**Section: Mathematics**

**Q.1** Let $A(1, 3)$ and $C(5, 1)$ be two opposite vertices of a rectangle. The other two vertices $B(a, b)$ and $D(c, d)$ lie on the line $y = 2x + k$ for some $k$. Then the value of $(a + b)(c + d)$ is:

- **Options**
  1. 24
  2. 16 $\checkmark$
  3. 8
  4. 32

**Q.2** Let the tangent drawn at any point $P(x, y)$ on a curve intersect the $x$ and $y$ axes at two distinct points $A$ and $B$ respectively. If $AP: PB = 5:1$, and the curve passes through the point $(2, 2)$ then an equation of the curve is:

- **Options**
  1. $xy^5 = 2^6$ $\checkmark$
  2. $x^4y = 2^5$
  3. $x^5y = 2^6$
  4. $xy^4 = 2^5$
Q.3 Let the abscissae of two points A and B on a circle be the roots of $x^2 + 2x - 4 = 0$ and the ordinates of A and B be the roots of $y^2 + 4y - 16 = 0$. If AB is a diameter of this circle, then the radius of this circle is:

Options
1. $2\sqrt{6}$
2. $2\sqrt{10}$
3. 6
4. 5  \(\checkmark\)

Q.4 Let $f : \mathbb{R} \setminus \{0\} \to \mathbb{R}$ be defined by $f(x) = a \log_e |x| + bx^3 + x^2$.

If $x = -1$ and $x = 1$ are the critical points of $f(x)$, then:

Options
1. $x = 1$ is a local minima and $x = -1$ is a local maxima of $f(x)$
2. both $x = 1$ and $x = -1$ are local minima of $f(x)$  \(\checkmark\)
3. $f''(1) + f''(-1) = 0$
4. $f''(1) - f''(-1) = 4$

Q.5
\[ \lim_{x \to 3} \frac{\sqrt{x + 6} - \sin(x - 3) - 3}{(x - 3)\cos(x - 3)} \text{ is equal to:} \]

Options
1. \( \frac{2}{3} \)
2. \( \frac{5}{6} \) \( \checkmark \)
3. \( \frac{1}{6} \)
4. \( \frac{5}{6} \)

Q.6 Let P be the point on the parabola \( y^2 = 3x \)
such that OP makes an angle of \( \frac{\pi}{6} \) with the
x-axis, where O is the origin. A normal is
drawn to the parabola at P intersecting the
axis of the parabola at Q. If S is the focus of
the parabola, then SQ is equal to:

Options
1. \( \frac{39}{4} \) \( \checkmark \)
2. \( \frac{39}{2} \)
3. \( 9 \)
4. \( \frac{41}{4} \)

Q.7
The expression \( \sim(p \leftrightarrow q) \) is equivalent to:

Options 1. \((p \land q) \land (q \land \sim p)\)
2. \(p \land \sim q\)
3. \(p \lor q\)
4. \((\sim p \land q) \lor (\sim q \land p)\)  

Q.8

If \(6 \cos^2\theta - 2 \cos 2\theta - 3 = 0\), then \(\tan^2 3\theta\) is equal to:

Options 1. 1
2. \(\frac{1}{3}\)
3. 3
4. \(\frac{9}{2}\)

Q.9

The sum of the infinite series
\[
1 + \frac{2}{3} + \frac{6}{3^2} + \frac{10}{3^3} + \frac{14}{3^4} + \ldots
\]

is:

Options 1. 4
2. 6
3. 5  
4. \(\frac{9}{2}\)
Q.10 If for two events A and B, in a random experiment, \( P(A \mid B) = \frac{4}{5} \) and \( P(B \mid A) = \frac{1}{4} \), then \( P(A \mid A \cup B) \) is equal to:

Options

1. \( \frac{5}{17} \)
2. \( \frac{16}{17} \) \( \checkmark \)
3. \( \frac{5}{16} \)
4. \( \frac{11}{16} \)

Q.11 Let A be the set of all 3-digit natural numbers and \( B = \{ x \in A : \text{H.C.F.}(x, 15) = 1 \} \). Then the number of elements in B is:

Options

1. 480 \( \checkmark \)
2. 360
3. 240
4. 420
Q.12
Let \( z \neq -1 \) be any complex number such that \( |z| = 1 \). Then the imaginary part of
\[
\frac{\overline{z}(1 - z)}{z(1 + \overline{z})}
\]
is:
(Here \( \theta = \arg z \))

Options
1. \( -\tan\left(\frac{\theta}{2}\right) \cos \theta \) √
2. \( \tan\left(\frac{\theta}{2}\right) \cos \theta \)
3. \( \tan\left(\frac{\theta}{2}\right) \sin \theta \)
4. \( -\tan\left(\frac{\theta}{2}\right) \sin \theta \)

Q.13
The value of
\[
\int_{-3}^{3} \frac{5x^4}{1 + e^{-x}} \, dx
\]
is:

Options
1. \( 3^4 \)
2. \( \frac{3^5}{5} \)
3. \( 2(3^5) \)
4. \( 3^5 \) √

Q.14
If the system of linear equations
\[ x + 4y - 3z = 2 \]
\[ 2x + 7y - 4z = \alpha \]
\[ -x - 5y + 5z = \beta \]
has infinitely many solutions, then the ordered pair \((\alpha, \beta)\) cannot take the value:

Options
1. \((4, -2)\)
2. \((3, -3)\)
3. \((2, -4)\)
4. \((-3, 3)\) \(\checkmark\)

---

Q.15

The area (in sq. units) above the \(x\)-axis bounded by the parabola, \(x - y^2 - 1 = 0\) and the line \(x - y - 3 = 0\) is:

Options
1. \(\frac{13}{3}\)
2. \(\frac{8}{3}\)
3. \(\frac{10}{3}\) \(\checkmark\)
4. 4

---

Q.16
If the two lines \( \frac{x - 2m}{2m + 5} = \frac{y}{8m} = \frac{z - 4}{2} \)
and \( \frac{x - 2}{m - 2} = \frac{y}{-1} = \frac{z - 2m}{1 - 3m} \) are parallel
for some \( m \in \mathbb{R} \), then the distance between
them is:

Options
1. \( 2\sqrt{5} \)
2. \( \sqrt{10} \) √
3. \( \sqrt{29} \)
4. \( \sqrt{34} \)

Question Type : MCQ
Question ID : 41652915594
Option 1 ID : 41652960978
Option 2 ID : 41652960979
Option 3 ID : 41652960981
Option 4 ID : 41652960982
Status : Answered
Chosen Option : 2

\[ \int \frac{\sec x}{\sin x \cdot \cos^5 x} \, dx \] is equal to:

(\text{where } C \text{ is a constant of integration})

Options
1. \( 2(\tan x)^{\frac{1}{2}} + \frac{1}{5}(\tan x)^{\frac{5}{2}} + C \)
2. \( 2(\tan x)^{\frac{1}{2}} + \frac{2}{5}(\tan x)^{\frac{5}{2}} + C \) √
3. \( (\tan x)^{\frac{1}{2}} + \frac{2}{5}(\tan x)^{\frac{5}{2}} + C \)
4. \( 2(\tan x)^{\frac{1}{2}} - \frac{2}{5}(\tan x)^{\frac{5}{2}} + C \)

Question Type : MCQ
Question ID : 41652915594
Option 1 ID : 41652960980
Option 2 ID : 41652960978
Option 3 ID : 41652960979
Option 4 ID : 41652960981
Status : Answered
Chosen Option : 2

Q.18
Let the ellipse $x^2 + 16y^2 = 16$ be inscribed in a rectangle whose sides are parallel to the coordinate axes. If the rectangle is inscribed in another ellipse that passes through the point $(16, 0)$, then the equation of the outer ellipse is:

Options
1. $x^2 + 248y^2 = 16^2$
2. $x^2 + 232y^2 = 16^2$
3. $x^2 + 256y^2 = 16^2$
4. $x^2 + 240y^2 = 16^2$ $\checkmark$

Q.19
Let $f$ be a continuous function defined by

$$f(x) = \begin{cases} 
\frac{a \sin 2x - b \cos x}{\frac{\pi}{2} - x}, & x > \frac{\pi}{2} \\
\frac{\pi}{2} - x, & x = \frac{\pi}{2} \\
4, & x < \frac{\pi}{2} \\
\frac{2b \cos x}{\frac{\pi}{2} - x}, & x < \frac{\pi}{2}
\end{cases}$$

Then the value of $a + b$ is:

Options
1. 1
2. 8
3. 5 $\checkmark$
4. 4

Question Type: MCQ
Question ID: 41652915590
Option 1 ID: 41652960962
Option 2 ID: 41652960965
Option 3 ID: 41652960964
Option 4 ID: 41652960963
Status: Answered
Chosen Option: 3
Q.20
Let \( A \) be a \( 2 \times 2 \) matrix such that \( A^2 + A + I = 0 \), where \( I = I_2 \). Then \( \left|\text{adj}(I - A)^5\right| \) is equal to:

Options 1. \( 3^4 \)
2. \( 3^3 \)
3. \( 3^9 \)
4. \( 3^6 \) \( \checkmark \)

Q.21
Let \( y \) be an implicit function of \( x \) defined by
\[
\begin{vmatrix}
  x + y & 2 & 1 \\
  1 & x + y & 2 \\
  1 & 2 & x + y
\end{vmatrix} + 12y = 0.
\]
If \( y(0) = -1 \), then \( \frac{dy}{dx} \) at \( x = 0 \) is:

Options 1. \( -\frac{1}{2} \)
2. \( \frac{5}{4} \)
3. \( -\frac{4}{5} \)
4. \( \frac{1}{2} \) \( \checkmark \)

Q.22
If \( x_1, x_2, \ldots, x_n \) be the observed data such that \( \sum_{i=1}^{n} x_i - 2n = 180 \) and \( \sum_{i=1}^{n} x_i - 7n = 30 \), then the mean of the data \( (x_1 - 3), (x_2 - 3), \ldots, (x_n - 3) \) is equal to:

Options

1. 5  ✔
2. \( \frac{16}{3} \)
3. 8
4. \( \frac{13}{3} \)

Q.23 Let the planes \( x - 2y + k z = 0 \) and \( x + 5y - z = 0 \) be perpendicular. Then the plane through the point \( (2, -2, -2) \) and perpendicular to the given planes also passes through the point:

Options

1. \((0, 5, -8)\)
2. \((1, 0, 7)\)  ✔
3. \((0, 5, 8)\)
4. \((-1, 0, -7)\)
If three vectors \( \vec{V}_1 = \alpha \hat{i} + \hat{j} + \hat{k} \), 
\( \vec{V}_2 = \hat{i} + \beta \hat{j} - 2 \hat{k} \) and \( \vec{V}_3 = \hat{i} + \hat{j} \) are 
coplanar, and \( \vec{V}_1 \) and \( \vec{V}_3 \) are 
perpendicular, then the vector \( \vec{V}_1 \times \vec{V}_2 \) 
is:

Options
1. \( \hat{i} - \hat{j} + 2 \hat{k} \)  
2. \( -\hat{i} + \hat{j} \) 
3. \( 2 \hat{i} - 2 \hat{j} + \hat{k} \) 
4. \( -\hat{i} + \hat{j} + 2 \hat{k} \)

Q.25 Let \( f : [0, 5] \rightarrow \mathbb{R} \) be a continuous function 
such that \( |f(x)| \leq 3 \) for all \( x \in [0, 5] \) and 
\[ \int_{0}^{5} f(t) \, dt = 3. \] Then the value of \( \int_{0}^{3} f(t) \, dt \) 

Options
1. 12
2. 6  
3. 10
4. -4

Q.26
Let $R$ be a relation defined on $\mathbb{Z} \times \mathbb{Z}$ by 
$(a, b) \; R \; (c, d) \iff a - d = b - c$, where $\mathbb{Z}$ is the set of all integers, then $R$ is:

1. symmetric but neither reflexive nor transitive. [$\checkmark$]
2. symmetric and transitive but not reflexive.
3. transitive but neither reflexive nor symmetric.
4. reflexive but neither symmetric nor transitive.

**Q.27**

If $a$, $b$ and $c$ (all distinct) are the sides of a triangle $ABC$ opposite to the angles $A$, $B$ and $C$, respectively, then 
$$\frac{c \sin(A - B)}{a^2 - b^2} - \frac{b \sin(C - A)}{c^2 - a^2}$$

is equal to:

Options
1. $-1$
2. $1$
3. $2$
4. $0$ [$\checkmark$]

**Q.28**

The set of all real values of $\alpha$ for which the equation, $|x + 2| |x - 2| = \alpha^2 - 2\alpha$ has real solutions for $x$, is:

Options
1. $[-1 - \sqrt{5}, 1 - \sqrt{5}] \cup [1 + \sqrt{5}, \infty)$
2. \((-\infty, 0] \cup [2, 1 + \sqrt{5}]\)
3. \([1 - \sqrt{5}, 0] \cup [2, 1 + \sqrt{5}]\) ✓
4. \((-\infty, 0] \cup [2, \infty)\)

Q.29  In an increasing geometric series, the sum of the first and the sixth term is 66 and the product of the second and the fifth terms is 128. Then the sum of the first 6 terms of this series is:

Options 1. 128
2. 126 ✓
3. 127
4. 129

Q.30  If \(r\) is the remainder obtained on dividing \((98)^5\) by 12, then the coefficient of \(x^3\) in the Binomial expansion of \(\left(1 + \frac{x}{2}\right)^{2r}\) is:

Options 1. 102
2. 70 ✓
3. \(\frac{55}{2}\)
4. \(\frac{91}{2}\)
Questions and Answers:

**Question 1:**

Q.1 Rooms with white painted walls appears to be which of the following?

Options:
1. Darker
2. Smaller
3. Narrower
4. Larger ✓

**Question 2:**

Q.2 The most famous temple in the Khajuraho group of temples is which one of the following?

Options:
1. Shiva Temple
2. Kandariya Mahadev Temple ✓
3. Krishna Temple
4. Ganesh Temple

**Section:** Aptitude Test

Comprehension:

SubQuestion No : 1

**Q.1** Rooms with white painted walls appears to be which of the following?

Options:
1. Darker
2. Smaller
3. Narrower
4. Larger ✓

**Question Type:** MCQ

**Question ID:** 41652915586

**Option 1 ID:** 41652960948

**Option 2 ID:** 41652960949

**Option 3 ID:** 41652960946

**Option 4 ID:** 41652960947

**Status:** Not Answered

**Chosen Option:** --

---

**Question 2:**

Q.2 The most famous temple in the Khajuraho group of temples is which one of the following?

Options:
1. Shiva Temple
2. Kandariya Mahadev Temple ✓
3. Krishna Temple
4. Ganesh Temple

**Question Type:** MCQ

**Question ID:** 41652915624

**Option 1 ID:** 41652961096

**Option 2 ID:** 41652961094

**Option 3 ID:** 41652961097

**Option 4 ID:** 41652961095

**Status:** Answered

**Chosen Option:** 4
Comprehension:

SubQuestion No : 3

Q.3 The Sas Bahu Temple is located in which of the following?

Options
1. Gwalior Fort ✓
2. Jhansi Fort
3. Red Fort
4. Jaipur Fort

Question Type: MCQ
Question ID: 41652915618
Option 1 ID: 41652961072
Option 2 ID: 41652961071
Option 3 ID: 41652961070
Option 4 ID: 41652961073
Status: Answered
Chosen Option: 2

Comprehension:

SubQuestion No : 4

Q.4 The fort in Hyderabad is known as which of the following?

Options
1. Bahubali
2. Virbanda
3. Siladhari
4. Golconda ✓

Question Type: MCQ
Question ID: 41652915616
Option 1 ID: 41652961062
Option 2 ID: 41652961065
Option 3 ID: 41652961064
Option 4 ID: 41652961063
Status: Answered
Chosen Option: 2

Comprehension:

SubQuestion No : 5

Q.5 The Lotus Temple is located in which one of the following city?

Options
1. Kanpur
2. New Delhi ✓
3. Lucknow
4. Nagpur

Comprehension:

SubQuestion No : 6
Q.6 Which one of the following is the tallest building in Bengaluru?
Options
1. World Trade Centre
2. Concord Tower
3. Mantri Pinnacle ✓
4. U B Tower

Comprehension:

SubQuestion No : 7
Q.7 Cement Plaster is used for which of the following?
Options
1. Making roofs
2. Covering walls ✓
3. Making floors
4. Making staircases
Q.8 Which amongst the following is the city in Italy that is known for its leaning tower?

Options
1. Florence
2. Venice
3. Rome
4. Pisa ✓

Q.9 A small lift for carrying small loads only is known as which of the following?

Options
1. A deaf bearer
2. A jockey boy
3. A push upper
4. A dumb waiter ✓

Q.10 Which one of the following is a UNESCO World Heritage Site?

Options
1. Kochi
2. Bijnor
3. Hampi  ✓
4. Bijapur

Comprehension:

SubQuestion No : 11
Q.11 An escalator moves in which of the following directions?

Options
1. Vertically and Horizontally ✓
2. In steps
3. Only vertically
4. Only horizontally

Comprehension:

SubQuestion No : 12
Q.12 Helical staircases are which one of the following?

Options
1. Staircases with no railings
2. Straight flights
3. Curving staircases ✓
4. Dog leg staircases
Comprehension:

SubQuestion No: 13
Q.13 Parquet flooring is usually made of which of the following?

Options
1. Wood ✓
2. Cement
3. Granite
4. Marble

Comprehension:

SubQuestion No: 14
Q.14 Zaha Hadid was born in which country amongst the following?

Options
1. Iran
2. Afghanistan
3. Iraq ✓
4. Turkistan

Comprehension:

SubQuestion No: 15
Q.15
Hindustan Parryware in the Indian market is known for which of the following product?

- 1. Wall tiles
- 2. Wooden tables
- 3. Sanitary ware ✓
- 4. Pipes

Comprehension:

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

SubQuestion No : 16

Q.16

Options

- 1.  
- 2.  
- 3. ✓
- 4.  

Comprehension:

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

SubQuestion No : 17

Q.17
Options

1. 

2. 

3. ✓

4. 

Comprehension:

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

SubQuestion No: 18

Q.18

Options

1. 

2. 

3. ✓

4. 

Comprehension:

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

SubQuestion No: 19
**Q.19**

**Options**

1. 

2. ✓

3. 

4. 

---

**Comprehension:**

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

**SubQuestion No : 20**

**Q.20**

**Options**

1. 

2. 

3. ✓

4. 

---

**Comprehension:**

Directions: Which one of the answer figure will complete the sequence of the three problem figures?
SubQuestion No : 21

Q.21

Options
1. [Image of option]
2. [Image of option]
3. [Image of option] ✓
4. [Image of option]

Comprehension:

Directions: Which one of the answer figure will complete the sequence of the three problem figures?

SubQuestion No : 22

Q.22

Options
1. [Image of option]
2. [Image of option]
3. [Image of option] ✓
4. [Image of option]

Question Type : MCQ
Comprehension:

Directions: Which one of the answer figure will complete the sequence of the three problem figures?

SubQuestion No: 23

Q.23

Options

1. 
2. 
3. 
4. 

Comprehension:

Directions: Which one of the answer figure will complete the sequence of the three problem figures?

SubQuestion No: 24

Q.24

Options

1. 

Chosen Option: 3

Chosen Option: 4
2.

3.

4.

Comprehension:

Directions: Which one of the answer figures will complete the sequence of the three problem figures?

SubQuestion No: 25

Q.25

Options

1. ✓

2.

3.

4.

Comprehension:

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

SubQuestion No: 26

Q.26
Comprehension:

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

SubQuestion No: 27

Q.27

Options

1. 

Status: Answered
Chosen Option: 2
Comprehension:

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

SubQuestion No: 28

Q.28

Options

1. 

2. 

3. 

4. ✔️
Comprehension:

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

Q.29

SubQuestion No: 29

Options

1.

2.

3. ✓

4.

Q.30

Comprehension:

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

SubQuestion No: 30
Comprehension:

**Directions:** Which one of the answer figures is the correct mirror image of the problem figure with respect to X-X?

**SubQuestion No:** 31

**Q.31**

Options

1. 

2. 

3. 

4. 

**Question Type:** MCQ
**Question ID:** 41652915643
**Option 1 ID:** 41652961159
**Option 2 ID:** 41652961161
**Option 3 ID:** 41652961158
**Option 4 ID:** 41652961160
**Status:** Answered
**Chosen Option:** 2
Comprehension:

Directions: Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X?

SubQuestion No: 32

Q.32

Options

1. 

2. ✓

3. 

4. 
Comprehension:

Directions: Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X?

SubQuestion No : 33

Q.33

Options

1. 

2. 

3. 

4. 

Chosen Option : 1

Comprehension:

Directions: Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X?

SubQuestion No : 34

Q.34
Comprehension:

Directions: Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X?

SubQuestion No : 35

Q.35
Comprehension:

Directions: The problem figure shows the top view of an object. Identify the correct elevation from amongst the answer figures looking in the direction of the arrow.

SubQuestion No : 36

Option 1 ID : 41652961196
Option 2 ID : 41652961197
Option 3 ID : 41652961195
Option 4 ID : 41652961194
Status : Answered
Chosen Option : 1
Comprehension:

Directions: The problem figure shows the top view of an object. Identify the correct elevation from amongst the answer figures looking in the direction of the arrow.

SubQuestion No : 37

Q.37

Options

1. 

2. 

3. 

4. 

Chosen Option : 3

---

Comprehension:

Directions: The problem figure shows the top view of an object. Identify the correct elevation from amongst the answer figures looking in the direction of the arrow.

SubQuestion No : 38

Q.38

Options
Comprehension:

Directions: The problem figure shows the top view of an object. Identify the correct elevation from amongst the answer figures looking in the direction of the arrow.

SubQuestion No: 39

Options

1. 

2. 

Question Type: MCQ

Question ID: 41652915652
Option 1 ID: 41652961188
Option 2 ID: 41652961187
Option 3 ID: 41652961186
Option 4 ID: 41652961189

Status: Answered
Chosen Option: 1
Comprehension:

Directions: The problem figure shows the top view of an object. Identify the correct elevation from amongst the answer figures looking in the direction of the arrow.

SubQuestion No: 40

Options

1. 

2. ✓

3. 

4. 

Question Type: MCQ
Question ID: 41652915651
Option 1 ID: 41652961182
Option 2 ID: 41652961184
Comprehension:

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

SubQuestion No: 41

Q.41

Options

1.

2.

3. ✓

4.

Comprehension:

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

SubQuestion No: 42

Q.42

Options
1. 
2. ✔️
3. 
4. 

Comprehension:

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

SubQuestion No: 43

Q.43

Options
1. ✔️
2. 
3. 
4. 

Question Type: MCQ
Question ID: 41652915657
Option 1 ID: 41652961203
Option 2 ID: 41652961204
Option 3 ID: 41652961205
Option 4 ID: 41652961202
Status: Answered
Chosen Option: 2
Comprehension:
Directions: The 3D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

Q.44

Options

1. 

2. ✓

3. 

4. 

Comprehension:
Directions: The 3D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

Q.45
Comprehension:
Directions: The 3D figure shows the view of an object. Identify the correct side view looking in the direction of the arrow, from amongst the answer figures.

SubQuestion No: 46

Q.46

Options
1. 
2. ✓
3. 
4. 

Question Type: MCQ
Question ID: 41652915659
Option 1 ID: 41652961211
Option 2 ID: 41652961213
Option 3 ID: 41652961210
Option 4 ID: 41652961212
Status: Answered
Chosen Option: 1
Comprehension:

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

SubQuestion No : 47

Q.47

Options
1.
2.
3. ✓
4.

Comprehension:

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

SubQuestion No : 48

Q.48
Comprehension:

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

SubQuestion No: 49

Q.49

Options

1. [Diagram]

2. [Diagram]

3. [Diagram] ✓

4. [Diagram]
Question Type: MCQ
Question ID: 41652915664
Option 1 ID: 41652961227
Option 2 ID: 41652961226
Option 3 ID: 41652961229
Option 4 ID: 41652961228
Status: Answered
Chosen Option: 1

Comprehension:

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

SubQuestion No: 50

Q.50

Options

1. 

2. 

3. 

4. 

Section: Drawing

Q. 1

Question Type: SUBJECTIVE
Question ID: 41652915668
Status: Answered
In the space provided in the answer sheet for this question, draw margin lines to form a frame. In this frame create an aesthetic composition using only cubes. These can be of any size, and may be placed separate, overlapping or within each other. The idea is to produce an aesthetic and visually exciting composition of these shapes in the frame without making it represent any realistic form like house face etc. These shapes and the other spaces should be filled with some colors of your choice so that the visual quality of the composition is enhanced.

20 marks

Q. 2

Copy the graphic image shown in the space provided for the answer of this question. Credit will be given to the exactness of your answer.

20 marks

Q. 3
In the space provided for the answer of this question attempt any ONE of the following: 30 marks

Design and draw an appropriate pattern for a square table cloth. Color or shade it to enhance its visual quality.

OR

Draw a picture of a classroom looking towards the teacher from behind the students.

OR

Draw from imagination a picture of an officer sitting in his office.