

I- ARCH NATA COACHING CENTRE
2023 JEE (B.ARCH) 1st ATTEMPT QUESTION PAPER

Section : **Mathematics Section A**

Q.1 Let $PL = 8$ units and $QM = 2$ units be two parallel line segments such that the line segments PM and QL intersect at the point R . If PL and QM are tangents to a circle passing through points P, Q, R then radius of this circle is

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

Correct answer: (2)

Q.2 Which of the following statements is a tautology ?

- Options**
1. $((p \wedge q) \Rightarrow p) \Rightarrow q$
 2. $((p \Rightarrow q) \vee p) \Rightarrow p$
 3. $((p \Rightarrow q) \vee p) \Rightarrow q$
 4. $((p \wedge q) \wedge (\sim q)) \Rightarrow p$

Correct answer: (4)

Q.3 The sum of the first eleven terms of the series is $\frac{1}{1+1^2+1^4} + \frac{2}{1+2^2+2^4} + \frac{3}{1+3^2+3^4} + \dots$

- Options**
1. $\frac{66}{133}$
 2. $\frac{16}{33}$
 3. $\frac{33}{67}$
 4. $\frac{61}{133}$

Correct answer: (1)

Q.4 A box contains 7 red and 9 white balls. The number of ways of drawing 8 balls such that there are at least three balls of each colour, is :

- Options**
1. 8820
 2. 3515
 3. 10584
 4. 1764

Correct answer: (3)

Q.5 The probability that a randomly selected root of the equation $1 + x + x^2 + \dots + x^{118} = 0$ satisfies the equation $x^7 = 1$, is

- Options**
1. $\frac{1}{59}$
 2. $\frac{7}{118}$
 3. $\frac{3}{59}$
 4. 0

Correc answer: (3)

Q.6 The domain of the function $f(x) = \cos^{-1}\left(\frac{x^2 - 3x + 2}{x^2 + 2x - 1}\right)$ is :

- Options**
1. $\left[\frac{3}{5}, \infty\right)$
 2. $\mathbb{R} - \{-\sqrt{2} - 1, \sqrt{2} - 1\}$
 3. $\left(\sqrt{2} - 1, \frac{3}{5}\right]$
 4. $(-\infty, -1 - \sqrt{2}) \cup (\sqrt{2} - 1, \infty)$

Correct answer: (1)

Q.7 For $z = 2 + 5i$, the modulus of $2z^3 + 21z^2 - 58z + 4$ is :

- Options**
1. 537
 2. 837
 3. 947
 4. 1153

Correct answer: (2)

Q.8 Let $P(\alpha, \beta, \lambda)$ be the image of the point $Q(1, 2, 0)$ in the line $\frac{x-5}{3} = \frac{y-12}{1} = \frac{z-10}{2}$, then $(PQ)^2$ is

equal to

- Options**
1. 90
 2. 360
 3. 270
 4. 180

Correct answer: (2)

Q.9 If the system of equations

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

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

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

has infinitely many solutions, then K^2 is

- Options**
1. 3
 2. $\frac{1}{3}$
 3. 27
 4. 9

Correct answer: (1)

Q.10 If the plane $y = \alpha x - \beta z + \gamma$ passing through the point $(1, -1, 3)$ is perpendicular to each of the planes $2x + y + z = 1$ and $3x - 2y + 2z = 0$, then $\alpha + \beta + \gamma$ is equal to :

Options 1. 27

2. 13

3. 5

4. 19

Correct answer: (1)

Q.11 $\lim_{x \rightarrow 0} (1 + 3x)^{\frac{x+2}{x}}$ is equal to

Options 1. e

2. e^3

3. e^6

4. e^9

Correct answer: (3)

Q.12 Let α and β be the roots of $x^2 - 3x + 9 = 0$. Then $\left(\frac{\beta^{30}}{(9\alpha)^{10}} + \frac{\alpha^{30}}{(9\beta)^{10}} \right)^2$ is equal to

Options 1. 3

2. 1

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

4. 9

Correct answer: (2)

Q.13 Let X have the binomial distribution $B(n, p)$. If its mean is 3 and variance is 2, then $P(X < \frac{n}{4})$ is equal to :

- Options**
1. $\frac{29 \times 2^8}{3^9}$
 2. $\frac{25 \times 2^9}{3^9}$
 3. $\frac{835}{3^9}$
 4. $\frac{163}{3^9}$

Correct answer: (1)

Q.14 Let $[t]$ denote the greatest integer function. If $\int_0^1 [1+x^2+x^4] dx = a$, then $36a - 25a^2 + 8a^3 - a^4$ is equal to

- Options**
1. -19
 2. 18
 3. 19
 4. -21

Correct answer: (3)

Q.15 Let $A_i(x_i, y_i)$, $i = 1, 2, 3$ be points on the circle $x^2 + y^2 = 10$ such that A_1 lies in the 1st quadrant and it is the image of point A_2 with respect to y -axis. If the distance of point A_1 from each of the points A_2 and A_3 is 2, then twenty times the area of the $\Delta A_1 A_2 A_3$ is

- Options**
1. 24
 2. 12
 3. 48
 4. 30

Correct answer: (1)

Q.16 The remainder when 7^{89} is divided by 15 is

Options 1. 5

2. 11

3. 7

4. 9

Correct answer: (3)

Q.17 For some $\alpha \in \mathbb{N}$, let PQR be a triangle with two fixed vertices P(2, 5) and Q(α , -11). If the point R moves on the line $l_1: 9x + 7y + \alpha = 0$, then the centroid of ΔPQR moves on the line l_2 , which is parallel to l_1 at a distance $\frac{20}{3\sqrt{130}}$ units from it. If the distance of Q from l_2 is $\frac{k}{3\sqrt{130}}$, then k is equal to :

Options 1. 117

2. 129

3. 131

4. 133

Correct answer: (3)

Q.18 Let $\vec{a} = \hat{i} + 2\hat{j} + 3\hat{k}$, $\vec{b} = \hat{i} - \hat{j} + 2\hat{k}$, $\vec{c} = 2\hat{i} + \hat{j} - 4\hat{k}$ be three vectors. If \vec{r} is the vector such that $\vec{r} \times \vec{a} = (\vec{b} + \vec{c}) \times \vec{a}$ and $\vec{r} \cdot (\vec{b} - \vec{c}) = 0$, then $\vec{r} \cdot (\hat{i} + \hat{j} - \hat{k})$ is equal to :

Options 1. 3

2. 4

3. 6

4. 5

Correct answer: (4)

Q.19 Let R_1 and R_2 be two relations on \mathbb{R}^2 defined as

$$(a, b) R_1 (c, d) \text{ if } ad - bc \geq 0$$

$$(a, b) R_2 (c, d) \text{ if } a + d \geq b + c. \text{ Then :}$$

- Options
1. R_1 is transitive but R_2 is not transitive
 2. Both R_1 and R_2 are transitive
 3. Neither R_1 nor R_2 is transitive
 4. R_2 is transitive but R_1 is not transitive

Correct answer: (4)

Q.20 For $\alpha, \beta \in \mathbb{R}$, if the matrices $A = \begin{pmatrix} \alpha & 0 \\ 0 & \beta \end{pmatrix}$, $B = \begin{pmatrix} \alpha & 0 \\ 0 & \alpha \end{pmatrix}$ and $I = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$ satisfy the equation

$(A * B) * 2I = 20I$, where $*$ is defined as $A * B = A^2 + B^2$, then $|\alpha\beta|$ is equal to :

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

Correct answer: (1)

Section : Mathematics Section B

Q.21 Let $(1+x^2-x^4)^{12} = \sum_{n=0}^{48} a_n x^n$. Then $a_0 + a_2 + a_4 + \dots + a_{44}$ is equal to

Given --
Answer :

Correct answer: 12

Q.22 Let O be the origin and let the vectors $\overrightarrow{OA} = -3\hat{i} + 7\hat{j} + 5\hat{k}$, $\overrightarrow{OB} = -5\hat{i} + 7\hat{j} - 3\hat{k}$ and $\overrightarrow{OC} = \hat{u}$ represent three sides of a parallelepiped, where \hat{u} is a unit vector in the xy - plane. If the maximum volume of the parallelepiped is $2\sqrt{\alpha}$, then α is equal to _____.

Given --
Answer :

Correct answer: 1073

Q.23 If S_n denotes the sum of first n terms of the series $7 + 10 + 16 + 25 + 37 + \dots$, then $S_{30} - S_{20}$ is equal to _____.

Given --
Answer :

Correct answer: 9565

Q.24 If the solution curve of the differential equation $\frac{x+y-2}{x+y-1} \frac{dy}{dx} = \frac{x+y+2}{x+y+1}$, $x+y > 2$ passes through the points $(\sqrt{2}, \sqrt{2})$ and $(2, \alpha)$, then $2\alpha - \log_e \left(\frac{\alpha^2 + 4\alpha + 2}{6} \right)$ is equal to _____.

Given --
Answer :

Correct answer: 4

Q.25 Let α_1, α_2 be the values of α such that the distance between the point $(2, 4, 3)$ and the plane $3x + y + \alpha z + 10 = 0$ is $\sqrt{35}$ units. Then the area of the triangle with vertices $(\alpha_1, \alpha_2, 0)$, $(\alpha_2, \alpha_1, 0)$ and $\left(\frac{164}{13}, 5, 0\right)$ is _____ unit².

Given --
Answer :

Correct answer: 35

Q.26 If $\int \frac{dx}{(3x^2+5)\sqrt{10x^2+7}} = -\frac{1}{\sqrt{580}} \log_e |f(x)| + C$ where C is an arbitrary constant, then $f(0)$ is equal to

Given --
Answer :

Correct answer: 1

Q.27 The curve $y = x^2 + 1$ divides the area enclosed by the curves $y + |x| = 3$ and $y = |x-1|$ in the ratio $m : n$, where m and n are coprime, then $m + n$ is equal to _____.

Given --
Answer :

Correct answer: 24

Q.28 If $[t]$ denotes the greatest integer $\leq t$, then the number of points, at which the function $f(x) = [x+x^3] + |x-x^3| + \left|x + \frac{1}{2}\right|$ is not differentiable in the open interval $(-10, 10)$, is _____.

Given --
Answer :

Correct answer: 2020

Q.29 The number of ways in which 30 identical pens can be distributed among 12 students so that each student gets at least one pen and exactly two students get at least two pens each, is _____.

Given 2
Answer :

Correct answer: 1122

Q.30 Let the equation of the hyperbola with foci $(1, 5)$, $(1, -1)$ and eccentricity $\sqrt{3}$ be $x^2 - 2y^2 + ax + by + c = 0$. Then $|a + b + c|$ is equal to _____.

Given --
Answer :

Correct answer: 5

Section : Aptitude Test

Q.31 The scale of a map is 1:1000. If a car travels 7 cm from point 'A' to point 'B' on the Map. Then how much the car has travelled in original:-

- Options
1. 7000 mm
 2. 0.7 km
 3. 70 meter
 4. 7 km

Correct answer: (3)

Q.32 A land size of 80 meter \times 40 meter for a house design is drawn on paper at a scale of 1:100, then what size is drawn on paper to represent the land?

- Options**
1. 4 meter \times 2 meter
 2. 8 centimeter \times 4 centimeter
 3. 8 meter \times 4 meter
 4. 80 meter \times 40 meter

Correct answer: (4)

Q.33 In a code language if ROMAN is written as TQOCP: then ITALY is.....

- Options**
1. KVCNA
 2. KWCNB
 3. KVCMA
 4. KUCLA

Correct answer: (1)

Q.34 Identify the mirror image of the given word:-

SUCCESS

- Options**
1. 22ECCUS
 2. SSECCUS
 3. 22ECCUS
 4. SUCCESS

Correct answer: (3)

Q.35 In which State of India, Robbers cave is situated:

- Options**
1. Himachal Pradesh
 2. Madhya Pradesh
 3. Uttar Pradesh
 4. Uttarakhand

Correct answer: (4)

Q.36 Who is the architect of the famous "Jawaharlal Kala Complex" in Jaipur?

- Options**
1. Hafeez Contractor
 2. Achyut Kanvinde
 3. Charles Correa
 4. Raj Rewal

Correct answer: (3)

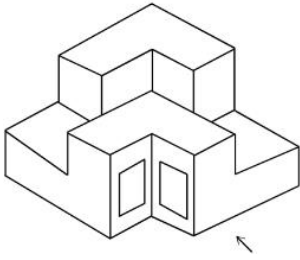
Q.37 Find the missing number in given series.

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

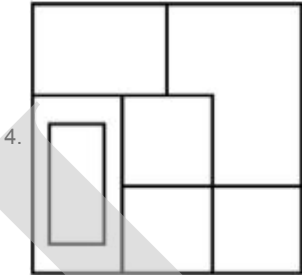
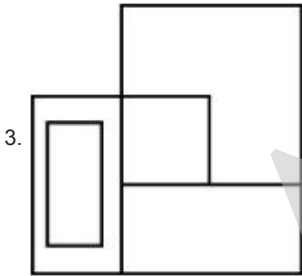
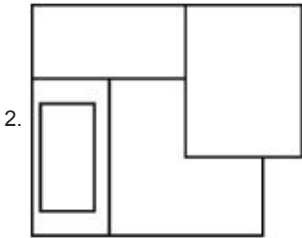
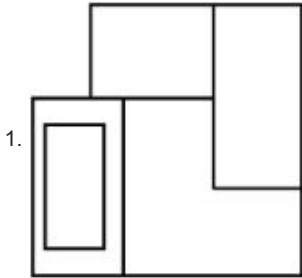
- Options**
1. 523
 2. 520
 3. 521
 4. 524

Correct answer: (1)

Q.38 The question figure shows the 3-D view of an object. Identify the correct view, looking in the direction of arrow.

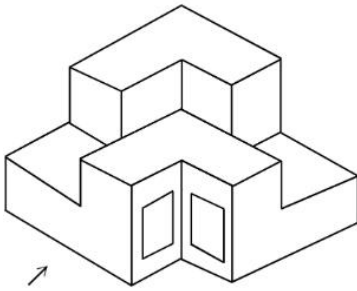


Options

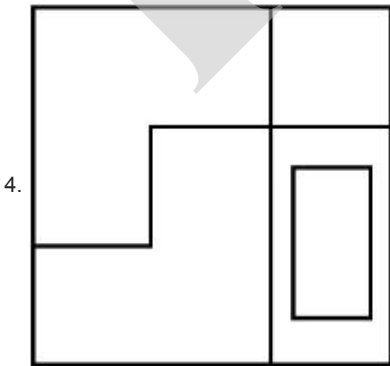
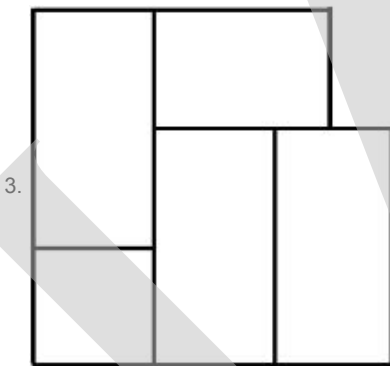
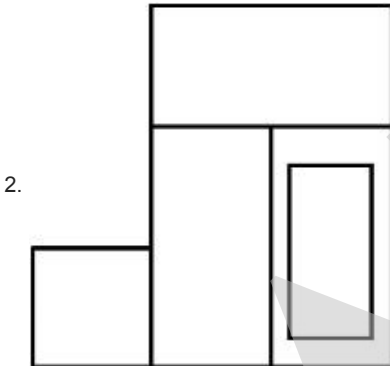
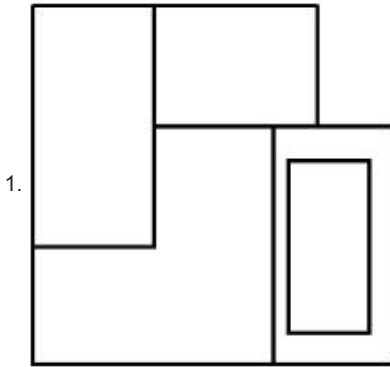


Correct answer: (1)

Q.39 The question figure shows the 3-D view of an object. Identify the correct view, looking in the direction of arrow.

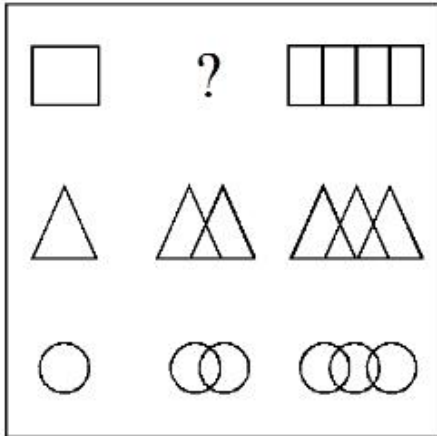


Options

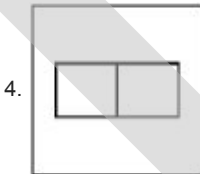
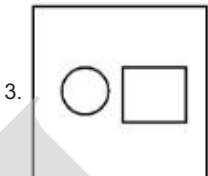
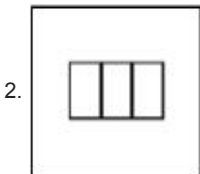
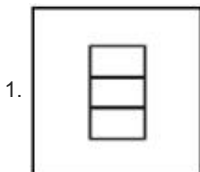


Correct answer: (1)

Q.40 In the figure mentioned below find the missing series:-



Options



Correct answer: (2)

Q.41 Which one of these is not a complimentary colour?

- Options**
1. Violet-Yellow
 2. Blue-Orange
 3. Red-Green
 4. Blue-Green

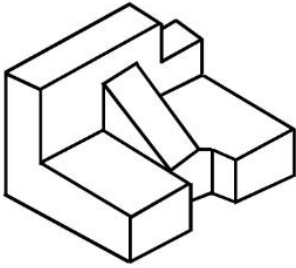
Correct answer: (4)

Q.42 A residential building has 15 floors. The height of ground floor is 4.2 meter (including length and slab thickness). Rest all other floors are of 3.3 meter high (including slab thickness). What is the total height of the building (from ground to terrace) in meters?

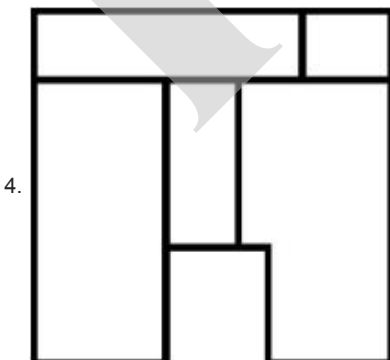
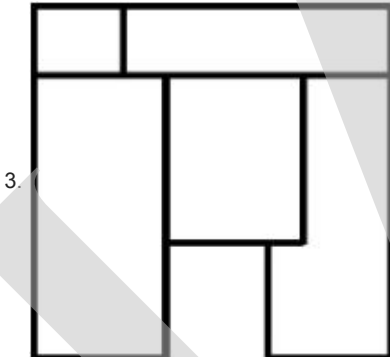
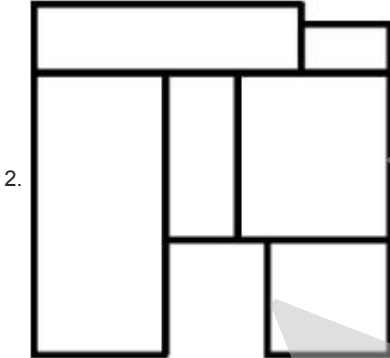
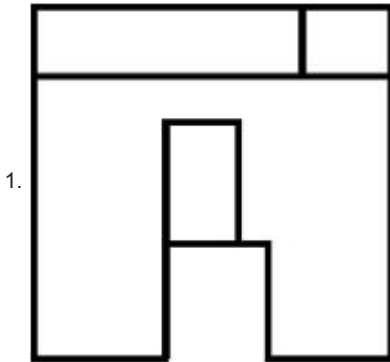
- Options**
1. 51.6 meter
 2. 50 meter
 3. 45.6 meter
 4. 50.4 meter

Correct answer: (4)

Q.43 The 3D problem figure shows the view of an object. Identify its appropriate top view from the answer figures.







Options



Correct answer: (4)

Q.44 Match List I with List II

LIST I		LIST II	
A.		I.	Tesla
B.		II.	Ferrari
C.		III.	Porsche
D.		IV.	Toyota

Choose the correct answer from the options given below:

- Options
1. A-II, B-III, C-I, D-IV
 2. A-III, B-II, C-I, D-IV
 3. A-IV, B-I, C-II, D-III
 4. A-IV, B-III, C-II, D-I

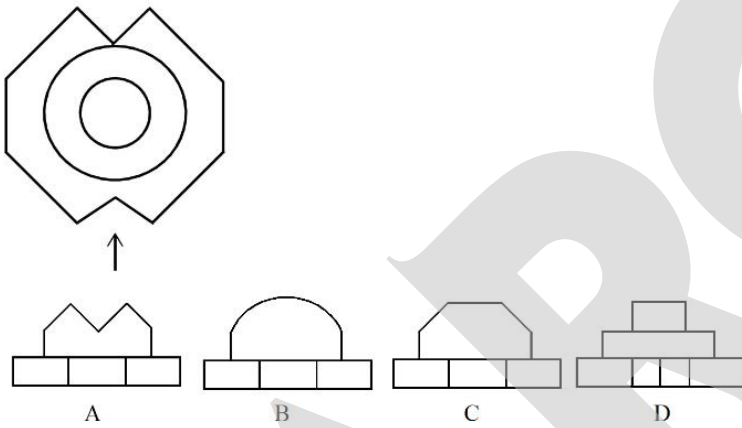
Correct answer: (3)

Q.45 If you have to build on the seashore in Goa, which rooms would have the best view of the sea?

- Options**
1. Those facing South
 2. Those facing East
 3. Those facing West
 4. Those facing North

Correct answer: (3)

Q.46 Identify the correct elevation when you look into the object from the marked arrow side of the plan of the object.



- Options**
1. **A**
 2. **C**
 3. **D**
 4. **B**

Correct answer: (2)

Q.47 Given below are two statements:

Statement I : Red, Blue and Yellow are the primary colours of a colour wheel.

Statement II : The colours which are positioned opposite to each other in a colour wheel are known as complementary colours.

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

- Options**
1. Both Statement I and Statement II are incorrect
 2. Statement I is incorrect but statement II is correct
 3. Statement I is correct but statement II is incorrect
 4. Both Statement I and Statement II are correct

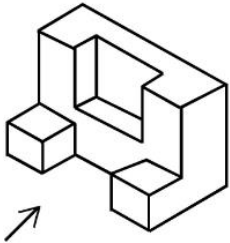
Correct answer: (4)

Q.48 "NIFT" National Institute of Fashion Technology, Delhi is designed by

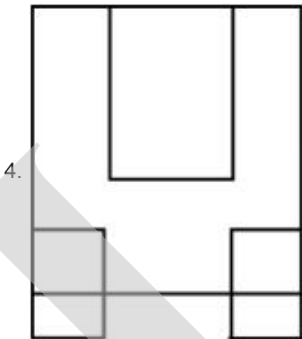
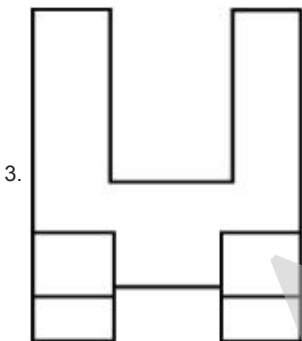
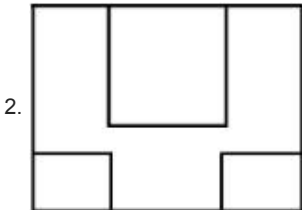
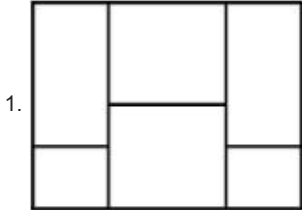
- Options**
1. Raj Rewal
 2. C.P Kukreja
 3. B.V Doshi
 4. Bimal Patel

Correct answer: (3)

Q.49 The 3D figure shows the view of an object. Looking in the direction of arrow, identify the most appropriate elevation from the given answer figures.



Options



Correct answer: (2)

Q.50 A small lift for carrying only a small load is known as:

- Options**
1. A Jockey Boy
 2. A Dumb Waiter
 3. A dead Bearer
 4. A push upper

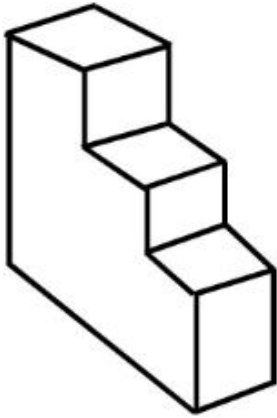
Correct answer: (2)

Q.51 The Konark Temple is located in which state?

- Options**
1. Rajasthan
 2. Madhya Pradesh
 3. Karnataka
 4. Odisha

Correct answer: (4)

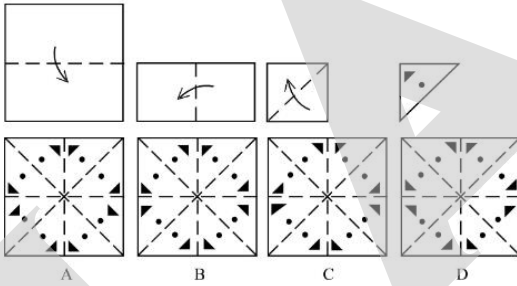
Q.52 How many surfaces does the object have?



- Options
1. 10
 2. 11
 3. 9
 4. 8

Correct answer: (1)

Q.53 Sheet is folded in marked format and cut led at last as shown. Identify from the options below, how the pattern will be made when it's fully unfold?



- Options
1. C
 2. D
 3. B
 4. A

Correct answer: (4)

Q.54 Match List I with List II

LIST I		LIST II	
A.	CP Kukreja	I.	IIM Ahmedabad
B.	Louis I Kahn	II.	Jawahar Lal Nehru University
C.	B.V Doshi	III.	IIT Kanpur
D.	Achyut Kanvinde	IV.	IIM Bengaluru

Choose the correct answer from the options given below:

- Options
1. A-I, B-IV, C-III, D-II
 2. A-IV, B-II, C-I, D-III
 3. A-III, B-I, C-II, D-IV
 4. A-II, B-I, C-IV, D-III

Correct answer: (4)

Q.55 Chandigarh is an example of which type of city planning.

- Options
1. Organic
 2. Radio Centric
 3. Linear
 4. Grid-iron

Correct answer: (4)

Q.56 Match List I with List II

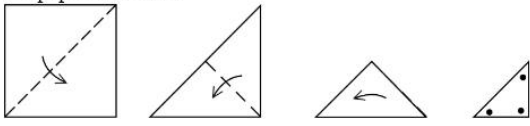
LIST I		LIST II	
A.	PMUY	I.	KAUSHAL VISKAS YOJNA
B.	PMAY	II.	JAN DHAN YOJANA
C.	PMKVY	III.	UJJWALA YOJANA
D.	PMJDY	IV.	AWAS YOJANA

Choose the correct answer from the options given below:

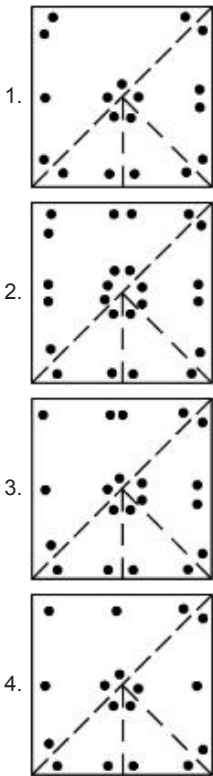
- Options
1. A-I, B-III, C-II, D-IV
 2. A-IV, B-II, C-III, D-I
 3. A-III, B-IV, C-I, D-II
 4. A-IV, B-III, C-I, D-II

Correct answer:(3)

Q.57 A paper is folded in a given pattern and it is cut at the end. Identify which pattern is formed when the paper is unfold.

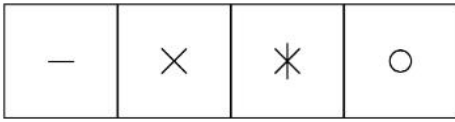


Options

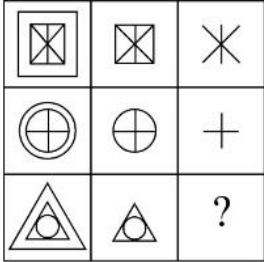


Correct answer:(2)

Q.58 Select a suitable figure from the four alternatives which will come in the empty box.



(A) (B) (C) (D)

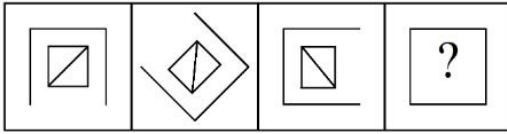


- Options 1. **D**
2. **A**
3. **B**
4. **C**

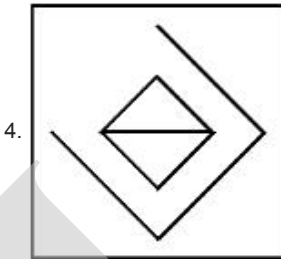
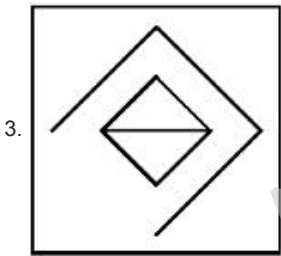
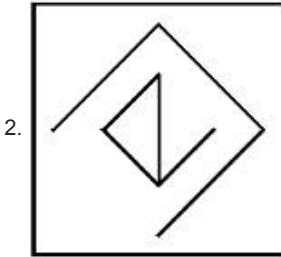
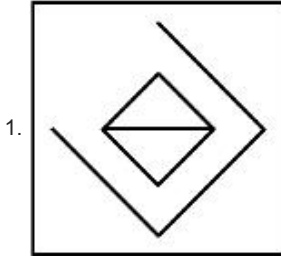
Correct answer:(1)

Q.59 Following question consists of problem figures followed by answer figures. Select a figure from amongst the answer figures which will continue the same series or pattern as established by the problem figures.

PROBLEM FIGURES



Options



Correct answer:(3)

Q.60 Adobe is a

Options 1. Type of cement

2. Type of floor finish





3. Type of paint

4. Type of Brick

Correct answer:(4)

1. ARCH

Q.61 Match List I with List II

LIST I		LIST II	
A.		I.	Empire state Building
B.		II.	Hagia Sophia
C.		III.	Sydney Opera House
D.		IV.	Colosseum

Choose the correct answer from the options given below:

- Options
1. A-II, B-I, C-IV, D-III
 2. A-IV, B-III, C-II, D-I
 3. A-I, B-III, C-IV, D-II
 4. A-I, B-II, C-III, D-IV

Correct answer:(1)

Q.62 Dhajji-Dewari is a construction style popular predominantly in _____.

- Options**
1. Plains
 2. Desert Areas
 3. Mountainous Region
 4. Coastal Areas

Correct answer:(3)

Q.63 Choose the correct option among the following:

Petronas Tower is situated in:

- Options**
1. New York
 2. Paris
 3. Kuala Lumpur
 4. Dubai

Correct answer:(3)

Q.64 Which direction in the southern hemisphere would you get glare free (diffused) light throughout the year?

- Options**
1. West
 2. South
 3. East
 4. North

Correct answer:(2)

Q.65 Which are often referred as 'twin cities' of Odisha?

- Options**
1. Bhubaneswar-Cuttack
 2. Bhubaneswar-Rourkela
 3. Puri-Cuttack
 4. Bhubaneswar-Puri

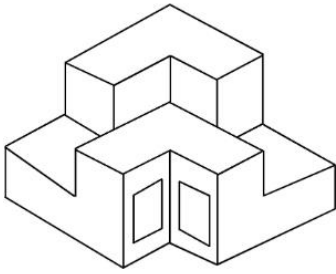
Correct answer:(1)

Q.66 Who is the architect of the Lotus Temple?

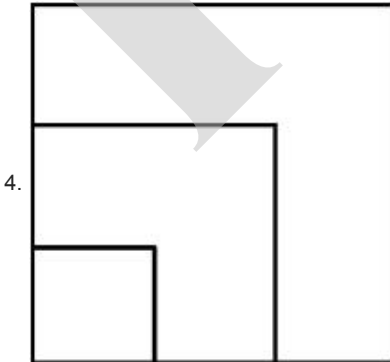
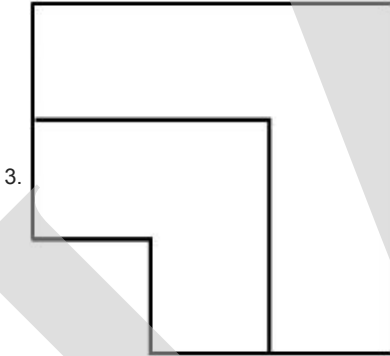
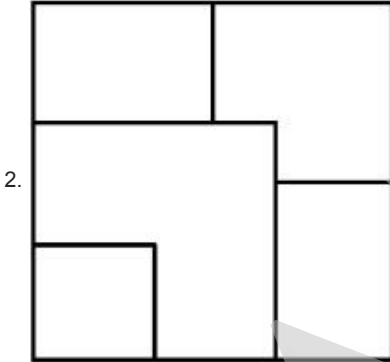
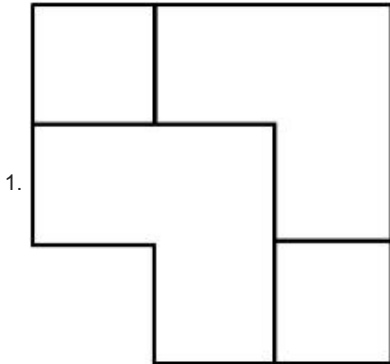
- Options**
1. Fariborz Sahba
 2. Mohse Safdi
 3. Louis I Kahn
 4. Richard Meyer

Correct answer:(1)

Q.67 From the given options below, choose the correct plan of the 3-D object, when viewed from the top.

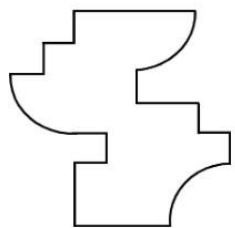


Options

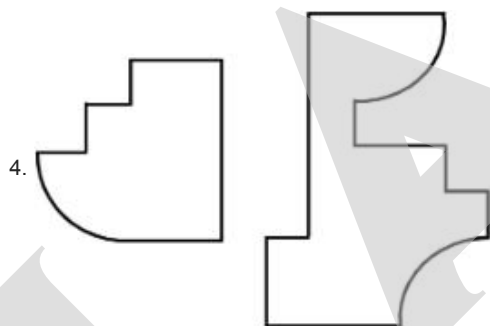
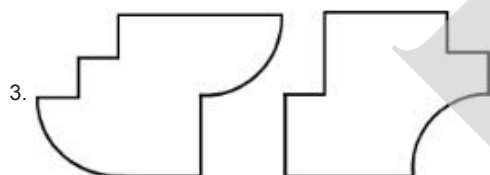
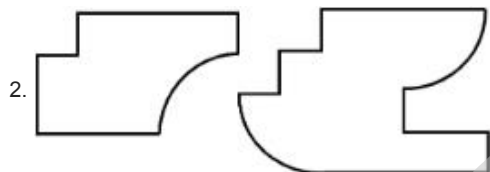
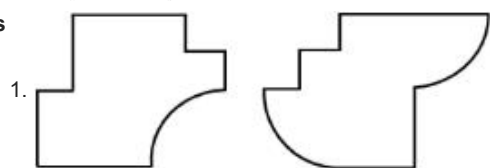


Correct answer:(1)

Q.68 If the question figure is cut into two parts, which of the answer figures complete the question figure without any overlappings?



Options



Correct answer:(2)

Q.69 Which stone is used for roofing in mountainous regions?

- Options**
1. Sand Stone
 2. Marble
 3. Shale
 4. Granite

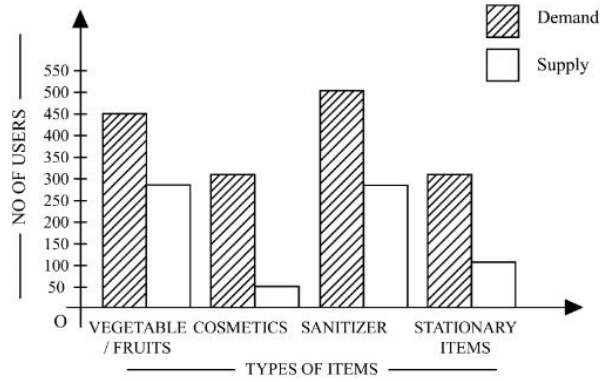
Correct answer:(3)

Q.70 Which is the correct chronology of Human Civilizations in terms of their existence?

- Options**
1. Mesopotamia-Egyptian-Harappa-Chinese
 2. Egyptian-Mesopotamia-Harappa-Sumerian
 3. Mesopotamia-Chinese-Harappa-Egyptian
 4. Mesopotamia-Harappa-Egyptian-Chinese

Correct answer:(1)

Q.71



The diagram shows the supply and demand of different users for different items. Which of the following is/are correct?

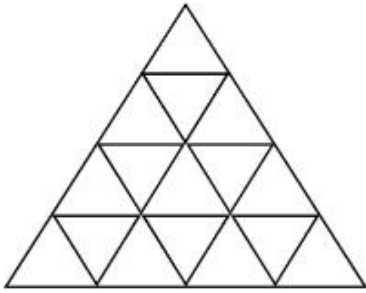
- A. Sanitizer only meet 50% of the demand
- B. Cosmetics has the least supply among all.
- C. Among all, two items have equal demand but difference in supply
- D. Among all, two items have equal supply and two items have equal demand.

Choose the correct answer from the options given below:-

- Options
1. B, C and D only
 2. B and D only
 3. A and B only
 4. A and C only

Correct answer:(1)

Q.72 How many triangles are there in given figure:-



- Options
1. 25
 2. 24
 3. 27
 4. 26

Correct answer:(3)

Q.73 Qutub-Minar in Delhi was built by:

- Options
1. Shah Jahan
 2. Jahangir
 3. Akbar
 4. Qutub ud-din Aibak

Correct answer:(4)

Q.74 Given below are two statements:

Statement I : Glass has low thermal conductivity

Statement II : Glass can absorb, refract and transmit light.

In the light of above statements, choose the most appropriate answer form the options given below

- Options**
1. **Statement I is correct but statement II is incorrect**
 2. **Both Statement I and Statement II are incorrect**
 3. **Statement I is incorrect but statement II is correct**
 4. **Both Statement I and Statement II are correct**

Correct answer:(3)

Q.75 Given below are two statements:

Statement I : Chandigarh is the first planned city of Independent India

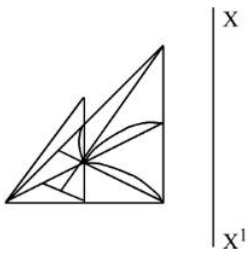
Statement II : Chandigarh city was designed by Swiss French architect Le Corbusier

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

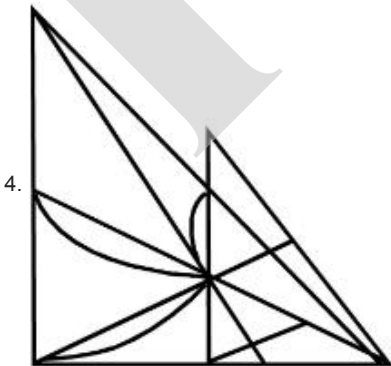
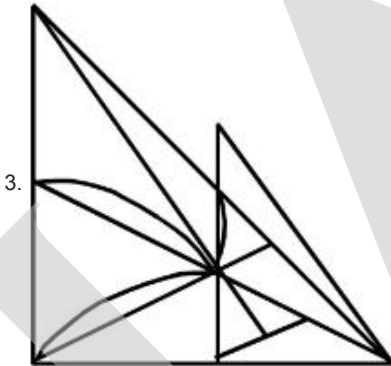
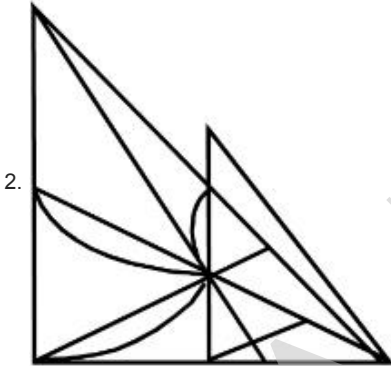
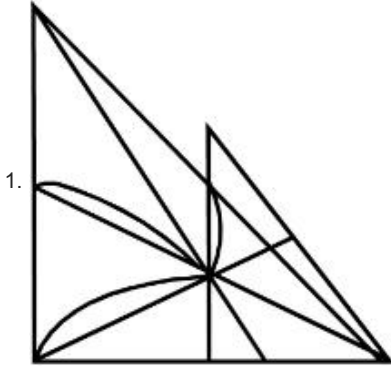
- Options**
1. **Statement I is incorrect but statement II is correct**
 2. **Statement I is correct but statement II is incorrect**
 3. **Both Statement I and Statement II are correct**
 4. **Both Statement I and Statement II are incorrect**

Correct answer:(3)

Q.76 Identify the true mirror image of the figure amongst the answer figures with respect to X-X



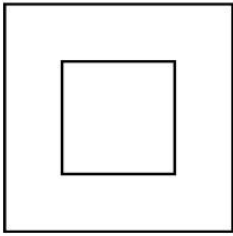
Options



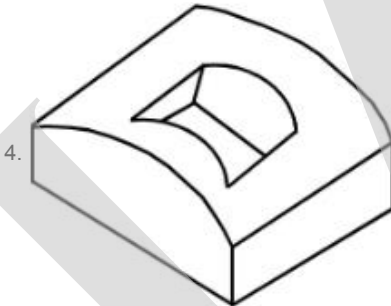
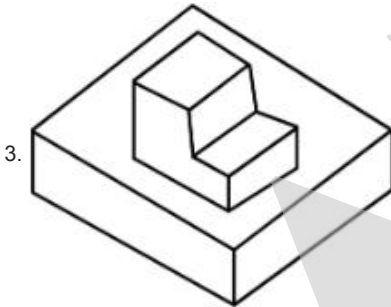
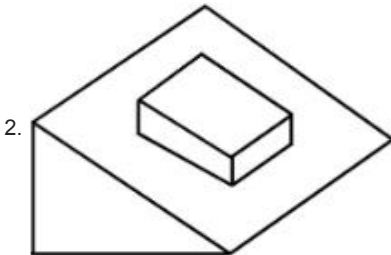
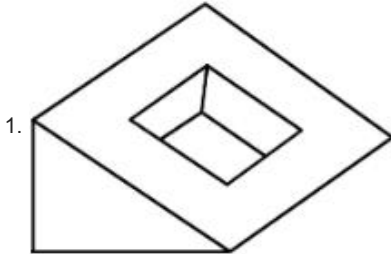
Correc answer: (3)

1. ARCHE

Q.77 Question figure shows top view/ plan of an object. Identify the INCORRECT 3D view from the given answers figure.

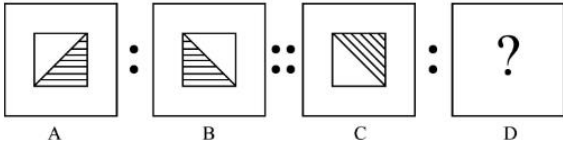


Options



Correct answer:(3)

Q.78 The second figure in the first part of the problem figures bears certain relationship to the first figure. Similarly, one of the figures of answer figures bears the same relationship to the first figure of the second part. Identify the correct option from the given answer figures.



Options

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

Correct answer: (4)

Q.79 Find the odd one out:-

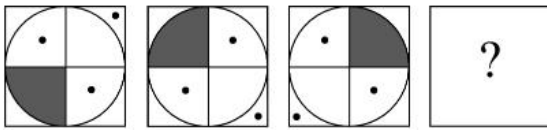
7, 9, 25, 32, 43, 59

- Options
1. 59
 2. 25
 3. 9
 4. 32

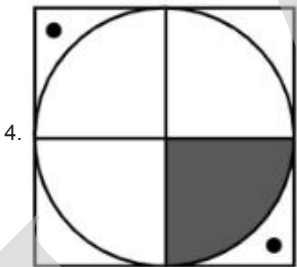
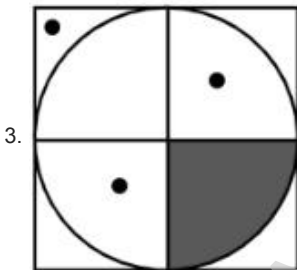
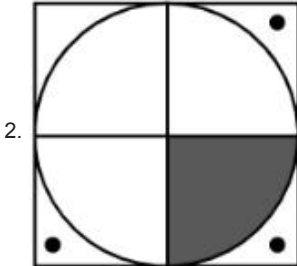
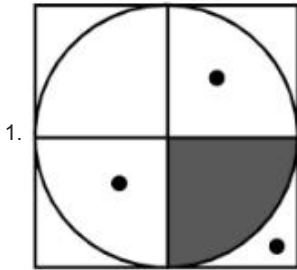
Correct answer:(4)

W A R C H

Q.80 Choose the correct option amongst the answer figures which complete the series.



Options



Correct answer:(3)

Q. Draw a proportionate sketch of given reference image. Use black and white rendering techniques of your choice.

81



Q. Use the basic 2D shapes found in a motor cycle and create an interesting 2D composition of your choice, colour with any three colours of your choice.

82