

Test Date	06/01/2020
Test Time	9:30 AM - 12:30 PM
Subject	B ARCH

Section : Mathematics

Q.1 If the roots α and β of the equation,
 $x^2 - \sqrt{2}x + c = 0$ are complex for some
 real number $c \neq 1$ and $\left| \frac{\alpha - \beta}{1 - \alpha\beta} \right| = 1$, then a
 value of c is :

- Options**
1. $-2 + \sqrt{6}$
 2. $3 - \sqrt{6}$
 3. $4 - \sqrt{6}$
 4. $-1 + \sqrt{6}$

Question Type : **MCQ**

Question ID : **405036712**

Option 1 ID : **4050362655**

Option 2 ID : **4050362657**

Option 3 ID : **4050362656**

Option 4 ID : **4050362658**

Status : **Answered**

Chosen Option : **1**

Q.2 If θ is the angle between the line

$$\vec{r} = (\hat{i} + 2\hat{j} - \hat{k}) + \lambda (\hat{i} - \hat{j} + 2\hat{k}), \lambda \in \mathbb{R}$$

and the plane $\vec{r} \cdot (2\hat{i} - \hat{j} + \hat{k}) = 4$, then a value of $\cos\theta$ is :

Options

1. $\frac{\sqrt{13}}{6}$
2. $\frac{\sqrt{11}}{6}$
3. $\frac{\sqrt{35}}{6}$
4. $\frac{\sqrt{7}}{3}$

Question Type : MCQ

Question ID : 405036726

Option 1 ID : 4050362712

Option 2 ID : 4050362711

Option 3 ID : 4050362713

Option 4 ID : 4050362714

Status : Answered

Chosen Option : 2

Q.3 If an ellipse has centre at $(0, 0)$, a focus at $(-3, 0)$ and the corresponding directrix is $3x + 25 = 0$, then it passes through the point :

Options

1. $(-5, -4)$
2. $\left(\frac{5}{\sqrt{2}}, \frac{4}{\sqrt{2}}\right)$
3. $\left(-5, -\frac{4}{\sqrt{2}}\right)$
4. $\left(\frac{5}{2}, 4\right)$

Question Type : MCQ

Question ID : 405036724

Option 1 ID : 4050362704

Option 2 ID : 4050362705

Option 3 ID : 4050362706

Option 4 ID : 4050362703

Status : Answered

Chosen Option : 1

Q.4 The area (in sq. units) of the region enclosed by the lines, $ax \pm by \pm c = 0$ ($a, b, c \in \mathbf{R}$ are positive and distinct) is :

Options

1. $\frac{2c^2}{ab}$
2. $\frac{2b^2}{ac}$
3. $\frac{2a^2}{bc}$
4. $\frac{4c^2}{ab}$

Question Type : **MCQ**

Question ID : **405036723**

Option 1 ID : **4050362700**

Option 2 ID : **4050362701**

Option 3 ID : **4050362699**

Option 4 ID : **4050362702**

Status : **Answered**

Chosen Option : **3**

Q.5 Let C be the circle concentric with the circle, $2x^2 + 2y^2 - 6x - 10y = 183$ and having area $\left(\frac{1}{10}\right)^{\text{th}}$ of the area of this circle. Then a tangent to C, parallel to the line, $3x + y = 0$ makes an intercept on the y-axis, which is equal to :

Options

1. 17
2. -10
3. 14
4. -4

Question Type : **MCQ**

Question ID : **405036722**

Option 1 ID : **4050362696**

Option 2 ID : **4050362698**

Option 3 ID : **4050362695**

Option 4 ID : **4050362697**

Status : **Answered**

Chosen Option : **2**

Q.6 If α and β are the coefficients of x^8 and x^{-24} respectively, in the expansion of $\left(x^4 + 2 + \frac{1}{x^4}\right)^{10}$ in powers of x , then $\frac{\alpha}{\beta}$ is equal to :

- Options**
1. 39
 2. 26
 3. $\frac{13}{2}$
 4. $\frac{32}{3}$

Question Type : **MCQ**

Question ID : **405036715**

Option 1 ID : **4050362670**

Option 2 ID : **4050362668**

Option 3 ID : **4050362667**

Option 4 ID : **4050362669**

Status : **Not Answered**

Chosen Option : --

Q.7 The value of $\cot \frac{\pi}{24}$ is :

- Options**
1. $2 + \sqrt{2} + \sqrt{3} - \sqrt{6}$
 2. $1 + \sqrt{2} + \sqrt{3} + \sqrt{6}$
 3. $2 + \sqrt{2} + \sqrt{3} + \sqrt{6}$
 4. $1 - \sqrt{2} + \sqrt{3} + \sqrt{6}$

Question Type : **MCQ**

Question ID : **405036729**

Option 1 ID : **4050362723**

Option 2 ID : **4050362726**

Option 3 ID : **4050362725**

Option 4 ID : **4050362724**

Status : **Answered**

Chosen Option : **4**

Q.8 Let $S = 3 + 55 + 333 + 5555 + 33333 + \dots$ upto 22 terms. If $9S + 88 = A(10^{22} - 1)$, then A is equal to :

- Options
1. $\frac{630}{88}$
 2. $\frac{530}{99}$
 3. $\frac{350}{88}$
 4. $\frac{450}{99}$

Question Type : MCQ

Question ID : 405036716

Option 1 ID : 4050362674

Option 2 ID : 4050362671

Option 3 ID : 4050362672

Option 4 ID : 4050362673

Status : Answered

Chosen Option : 2

Q.9 If $f(x) = \begin{vmatrix} \sin x & \cos x & \tan x \\ x^3 & x^2 & x \\ 2x & 1 & x \end{vmatrix}$, $x \in \left(-\frac{\pi}{2}, \frac{\pi}{2}\right)$, then $\lim_{x \rightarrow 0} \frac{f(x)}{x^2}$ is equal to :

- Options
1. 1
 2. 2
 3. 0
 4. 3

Question Type : MCQ

Question ID : 405036714

Option 1 ID : 4050362664

Option 2 ID : 4050362665

Option 3 ID : 4050362663

Option 4 ID : 4050362666

Status : Answered

Chosen Option : 3

Q.10

The integral $\int \frac{(2 \sin \theta - 1) \cos \theta}{5 - \cos^2 \theta - 4 \sin \theta} d\theta$ is equal to :
(where C is a constant of integration)

Options

1. $2 \log_e(2 + \sin \theta) + \frac{3}{2 - \cos \theta} + C$
2. $2 \log_e(2 - \sin \theta) + \frac{3}{2 - \sin \theta} + C$
3. $3 \log_e(2 - \cos \theta) + \frac{2}{2 - \sin \theta} + C$
4. $3 \log_e(2 + \cos \theta) + \frac{2}{2 - \cos \theta} + C$

Question Type : MCQ

Question ID : 405036720

Option 1 ID : 4050362690

Option 2 ID : 4050362689

Option 3 ID : 4050362688

Option 4 ID : 4050362687

Status : Answered

Chosen Option : 3

Q.11

For non-zero real numbers l, m, n and a , let $f(x) = lx^3 + mx + n$ and $f(a) = f(4a)$. Then the value $x \in [a, 4a]$, at which the tangent to the curve $y = f(x)$ is parallel to the x -axis, is :

Options

1. $\sqrt{5} a$
2. $3a$
3. $\sqrt{7} a$
4. $2a$

Question Type : MCQ

Question ID : 405036718

Option 1 ID : 4050362681

Option 2 ID : 4050362680

Option 3 ID : 4050362682

Option 4 ID : 4050362679

Status : Answered

Chosen Option : 4

Q.12 If the probability of a shooter A not hitting a target is 0.5 and that for the shooter B is 0.7, then the probability that either A or B fails to hit the target is :

- Options
1. 0.25
 2. 0.35
 3. 0.20
 4. 0.85

Question Type : **MCQ**

Question ID : **405036728**

Option 1 ID : **4050362720**

Option 2 ID : **4050362719**

Option 3 ID : **4050362721**

Option 4 ID : **4050362722**

Status : **Answered**

Chosen Option : **1**

Q.13 The area (in sq. units) of the region,
 $R = \{(x, y) : y \leq x^2, y \leq 2x + 3, x \leq 1 \text{ and } y + 1 \geq 0\}$ is :

- Options
1. $\frac{13}{3}$
 2. $\frac{8}{3}$
 3. $\frac{10}{3}$
 4. $\frac{11}{3}$

Question Type : **MCQ**

Question ID : **405036721**

Option 1 ID : **4050362694**

Option 2 ID : **4050362691**

Option 3 ID : **4050362692**

Option 4 ID : **4050362693**

Status : **Answered**

Chosen Option : **1**

Q.14 The Boolean expression
 $\sim (p \vee q) \vee (\sim p \wedge q)$ is equivalent to :

- Options
1. $\sim p$
 2. $\sim q$
 3. q
 4. p

Question Type : **MCQ**

Question ID : **405036730**

Option 1 ID : **4050362730**

Option 2 ID : **4050362729**

Option 3 ID : **4050362728**

Option 4 ID : **4050362727**

Status : **Answered**

Chosen Option : **4**

Q.15 Let X be a random variable which takes values k with the probability kp , where $k=1, 2, 3, 4$ and $p \in (0, 1)$. Then the standard deviation of X is :

- Options
1. 1
 2. $\sqrt{7}$
 3. 3
 4. $\sqrt{10}$

Question Type : **MCQ**

Question ID : **405036727**

Option 1 ID : **4050362715**

Option 2 ID : **4050362716**

Option 3 ID : **4050362717**

Option 4 ID : **4050362718**

Status : **Answered**

Chosen Option : **3**

Q.16 Let P be the point of intersection of two lines

$$\frac{x+10}{1} = \frac{y-21}{7} = \frac{z+11}{5} \quad \text{and}$$

$$\frac{x-1}{5} = \frac{y-46}{9} = \frac{z}{3}. \quad \text{If Q be the point}$$

$(-10, 21, -11)$; then PQ is equal to :

Options 1. 3

2. $5\sqrt{3}$

3. $5\sqrt{2}$

4. 5

Question Type : MCQ

Question ID : 405036725

Option 1 ID : 4050362707

Option 2 ID : 4050362710

Option 3 ID : 4050362709

Option 4 ID : 4050362708

Status : Answered

Chosen Option : 3

Q.17 If $x = e^t \sin t$ and $y = e^t \cos t$, t is a parameter,

then the value of $\frac{d^2x}{dy^2} + \frac{d^2y}{dx^2}$ at $t=0$, is :

Options 1. 2

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

3. -2

4. 0

Question Type : MCQ

Question ID : 405036717

Option 1 ID : 4050362678

Option 2 ID : 4050362677

Option 3 ID : 4050362676

Option 4 ID : 4050362675

Status : Answered

Chosen Option : 4

Q.18 Let A be a 2×2 matrix such that $3A^2 + 6A - 4I = 0$. Then a value of $|A + I|$ is :

- Options
1. $-\frac{7}{\sqrt{3}}$
 2. $-\frac{7}{3}$
 3. $\sqrt{\frac{7}{3}}$
 4. $\frac{3}{7}$

Question Type : MCQ

Question ID : 405036713

Option 1 ID : 4050362661

Option 2 ID : 4050362660

Option 3 ID : 4050362659

Option 4 ID : 4050362662

Status : Answered

Chosen Option : 3

Q.19 In a certain town, 25% families own a phone, 15% families own a car, 65% families own neither a phone nor a car and 2000 families own both a car and a phone. Consider the following Statements (S) :

(S₁) : 35% families own at least one of a car or a phone.

(S₂) : 40,000 families live in the town.

Then :

- Options
1. (S₁) is true and (S₂) is false.
 2. (S₁) is false and (S₂) is true.
 3. Both (S₁) and (S₂) are false.
 4. Both (S₁) and (S₂) are true.

Question Type : MCQ

Question ID : 405036711

Option 1 ID : 4050362651

Option 2 ID : 4050362652

Option 3 ID : 4050362654

Option 4 ID : 4050362653

Status : Answered

Chosen Option : 2

Q.20 The set of all positive real values of k , for which the equation $x^3 - 9x^2 + 24x - k = 0$ has three distinct real roots, is the interval :

- Options
1. (18, 21)
 2. (12, 16)
 3. (14, 18)
 4. (16, 20)

Question Type : **MCQ**

Question ID : **405036719**

Option 1 ID : **4050362683**

Option 2 ID : **4050362685**

Option 3 ID : **4050362686**

Option 4 ID : **4050362684**

Status : **Answered**

Chosen Option : **1**

Q.21 If $S = \{z \in \mathbb{C} : \bar{z} = iz^2\}$, then the maximum value of $|z - \sqrt{3} - i|^2$ on S is _____.

Given --
Answer :

Question Type : **SA**

Question ID : **405036735**

Status : **Not Answered**

Q.22 $\lim_{y \rightarrow 0} \frac{(y-2) + 2\sqrt{1+y+y^2}}{2y}$ is equal to _____.

Given --
Answer :

Question Type : **SA**

Question ID : **405036734**

Status : **Not Answered**

Q.23 If $y = y(x)$ is the solution of the differential equation, $x \frac{dy}{dx} = y(\log_e y - \log_e x + 1)$, when $y(1) = 2$, then $y(2)$ is equal to _____.

Given --
Answer :

Question Type : **SA**

Question ID : **405036732**

Status : **Not Answered**

Q.24 The largest value of $n \in \mathbb{N}$ for which

$$\frac{74}{{}^nP_n} > \frac{{}^{n+3}P_3}{{}^{n+1}P_{n+1}} \text{ is } \underline{\hspace{2cm}}.$$

Given --

Answer :

Question Type : SA

Question ID : 405036731

Status : Not Answered

Q.25 The interior angles of a polygon are all obtuse and are in A.P. If the smallest angle is 120° and common difference of this A.P. is 5° , then the number of sides of the polygon is $\underline{\hspace{2cm}}$.

Given --

Answer :

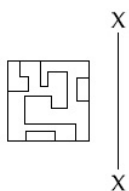
Question Type : SA

Question ID : 405036733

Status : Not Answered

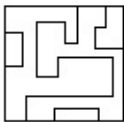
Section : Aptitude Test

Q.1 Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X ?

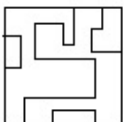


Options

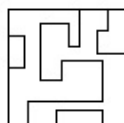
1.



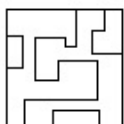
2.



3.



4.



Question Type : **MCQ**

Question ID : **405036758**

Option 1 ID : **4050362824**

Option 2 ID : **4050362825**

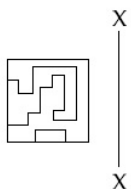
Option 3 ID : **4050362827**

Option 4 ID : **4050362826**

Status : **Answered**

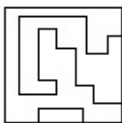
Chosen Option : **3**

Q.2 Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X ?

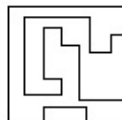


Options

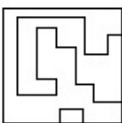
1.



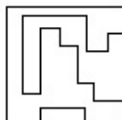
2.



3.



4.



Question Type : **MCQ**

Question ID : **405036756**

Option 1 ID : **4050362818**

Option 2 ID : **4050362816**

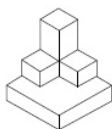
Option 3 ID : **4050362819**

Option 4 ID : **4050362817**

Status : **Answered**

Chosen Option : **1**

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



Options

1.



2.



3.



4.



Question Type : **MCQ**

Question ID : **405036750**

Option 1 ID : **4050362793**

Option 2 ID : **4050362792**

Option 3 ID : **4050362794**

Option 4 ID : **4050362795**

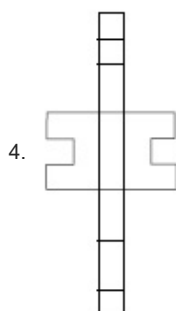
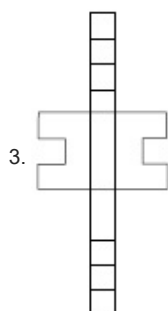
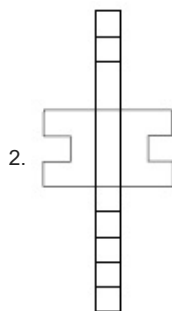
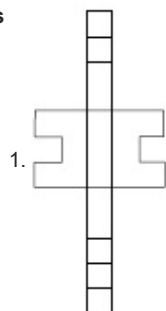
Status : **Answered**

Chosen Option : **2**

Q.4 The 3 - D figure shows the view of an object. Identify the correct view when the figure is opened up, from amongst the answer figures.



Options



Question Type : **MCQ**

Question ID : **405036769**

Option 1 ID : **4050362870**

Option 2 ID : **4050362869**

Option 3 ID : **4050362868**

Option 4 ID : **4050362871**

Status : **Answered**

Chosen Option : **1**

Q.5 उत्तरी गोलार्ध में गर्मियों में सूर्य निम्न दिशाओं में से किसमें डूबता है?

- Options**
1. दक्षिण पश्चिम
 2. उत्तर पूर्व
 3. उत्तर पश्चिम
 4. दक्षिण पूर्व

Question Type : **MCQ**

Question ID : **405036772**

Option 1 ID : **4050362883**

Option 2 ID : **4050362880**

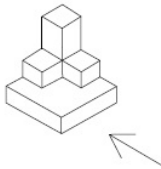
Option 3 ID : **4050362881**

Option 4 ID : **4050362882**

Status : **Not Answered**

Chosen Option : --

Q.6 The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



- Options**
- 1.
 - 2.
 - 3.
 - 4.

Question Type : **MCQ**

Question ID : **405036740**

Option 1 ID : **4050362752**

Option 2 ID : **4050362755**

Option 3 ID : **4050362754**

Option 4 ID : **4050362753**

Status : **Answered**

Chosen Option : **2**

Q.7 Which one of the following textures describes the surface of a mirror ?

- Options**
1. Coarse
 2. Shiny
 3. Grainy
 4. Wrinkled

Question Type : **MCQ**
Question ID : **405036781**
Option 1 ID : **4050362919**
Option 2 ID : **4050362918**
Option 3 ID : **4050362916**
Option 4 ID : **4050362917**
Status : **Answered**
Chosen Option : **1**

Q.8 In which one of the following situations are trusses normally used in buildings ?

- Options**
1. High Rise Buildings
 2. Buildings in Deserts
 3. Large Span Buildings
 4. Under Water Buildings

Question Type : **MCQ**
Question ID : **405036775**
Option 1 ID : **4050362892**
Option 2 ID : **4050362895**
Option 3 ID : **4050362893**
Option 4 ID : **4050362894**
Status : **Not Answered**
Chosen Option : **--**

Q.9 नीचे दी गयी उत्तर आकृतियों में से एक आकृति माप और दिशा में समान रूप से प्रश्न आकृति में छुपी है। कौन सी सही है, चुनिए।



Options

- 1.
- 2.
- 3.
- 4.

Question Type : **MCQ**

Question ID : **405036755**

Option 1 ID : **4050362814**

Option 2 ID : **4050362813**

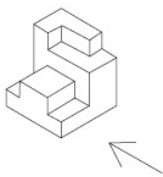
Option 3 ID : **4050362812**

Option 4 ID : **4050362815**

Status : **Answered**

Chosen Option : **3**

Q.10 The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



Options

- 1.
- 2.
- 3.
- 4.

Question Type : **MCQ**

Question ID : **405036739**

Option 1 ID : **4050362748**

Option 2 ID : **4050362749**

Option 3 ID : **4050362751**

Option 4 ID : **4050362750**

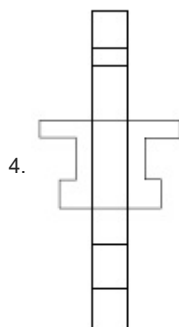
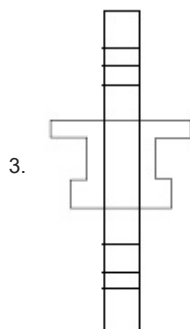
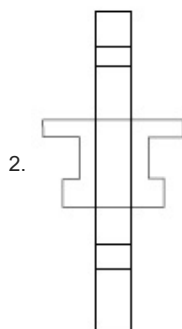
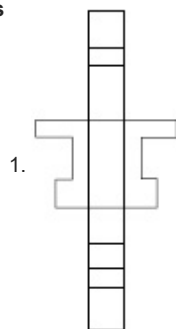
Status : **Answered**

Chosen Option : **3**

Q.11 The 3 - D figure shows the view of an object. Identify the correct view when the figure is opened up, from amongst the answer figures.



Options



Question Type : **MCQ**

Question ID : **405036768**

Option 1 ID : **4050362866**

Option 2 ID : **4050362867**

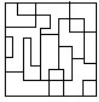
Option 3 ID : **4050362864**

Option 4 ID : **4050362865**

Status : **Answered**

Chosen Option : **1**

Q.12 One of the following answer figures is hidden in the problem figure in the same size and direction. Select the correct one.



Options



Question Type : **MCQ**

Question ID : **405036753**

Option 1 ID : **4050362807**

Option 2 ID : **4050362804**

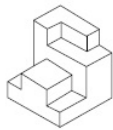
Option 3 ID : **4050362805**

Option 4 ID : **4050362806**

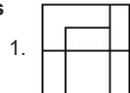
Status : **Answered**

Chosen Option : **3**

Q.13 The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.



Options



Question Type : **MCQ**

Question ID : **405036749**

Option 1 ID : **4050362788**

Option 2 ID : **4050362789**

Option 3 ID : **4050362790**

Option 4 ID : **4050362791**

Status : **Answered**

Chosen Option : **3**

Q.14 Chhatrapati Shivaji Terminus is located in which one of the following cities ?

- Options**
1. Delhi
 2. Bangalore
 3. Kolkata
 4. Mumbai

Question Type : **MCQ**

Question ID : **405036778**

Option 1 ID : **4050362906**

Option 2 ID : **4050362907**

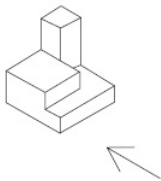
Option 3 ID : **4050362905**

Option 4 ID : **4050362904**

Status : **Answered**

Chosen Option : **1**

Q.15 The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



Options

- 1.
- 2.
- 3.
- 4.

Question Type : **MCQ**

Question ID : **405036738**

Option 1 ID : **4050362744**

Option 2 ID : **4050362745**

Option 3 ID : **4050362747**

Option 4 ID : **4050362746**

Status : **Answered**

Chosen Option : **4**

Q.16 Which one of the following colors absorbs all light falling on it ?

- Options
1. Black
 2. Pink
 3. Blue
 4. Green

Question Type : **MCQ**
Question ID : **405036779**
Option 1 ID : **4050362909**
Option 2 ID : **4050362911**
Option 3 ID : **4050362908**
Option 4 ID : **4050362910**
Status : **Answered**
Chosen Option : **4**

Q.17 In which one of the following countries are Zen gardens popular ?

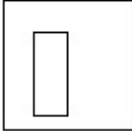
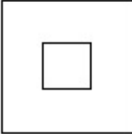
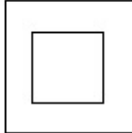
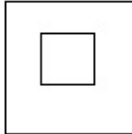
- Options
1. Japan
 2. Pakistan
 3. Thailand
 4. China

Question Type : **MCQ**
Question ID : **405036777**
Option 1 ID : **4050362901**
Option 2 ID : **4050362903**
Option 3 ID : **4050362900**
Option 4 ID : **4050362902**
Status : **Not Answered**
Chosen Option : **--**

Q.18

Find the odd figure out of the problem figures given below.

Options

1. 
2. 
3. 
4. 

Question Type : **MCQ**

Question ID : **405036764**

Option 1 ID : **4050362850**

Option 2 ID : **4050362849**

Option 3 ID : **4050362848**

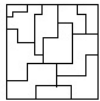
Option 4 ID : **4050362851**

Status : **Answered**

Chosen Option : **4**

Q.19

One of the following answer figures is hidden in the problem figure in the same size and direction. Select the correct one.



Options

1. 
2. 
3. 
4. 

Question Type : **MCQ**

Question ID : **405036751**

Option 1 ID : **4050362798**

Option 2 ID : **4050362799**

Option 3 ID : **4050362797**

Option 4 ID : **4050362796**

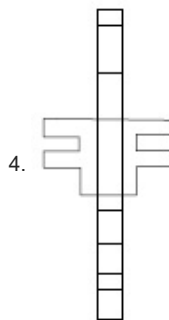
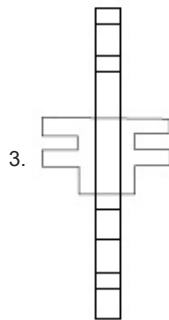
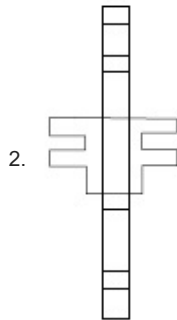
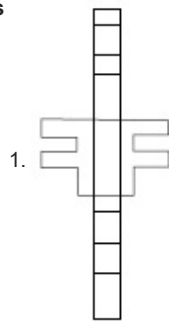
Status : **Answered**

Chosen Option : **1**

Q.20 The 3 - D figure shows the view of an object. Identify the correct view when the figure is opened up, from amongst the answer figures.



Options



Question Type : **MCQ**

Question ID : **405036770**

Option 1 ID : **4050362875**

Option 2 ID : **4050362873**

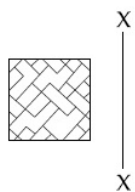
Option 3 ID : **4050362872**

Option 4 ID : **4050362874**

Status : **Answered**

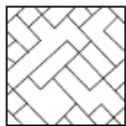
Chosen Option : **3**

Q.21 Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X ?

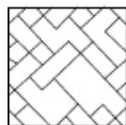


Options

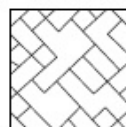
1.



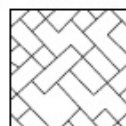
2.



3.



4.



Question Type : **MCQ**

Question ID : **405036759**

Option 1 ID : **4050362831**

Option 2 ID : **4050362830**

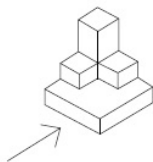
Option 3 ID : **4050362828**

Option 4 ID : **4050362829**

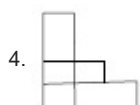
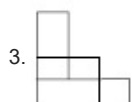
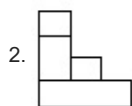
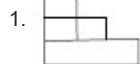
Status : **Answered**

Chosen Option : **4**

Q.22 The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



Options



Question Type : **MCQ**

Question ID : **405036745**

Option 1 ID : **4050362773**

Option 2 ID : **4050362775**

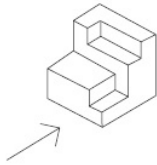
Option 3 ID : **4050362772**

Option 4 ID : **4050362774**

Status : **Answered**

Chosen Option : **1**

Q.23 The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



Options

- 1.
- 2.
- 3.
- 4.

Question Type : **MCQ**

Question ID : **405036741**

Option 1 ID : **4050362756**

Option 2 ID : **4050362758**

Option 3 ID : **4050362759**

Option 4 ID : **4050362757**

Status : **Answered**

Chosen Option : **3**

Q.24 One of the following answer figures is hidden in the problem figure in the same size and direction. Select the correct one.



Options

- 1.
- 2.
- 3.
- 4.

Question Type : **MCQ**

Question ID : **405036752**

Option 1 ID : **4050362802**

Option 2 ID : **4050362801**

Option 3 ID : **4050362800**

Option 4 ID : **4050362803**

Status : **Answered**

Chosen Option : **4**

Q.25 In which one of the following countries is Piazza San Marco located ?

- Options**
1. Italy
 2. Germany
 3. England
 4. France

Question Type : **MCQ**

Question ID : **405036776**

Option 1 ID : **4050362899**

Option 2 ID : **4050362896**

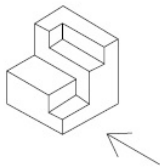
Option 3 ID : **4050362898**

Option 4 ID : **4050362897**

Status : **Not Answered**

Chosen Option : --

Q.26 The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



- Options**
- 1.
 - 2.
 - 3.
 - 4.

Question Type : **MCQ**

Question ID : **405036736**

Option 1 ID : **4050362738**

Option 2 ID : **4050362737**

Option 3 ID : **4050362736**

Option 4 ID : **4050362739**

Status : **Answered**

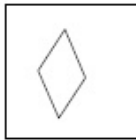
Chosen Option : **1**

Q.27

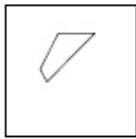
Find the odd figure out of the problem figures given below.

Options

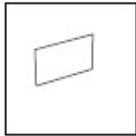
1.



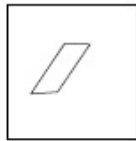
2.



3.



4.



Question Type : **MCQ**

Question ID : **405036765**

Option 1 ID : **4050362855**

Option 2 ID : **4050362854**

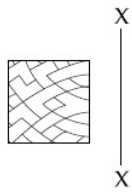
Option 3 ID : **4050362853**

Option 4 ID : **4050362852**

Status : **Answered**

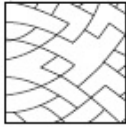
Chosen Option : **1**

Q.28 Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X ?

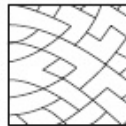


Options

1.



2.



3.



4.



Question Type : **MCQ**

Question ID : **405036760**

Option 1 ID : **4050362834**

Option 2 ID : **4050362835**

Option 3 ID : **4050362833**

Option 4 ID : **4050362832**

Status : **Answered**

Chosen Option : **2**

Q.29 Which one of the following floorings is ideal for indoor badminton courts ?

Options 1. Granite

2. Marble

3. Brick

4. Wood

Question Type : **MCQ**

Question ID : **405036783**

Option 1 ID : **4050362924**

Option 2 ID : **4050362926**

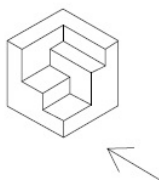
Option 3 ID : **4050362925**

Option 4 ID : **4050362927**

Status : **Not Answered**

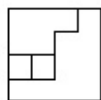
Chosen Option : **--**

Q.30 The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

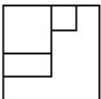


Options

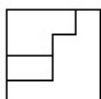
1.



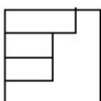
2.



3.



4.



Question Type : **MCQ**

Question ID : **405036737**

Option 1 ID : **4050362740**

Option 2 ID : **4050362741**

Option 3 ID : **4050362743**

Option 4 ID : **4050362742**

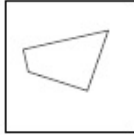
Status : **Answered**

Chosen Option : **3**

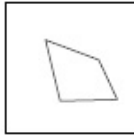
Q.31 Find the odd figure out of the problem figures given below.

Options

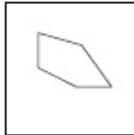
1.



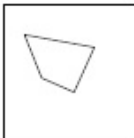
2.



3.



4.



Question Type : **MCQ**

Question ID : **405036763**

Option 1 ID : **4050362847**

Option 2 ID : **4050362845**

Option 3 ID : **4050362846**

Option 4 ID : **4050362844**

Status : **Answered**

Chosen Option : **3**

Q.32 In which one of the following States is the Konark Sun Temple ?

Options 1. Karnataka

2. Haryana

3. Andhra Pradesh

4. Odisha

Question Type : **MCQ**

Question ID : **405036773**

Option 1 ID : **4050362884**

Option 2 ID : **4050362887**

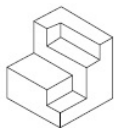
Option 3 ID : **4050362885**

Option 4 ID : **4050362886**

Status : **Answered**

Chosen Option : **4**

Q.33 The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

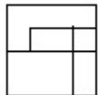


Options

1.



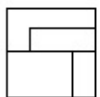
2.



3.



4.



Question Type : **MCQ**

Question ID : **405036746**

Option 1 ID : **4050362779**

Option 2 ID : **4050362778**

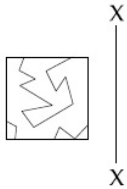
Option 3 ID : **4050362776**

Option 4 ID : **4050362777**

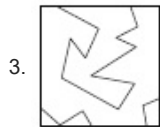
Status : **Answered**

Chosen Option : **4**

Q.34 Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X ?



Options



Question Type : **MCQ**

Question ID : **405036757**

Option 1 ID : **4050362822**

Option 2 ID : **4050362823**

Option 3 ID : **4050362821**

Option 4 ID : **4050362820**

Status : **Answered**

Chosen Option : **3**

Q.35 Which one of the following architects designed the Madhya Pradesh Assembly Building ?

- Options**
1. B.V. Doshi
 2. Raj Rewal
 3. A.P. Kanvinde
 4. Charles Correa

Question Type : **MCQ**

Question ID : **405036784**

Option 1 ID : **4050362931**

Option 2 ID : **4050362928**

Option 3 ID : **4050362930**

Option 4 ID : **4050362929**

Status : **Answered**

Chosen Option : **2**

Q.36 पेरिस में स्थित लूवर निम्नलिखित में से कौन सा एक है?

- Options
1. एक बैक्वेट हॉल
 2. एक संग्रहालय
 3. एक नृत्य हॉल
 4. एक निवास

Question Type : **MCQ**

Question ID : **405036771**

Option 1 ID : **4050362877**

Option 2 ID : **4050362878**

Option 3 ID : **4050362876**

Option 4 ID : **4050362879**

Status : **Not Answered**

Chosen Option : --

Q.37 घरों में द्वार की सामान्य ऊँचाई क्या है?

- Options
1. 2.5 मीटर
 2. 2.1 मीटर
 3. 1.5 मीटर
 4. 2.8 मीटर

Question Type : **MCQ**

Question ID : **405036785**

Option 1 ID : **4050362932**

Option 2 ID : **4050362934**

Option 3 ID : **4050362933**

Option 4 ID : **4050362935**

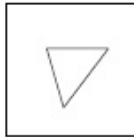
Status : **Answered**

Chosen Option : **1**

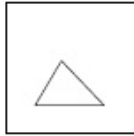
Q.38 Find the odd figure out of the problem figures given below.

Options

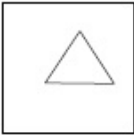
1.



2.



3.



4.



Question Type : **MCQ**

Question ID : **405036761**

Option 1 ID : **4050362838**

Option 2 ID : **4050362836**

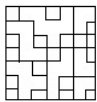
Option 3 ID : **4050362839**

Option 4 ID : **4050362837**

Status : **Answered**

Chosen Option : **4**

Q.39 One of the following answer figures is hidden in the problem figure in the same size and direction. Select the correct one.



Options

1.



2.



3.



4.



Question Type : **MCQ**

Question ID : **405036754**

Option 1 ID : **4050362811**

Option 2 ID : **4050362810**

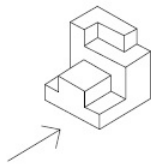
Option 3 ID : **4050362808**

Option 4 ID : **4050362809**

Status : **Answered**

Chosen Option : **2**

Q.40 The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



Options

- 1.
- 2.
- 3.
- 4.

Question Type : **MCQ**

Question ID : **405036744**

Option 1 ID : **4050362769**

Option 2 ID : **4050362771**

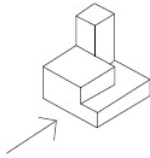
Option 3 ID : **4050362768**

Option 4 ID : **4050362770**

Status : **Answered**

Chosen Option : **1**

Q.41 The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



Options

- 1.
- 2.
- 3.
- 4.

Question Type : **MCQ**

Question ID : **405036743**

Option 1 ID : **4050362766**

Option 2 ID : **4050362765**

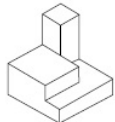
Option 3 ID : **4050362764**

Option 4 ID : **4050362767**

Status : **Answered**

Chosen Option : **2**

Q.42 The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.



Options

- 1.
- 2.
- 3.
- 4.

Question Type : **MCQ**

Question ID : **405036748**

Option 1 ID : **4050362786**

Option 2 ID : **4050362787**

Option 3 ID : **4050362784**

Option 4 ID : **4050362785**

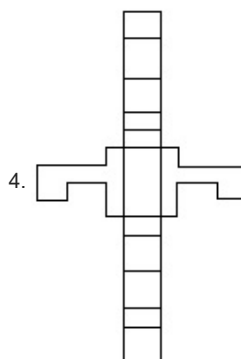
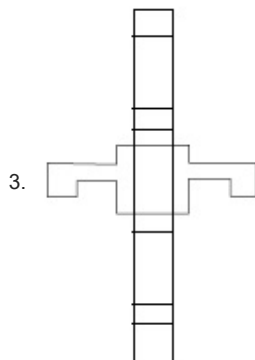
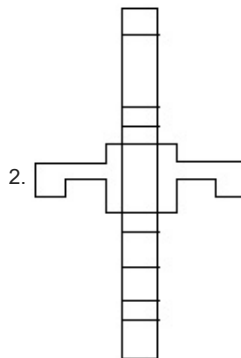
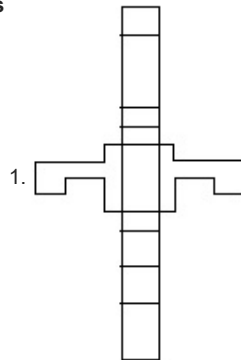
Status : **Answered**

Chosen Option : **3**

Q.43 The 3 - D figure shows the view of an object. Identify the correct view when the figure is opened up, from amongst the answer figures.



Options



Question Type : **MCQ**

Question ID : **405036767**

Option 1 ID : **4050362861**

Option 2 ID : **4050362862**

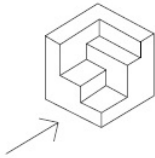
Option 3 ID : **4050362860**

Option 4 ID : **4050362863**

Status : **Answered**

Chosen Option : **2**

Q.44 The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



Options

- 1.
- 2.
- 3.
- 4.

Question Type : **MCQ**

Question ID : **405036742**

Option 1 ID : **4050362761**

Option 2 ID : **4050362760**

Option 3 ID : **4050362763**

Option 4 ID : **4050362762**

Status : **Answered**

Chosen Option : **3**

Q.45 एक आधा ईंट मोटी दीवार की मोटाई कितनी होती है ?

- Options
1. 6"
 2. 4.5"
 3. 9"
 4. 8"

Question Type : **MCQ**

Question ID : **405036774**

Option 1 ID : **4050362889**

Option 2 ID : **4050362890**

Option 3 ID : **4050362888**

Option 4 ID : **4050362891**

Status : **Answered**

Chosen Option : **2**

Q.46 What is the purpose of louvers in buildings ?

- Options**
1. To support buildings
 2. To hide something
 3. As sun breakers
 4. To stop wind from entering

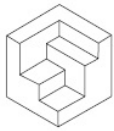
Question Type : **MCQ**
Question ID : **405036782**
Option 1 ID : **4050362920**
Option 2 ID : **4050362923**
Option 3 ID : **4050362922**
Option 4 ID : **4050362921**
Status : **Answered**
Chosen Option : **1**

Q.47 Which one of the following colors is perceived as cowardice ?

- Options**
1. Purple
 2. Orange
 3. Yellow
 4. Pink

Question Type : **MCQ**
Question ID : **405036780**
Option 1 ID : **4050362913**
Option 2 ID : **4050362914**
Option 3 ID : **4050362915**
Option 4 ID : **4050362912**
Status : **Answered**
Chosen Option : **4**

Q.48 The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.



Options



Question Type : **MCQ**

Question ID : **405036747**

Option 1 ID : **4050362783**

Option 2 ID : **4050362781**

Option 3 ID : **4050362780**

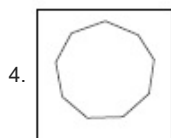
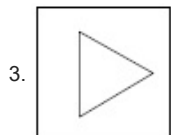
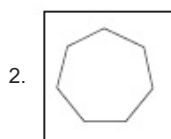
Option 4 ID : **4050362782**

Status : **Answered**

Chosen Option : **4**

Q.49 Find the odd figure out of the problem figures given below.

Options



Question Type : **MCQ**

Question ID : **405036762**

Option 1 ID : **4050362841**

Option 2 ID : **4050362842**

Option 3 ID : **4050362840**

Option 4 ID : **4050362843**

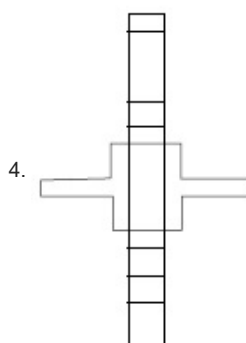
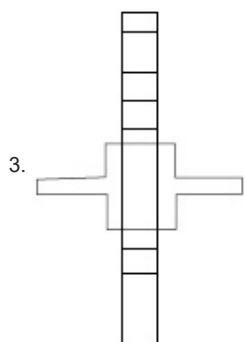
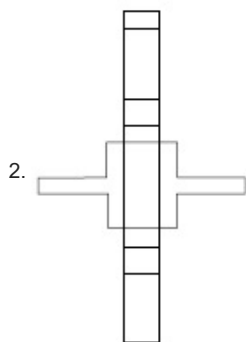
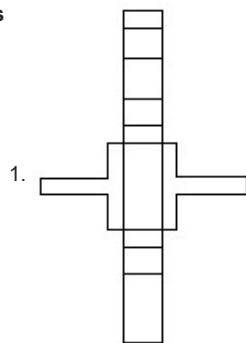
Status : **Answered**

Chosen Option : **1**

Q.50 The 3 - D figure shows the view of an object. Identify the correct view when the figure is opened up, from amongst the answer figures.



Options



Question Type : **MCQ**

Question ID : **405036766**

Option 1 ID : **4050362859**

Option 2 ID : **4050362857**

Option 3 ID : **4050362858**

Option 4 ID : **4050362856**

Status : **Answered**

Chosen Option : **2**

Q. 1 इस प्रश्न के उत्तर के लिए प्रदान की गई जगह में, केवल सिलिन्डरों का उपयोग करके इस स्थान के लिए उपयुक्त एक सौंदर्य संरचना तैयार करें। इन आकृतियों की संख्या, आकार, प्लेसमेंट और दिशानिर्देशों पर कोई प्रतिबंध नहीं है। इस रचना को रंग दें ताकि यह दृष्टि से रोमांचक हो जाए।

Question Type : **SUBJECTIVE**

Question ID : **405036786**

Status : **Answered**

Q. 2 कल्पना से एक जिम्नास्ट को व्यायाम करते हुए चित्रित करें।

अथवा

कल्पना से एक स्कूल के खेल मैदान में बच्चों को खेलते हुए चित्रित करें।

अथवा

स्मृति से एक दादा अथवा दादी का चेहरा चित्रित करें।

Question Type : **SUBJECTIVE**

Question ID : **405036787**

Status : **Not Attempted**