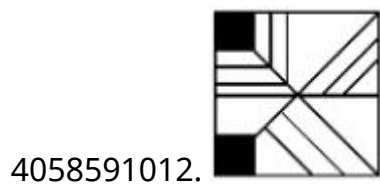
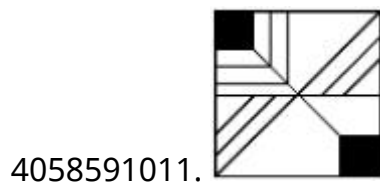
Question Number : 66 Question Id : 405859278 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

X-X के सम्बंध में उत्तर आकृति में से सही दर्पण बिम्ब की पहचान करें:



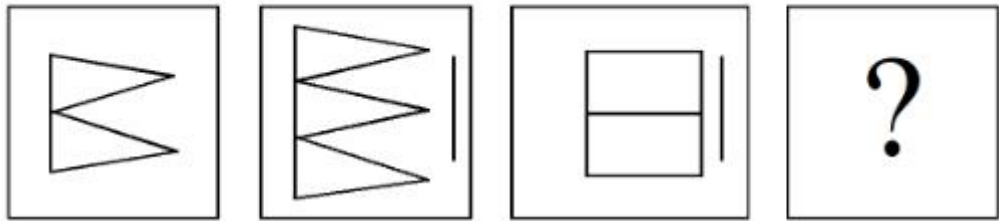
Options :



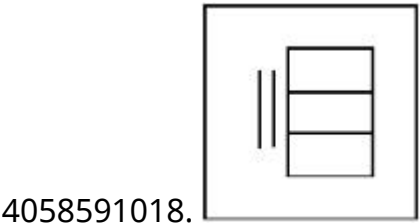
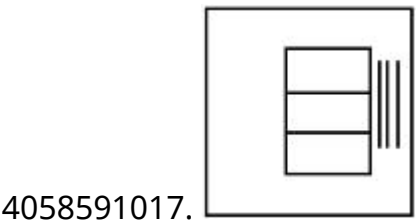
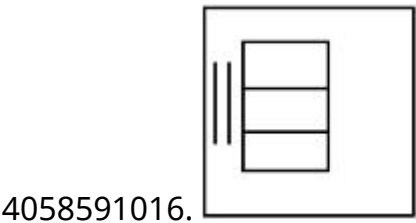
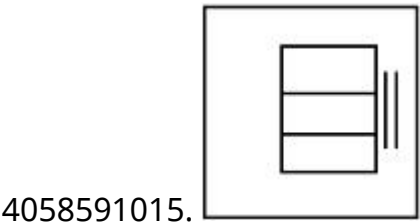
Question Number : 67 Question Id : 405859279 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the correct figure to complete the sequence :



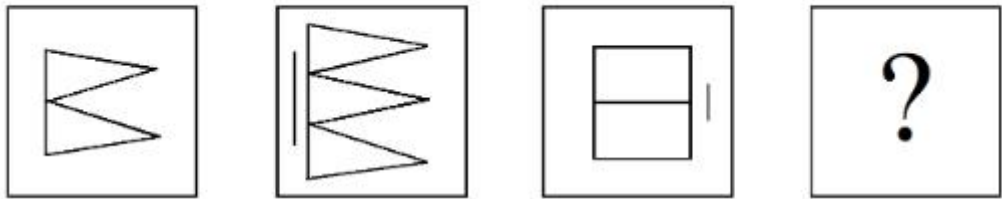
Options :



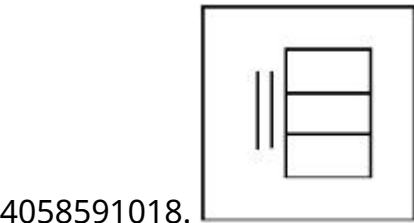
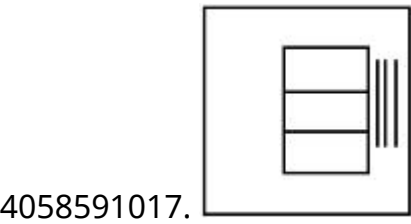
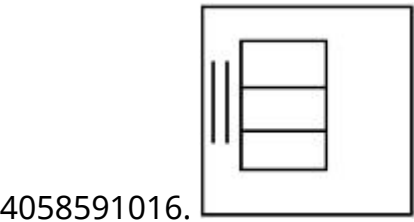
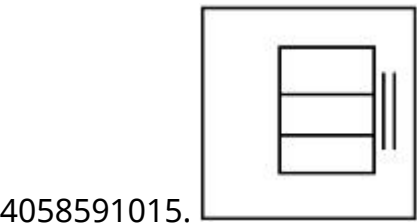
Question Number : 67 Question Id : 405859279 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दी गई आकृतियों के सही अनुक्रम की पहचान करें:



Options :



Question Number : 68 Question Id : 405859280 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Complete the number series

10, 30, 68, 130, ____, 350

Options :

4058591019. 222

4058591020. 192

4058591021. 220

4058591022. 216

**Question Number : 68 Question Id : 405859280 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

अंको की श्रंखला को पूर्ण करें:

10, 30, 68, 130, ____, 350

Options :

4058591019. 222

4058591020. 192

4058591021. 220

4058591022. 216

**Question Number : 69 Question Id : 405859281 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

In a clock, the time is 11:35 AM. The clock is so placed that its hour hand is facing North-West. In which direction will be minute hand facing?

Options :

4058591023. South- East

4058591024. South-West

4058591025. North-West

4058591026. North- East

Question Number : 69 Question Id : 405859281 Question Type : MCQ Option Shuffling : Yes 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 दिवार घड़ी में समय है 11:35 पूर्वाह्न, दिवार घड़ी इस प्रकार से लगाई गई है कि उसके घंटों की सूई - उत्तर - पश्चिम के अभिमुख है। मिनट की सूई किस दिशा को अभिमुख होगी?

Options :

4058591023. दक्षिण - पूर्व

4058591024. दक्षिण - पश्चिम

4058591025. उत्तर - पश्चिम

4058591026. उत्तर - पूर्व

Question Number : 70 Question Id : 405859282 Question Type : MCQ Option Shuffling : Yes 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.	Brick	I.	Dampness Prevention
B.	Arch	II.	Bevelled closer
C.	Lintel	III.	Openings
D.	Cavity wall	IV.	Span

Choose the correct answer from the options given below:

Options :

4058591027. A-IV, B-II, C-I, D-III

4058591028. A-II, B-I, C-III, D-IV

4058591029. A-III, B-I, C-II, D-IV

4058591030. A-II, B-IV, C-III, D-I

Question Number : 70 Question Id : 405859282 Question Type : MCQ Option Shuffling : Yes 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 का सूची II से मिलान करें:

सूची I		सूची II	
A.	ईंट	I.	सीलन रोधी
B.	मेहराब	II.	बेवलड क्लोज़र
C.	लिंगेल	III.	ओपनिंग्स
D.	कैविटी वाल	IV.	स्पान

दिए गए विकल्पों में से सही उत्तर का चयन करें:

Options :

4058591027. A-IV, B-II, C-I, D-III

4058591028. A-II, B-I, C-III, D-IV

4058591029. A-III, B-I, C-II, D-IV

4058591030. A-II, B-IV, C-III, D-I

Question Number : 71 Question Id : 405859283 Question Type : MCQ Option Shuffling : Yes 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 (Buildings)		LIST II (Architects)	
A.	Habital 67	I.	F. L. Wright
B.	Falling Water	II.	Moshe Safdi
C.	Gherkin Tower	III.	Louis Kahn
D.	Fisher House	IV.	Norman Foster

Choose the correct answer from the options given below:

Options :

4058591031. A-II, B-I, C-IV, D-III

4058591032. A-IV, B-II, C-III, D-I

4058591033. A-IV, B-I, C-II, D-III

4058591034. A-I, B-III, C-IV, D-II

Question Number : 71 Question Id : 405859283 Question Type : MCQ Option Shuffling : Yes 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 का सूची II से मिलान करें:

सूची I (भवन)		सूची II (वास्तुकार)	
A.	हैबिटल 67	I.	एफ. एल. राईट
B.	फालिंग वाटर	II.	मोशे सफदि
C.	गेर्किन टावर	III.	लुईस काह्न
D.	फिशर हाउस	IV.	नॉर्मन फोस्टर

नीचे दिए गए विकल्पों में से सही उत्तर चुने:

Options :

4058591031. A-II, B-I, C-IV, D-III

4058591032. A-IV, B-II, C-III, D-I

4058591033. A-IV, B-I, C-II, D-III

4058591034. A-I, B-III, C-IV, D-II

Question Number : 72 Question Id : 405859284 Question Type : MCQ Option Shuffling : Yes 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 famous building in the given picture :



Options :

4058591035. Mysore Palace

4058591036. Khalsa Heritage Complex

4058591037. Hotel Taj Mahal Palace

4058591038. Victoria Memorial

Question Number : 72 Question Id : 405859284 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दिए गए चित्र में सुप्रसिद्ध भवन की पहचान करें:



Options :

4058591035. मैसूर पैलेस

4058591036. खालसा हेरिटेज कॉम्पलेक्स

4058591037. होटल ताज महल पैलेस

4058591038. विक्टोरिया मेमोरियल

Question Number : 73 Question Id : 405859285 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

'LEED' stands for :

Options :

4058591039. Leadership in Energy and Environmental Design

4058591040. Leadership in Environmental and Energy Design

4058591041. Leadership in Energy Efficient Design

4058591042. Leadership in Environmental Energy Design

Question Number : 73 Question Id : 405859285 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

'LEED' का अर्थ:

Options :

4058591039. लीडरशीप इन एनर्जी एंड एनवायरमेंटल डिजाइन

4058591040. लीडरशीप इन एनवायरमेंट एण्ड एनर्जी डिजाइन

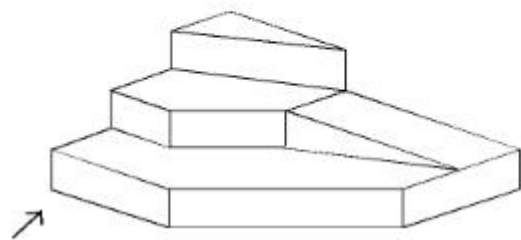
4058591041. लीडरशीप इन एनर्जी एफिसिएन्ट डिजाइन

4058591042. लीडरशीप इन एनवायरमेंटल एनर्जी डिजाइन

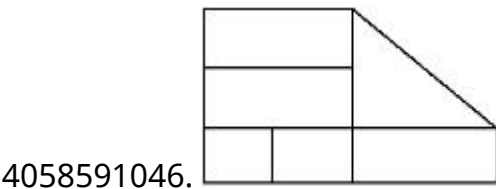
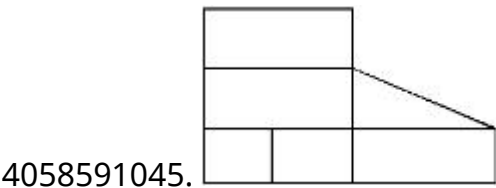
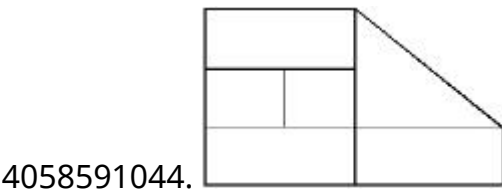
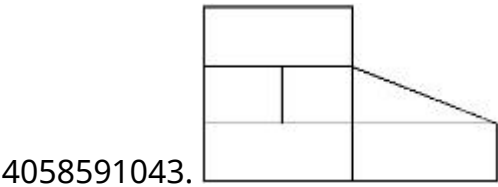
Question Number : 74 Question Id : 405859286 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

From the given 3D view of an object, identify the most appropriate elevation looking in the direction of the given arrow :



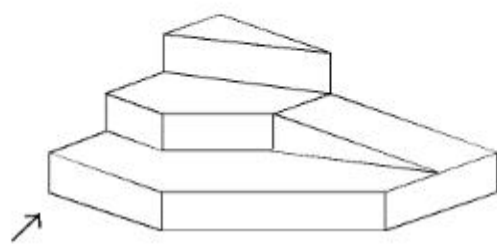
Options :



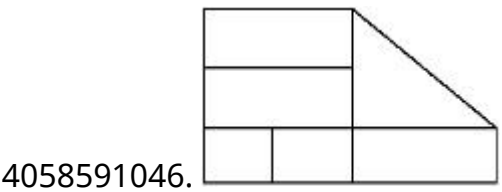
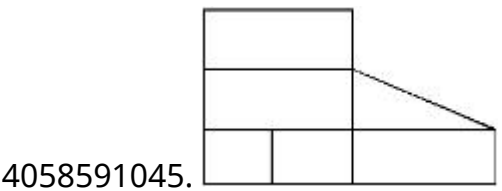
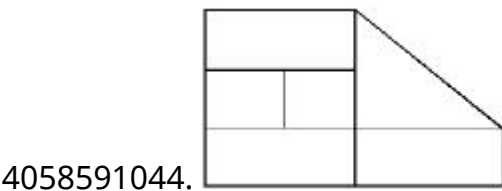
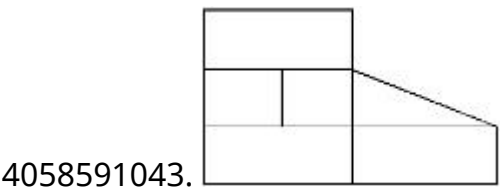
Question Number : 74 Question Id : 405859286 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दर्शाई गई वस्तु का 3D दृश्य देखें और उसमें दर्शाए गए तीर की दिशा में सर्वाधिक उपयुक्त उत्थापन की पहचान करें:



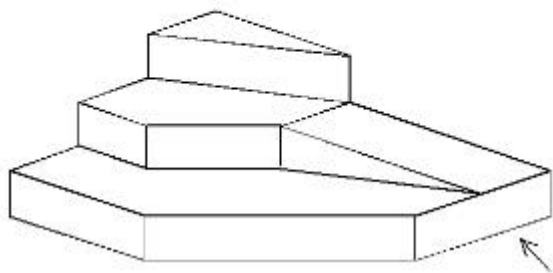
Options :



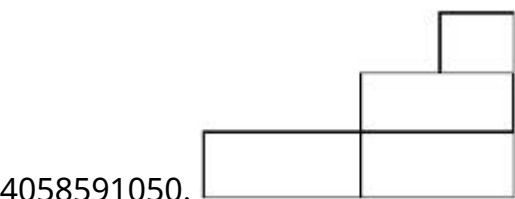
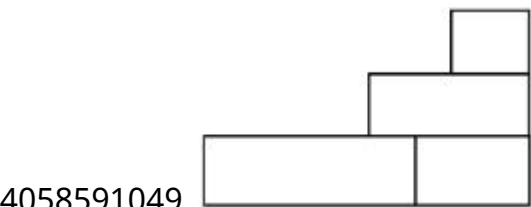
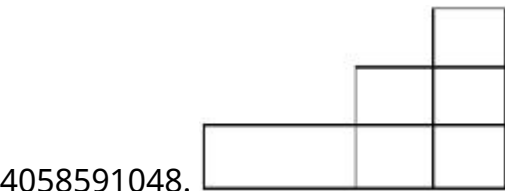
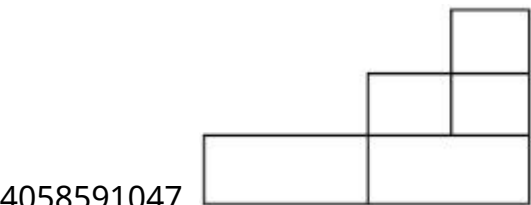
Question Number : 75 Question Id : 405859287 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

From the given 3D view of an object, identify the most appropriate elevation looking in the direction of the given arrow.

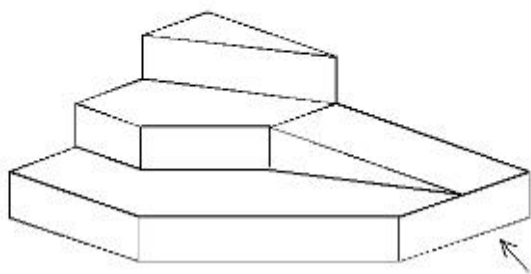


Options :

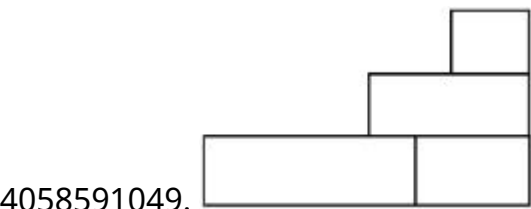
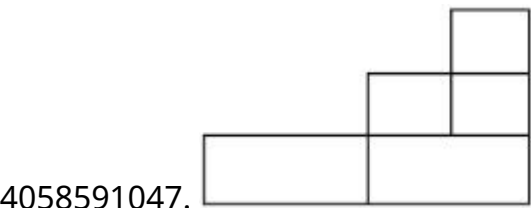


Question Number : 75 Question Id : 405859287 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

दर्शाई गई 3D वस्तु का 3D दृश्य देखें और, तीर की दिशा में दिखने वाले सर्वाधिक उपयुक्त उत्थापन की पहचान करें।

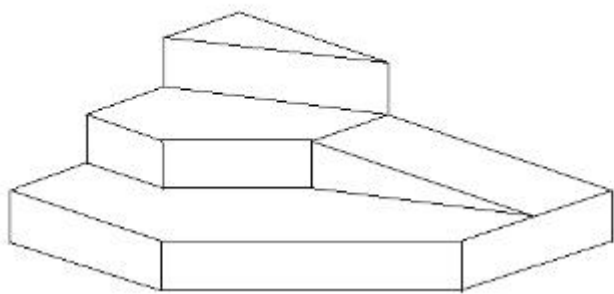


Options :

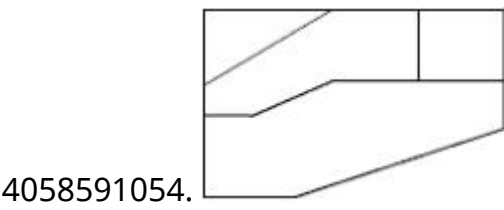
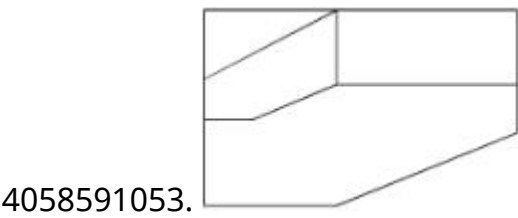
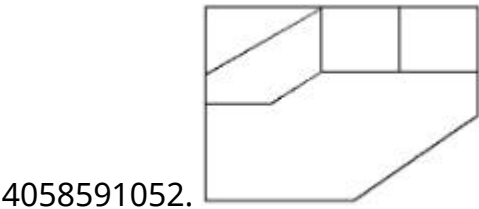
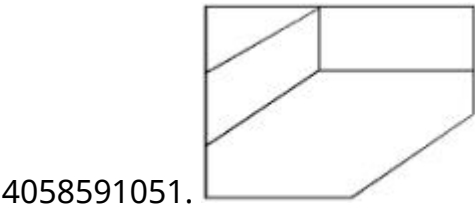


Question Number : 76 Question Id : 405859288 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Choose the correct top view of the given 3D image from the options.

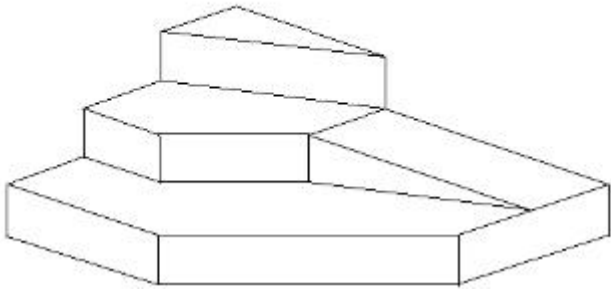


Options :

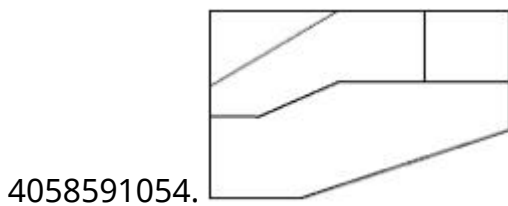
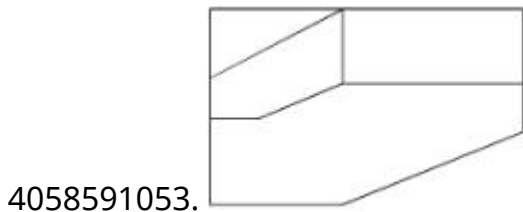
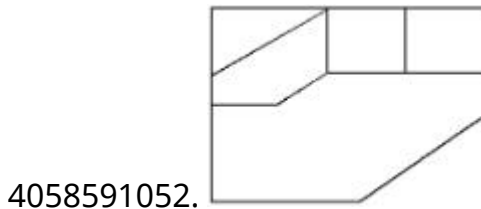
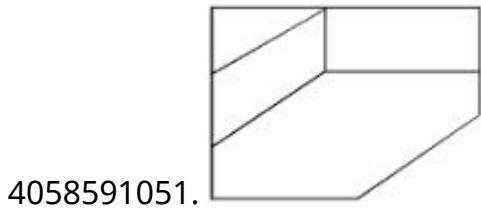


Question Number : 76 Question Id : 405859288 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

दिए गए विकल्पों में से दर्शाए गए 3D चित्र के सही शीर्ष दृश्य का चयन करें:



Options :



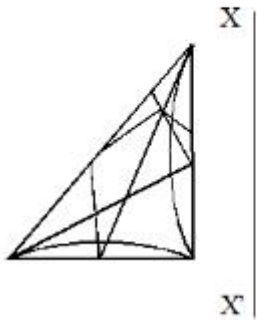
Question Number : 77 Question Id : 405859289 Question Type : MCQ Option Shuffling : Yes Is

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

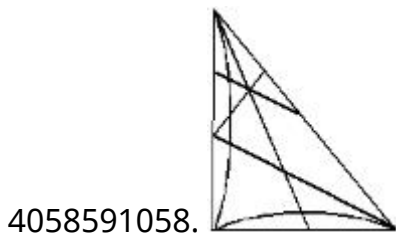
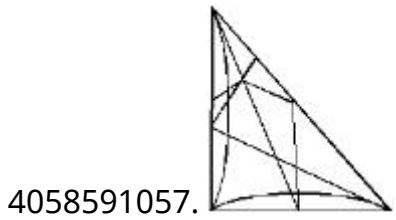
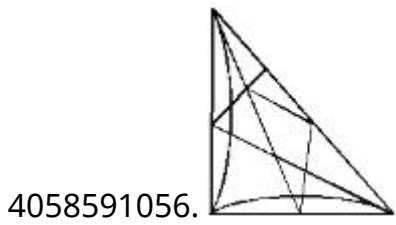
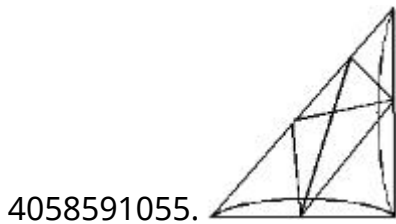
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

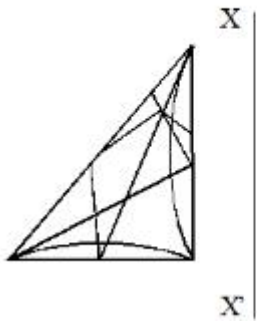


Options :

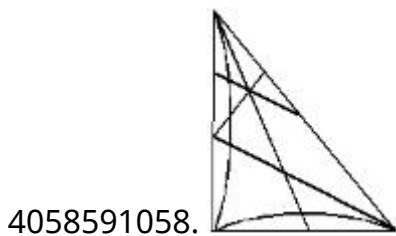
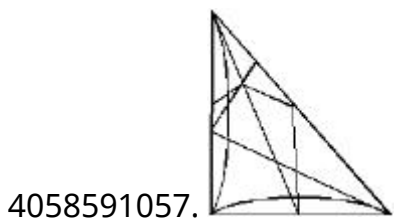
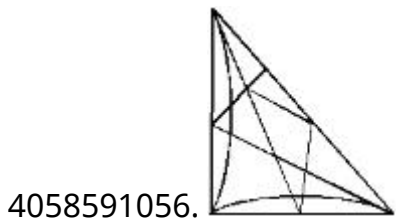
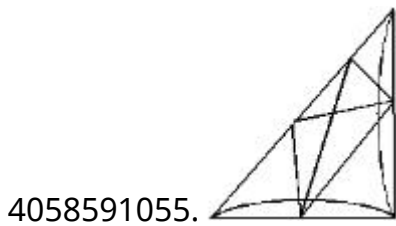


Question Number : 77 Question Id : 405859289 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

X-X के संबंध में उत्तर आकृतियों में से सही दर्पण आकृति के चित्र की पहचान करें:



Options :



Question Number : 78 Question Id : 405859290 Question Type : MCQ Option Shuffling : Yes 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 : One is labelled as **Assertion A** and the other is labelled as **Reason R**.

Assertion A : Green buildings have a lower life cycle cost than conventional buildings.

Reason R : Green buildings require less maintenance and have lower energy and water consumption.

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

Options :

4058591059. Both **A** and **R** are correct and **R** is the correct explanation of **A**

4058591060. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**

4058591061. **A** is correct but **R** is not correct

4058591062. **A** is not correct but **R** is correct

Question Number : 78 Question Id : 405859290 Question Type : MCQ Option Shuffling : Yes 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 दो कथन दिए गए हैं: एक को अभिकथन A अंकित किया गया है और दूसरे को कारण R के रूप में अंकित किया गया है।

अभिकथन A : हरित भवनों का जीवन चक्र पारंपरिक भवनों की तुलना में अल्प होता है।

कारण R : हरित भवनों के रखरखाव की कम आवश्यकता होती है और उनमें कम उर्जा और जल की खपत होती है।

उपरोक्त कथनों के आलोक में नीचे दिए गए विकल्पों में से सर्वथा उपयुक्त उत्तर का चयन करें:

Options :

4058591059. दोनों **A** और **R** सही है तथा **R**, **A** का सही स्पष्टीकरण है।

4058591060. दोनों A और R सही हैं किन्तु A का सही स्पष्टीकरण R नहीं है।

4058591061. A सही है किन्तु R सही नहीं है।

4058591062. A सही नहीं है किन्तु R सही है।

Question Number : 79 Question Id : 405859291 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

LIST I		LIST II	
A.	Tower Bridge	I.	
B.	Torii	II.	
C.	Stonehenge	III.	
D.	Petronas Tower	IV.	

Choose the correct answer from the options given below:

Options :

4058591063. A-III, B-II, C-IV, D-I

4058591064. A-IV, B-III, C-I, D-II

4058591065. A-III, B-II, C-I, D-IV

4058591066. A-IV, B-I, C-II, D-III

Question Number : 79 Question Id : 405859291 Question Type : MCQ Option Shuffling : Yes 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 का सची II से मिलान करें:

सूची I		सूची II	
A.	टावर ब्रिज	I.	
B.	टोरी	II.	
C.	स्टोन हेंज	III.	
D.	पेट्रोनस टावर	IV.	

नीचे दिए गए विकल्पों में से सही उत्तर का चयन करें:

Options :

4058591063. A-III, B-II, C-IV, D-I

4058591064. A-IV, B-III, C-I, D-II

4058591065. A-III, B-II, C-I, D-IV

4058591066. A-IV, B-I, C-II, D-III

Question Number : 80 Question Id : 405859292 Question Type : MCQ Option Shuffling : Yes 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 building material primarily used for cladding in Lotus Temple :



Options :

4058591067. Dolomite

4058591068. Lime

4058591069. Marble

4058591070. Granite

Question Number : 80 Question Id : 405859292 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

लोटस मन्दिर के आवरण में प्रयोग की गई भवन निर्माण की प्रमुख सामग्री की पहचान करें:



Options :

4058591067. डोलामाइट

4058591068. चूना (लाइम)

4058591069. संगमरमर (मार्बल)

4058591070. ग्रेनाइट

Drawing

Section Id :	40585913
Section Number :	4
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	2
Number of Questions to be attempted :	2
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes

Maximum Instruction Time : 0

Sub-Section Number : 1

Sub-Section Id : 40585913

Question Shuffling Allowed : No

Is Section Default? : null

Question Number : 81 Question Id : 405859293 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 50

Draw a proportionate Sketch of the image given below in detail. Sketch this using Black and White Medium only.



Question Number : 81 Question Id : 405859293 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 50

नीचे दिए गए चित्र का समानुपातिक रेखाचित्र विस्तार पूर्वक केवल स्वेत-श्याम का प्रयोग करते हुए खींचें।



Question Number : 82 Question Id : 405859294 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 50

Combine Musical Instruments like Guitar, Microphone (mic), Drums, Tabla, Keyboard, etc. into a 3D Abstract Sculpture, using different colors to represent various Texture and Instruments. You can scale each object to any size of your choice. Apply the effect of light and shadow on your Sculpture.

OR

Considering yourself as one of the spectators, draw a beautiful sketch of a Football stadium where a match is going on.

Question Number : 82 Question Id : 405859294 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 50

गिटार, माइक्रोफोन (माइक) ड्रम, तबला, की-बोर्ड इत्यादि जैसे संगीत वाद्य यंत्रों की विभिन्न बनावट और उपकरणों का प्रतिनिधित्व करने के लिए अलग-अलग सामग्रियों और रंगों का उपयोग करके एक 3D सार मूर्तिकल्प में संयोजित करें। आप प्रत्येक वस्तु को अपनी पसंद के किसी भी आकार में माप सकते हैं। अपनी संरचना पर प्रकाश और छाया का प्रभाव लागू करें।

अथवा

अपने आप को दर्शकों में से एक मानते हुए, एक फुटबॉल स्टेडियम का सुंदर रेखाचित्र खींचें जहाँ मैच चल रहा हो।