

JEE Feb 2021 23rd S2

Application No	www.exammix.com
Candidate Name	
Roll No.	
Test Date	23/02/2021
Test Time	3:00 PM - 6:30 PM
Subject	B PLANNING AND B ARCH

Section : Mathematics Section A

Q.1 The least positive integral value of λ such that $10^{50} + (3 \times (4)^{52}) + \lambda$ is divisible by 9 is :

- Options**
- 3
 - 1
 - 5
 - 7

Question Type : **MCQ**

Question ID : **70819113754**

Option 1 ID : **70819145582**

Option 2 ID : **70819145584**

Option 3 ID : **70819145581**

Option 4 ID : **70819145583**

Status : **Not Answered**

Chosen Option : --

Q.2 Let $|a| < 1$, $|b| < 1$, $|c| < 1$ and $x = \sum_{n=0}^{\infty} a^n$, $y = \sum_{n=0}^{\infty} b^n$, $z = \sum_{n=0}^{\infty} c^n$. If $\frac{1}{x}$, $\frac{1}{y}$, $\frac{1}{z}$ are in Arithmetic Progression, then :

- Options**
- a, 2b and c are in Arithmetic Progression
 - a, b and c satisfy $2b^2 = ac$
 - a, b and c are in Arithmetic Progression
 - a, b and c are in Geometric Progression

Question Type : **MCQ**

Question ID : **70819113752**

Option 1 ID : **70819145575**

Option 2 ID : **70819145576**

Option 3 ID : **70819145573**

Option 4 ID : **70819145574**

Status : **Not Answered**

Chosen Option : --

Q.3 Which of the following Boolean expression is a tautology ?

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

Question Type : **MCQ**

Question ID : **70819113751**

Option 1 ID : **70819145571**

Option 2 ID : **70819145570**

Option 3 ID : **70819145572**

Option 4 ID : **70819145569**

Status : **Not Answered**

Chosen Option : --

Q.4 Equation of the circle, which is the mirror image of the circle $x^2 + y^2 - 2x = 0$ with respect to the line $x + y = 2$, is :

- Options**
1. $x^2 + y^2 - 2x - 4y + 3 = 0$
 2. $x^2 + y^2 - 4x - 2y + 4 = 0$
 3. $2(x^2 + y^2) - x + y + 1 = 0$
 4. $x^2 + y^2 - 2x + 4y + 3 = 0$

Question Type : **MCQ**

Question ID : **70819113761**

Option 1 ID : **70819145612**

Option 2 ID : **70819145610**

Option 3 ID : **70819145611**

Option 4 ID : **70819145609**

Status : **Not Answered**

Chosen Option : --

Q.5 The values of s and t , for which the system of equations

$$x_1 + x_2 + x_3 = 5$$

$$x_1 + 2x_2 + 3x_3 = 9$$

$$x_1 + 3x_2 + sx_3 = t$$

has no solution, are :

- Options**
1. $t \neq 13$
 2. $s \neq 5$
 3. $s = 5, t \neq 13$
 4. $s = 5, t = 13$

Question Type : **MCQ**

Question ID : **70819113764**

Option 1 ID : **70819145624**

Option 2 ID : **70819145622**

Option 3 ID : **70819145623**

Option 4 ID : **70819145621**

Status : **Not Answered**

Chosen Option : --

Q.6

Derivative of $\tan^{-1}\left(\frac{2x}{1-x^2}\right)$ with respect to $\sin^{-1}\left(\frac{2x}{1+x^2}\right)$ in $(1, \infty)$, is :

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

Question Type : **MCQ**

Question ID : **70819113765**

Option 1 ID : **70819145628**

Option 2 ID : **70819145626**

Option 3 ID : **70819145625**

Option 4 ID : **70819145627**

Status : **Not Answered**

Chosen Option : --

Q.7

The value of the integral $\int_{-4}^4 |9 - x^2| dx$ is :

Options

1. $\frac{122}{3}$
2. $\frac{121}{3}$
3. $\frac{125}{3}$
4. $\frac{128}{3}$

Question Type : MCQ

Question ID : 70819113749

Option 1 ID : 70819145562

Option 2 ID : 70819145561

Option 3 ID : 70819145563

Option 4 ID : 70819145564

Status : Not Answered

Chosen Option : --

Q.8

If $A = \begin{bmatrix} 1 & a \\ 0 & 1 \end{bmatrix}$, then A^k ($k \in \mathbb{N}$) is :

Options

1. $\begin{bmatrix} 1 & k^2 a \\ 0 & 1 \end{bmatrix}$
2. $\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$
3. $\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$
4. $\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$

Question Type : MCQ

Question ID : 70819113763

Option 1 ID : 70819145618

Option 2 ID : 70819145617

Option 3 ID : 70819145619

Option 4 ID : 70819145620

Status : Answered

Chosen Option : 2

Q.9

The distance between the planes $\vec{r} \cdot (2\hat{i} + \hat{j} - 2\hat{k}) + 5 = 0$ and $\vec{r} \cdot (6\hat{i} + 3\hat{j} - 6\hat{k}) + 2 = 0$ is :

Options

1. $\frac{13}{9}$
2. $\frac{1}{13}$
3. $\frac{15}{4}$
4. $\frac{9}{13}$

Question Type : MCQ

Question ID : 70819113757

Option 1 ID : 70819145595

Option 2 ID : 70819145596

Option 3 ID : 70819145594

Option 4 ID : 70819145593

Status : Not Answered

Chosen Option : --

Q.10

There are 4, 5 and 6 points on the three parallel and co-planar lines. If no set of four or more points is cyclic and no set of three points lying on distinct lines is collinear, then the number of circles passing through exactly three points is :

Options

1. 435
2. 421
3. 441
4. 455

Question Type : MCQ

Question ID : 70819113755

Option 1 ID : 70819145587

Option 2 ID : 70819145586

Option 3 ID : 70819145588

Option 4 ID : 70819145585

Status : Not Answered

Chosen Option : --

Q.11

$\sum_{n=1}^{\infty} \frac{2n^2 + 7n + 5}{n!}$ is equal to :

- Options
1. $15e - 5$
 2. $16e - 7$
 3. $15e + 5$
 4. $16e - 5$

Question Type : MCQ

Question ID : 70819113753

Option 1 ID : 70819145578

Option 2 ID : 70819145580

Option 3 ID : 70819145577

Option 4 ID : 70819145579

Status : Not Answered

Chosen Option : --

Q.12

Solution of the differential equation $(1 + y^2)dx = (\tan^{-1}y - x)dy$ is :
(where c is an arbitrary constant)

- Options
1. $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$
 2. $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$
 3. $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$
 4. $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

Question Type : MCQ

Question ID : 70819113767

Option 1 ID : 70819145633

Option 2 ID : 70819145634

Option 3 ID : 70819145636

Option 4 ID : 70819145635

Status : Not Answered

Chosen Option : --

Q.13

Equations of the common tangent of the ellipse $\frac{(x+1)^2}{2^2} + \frac{(y-1)^2}{3^2} = 1$ and the circle

$(x+1)^2 + (y-1)^2 = 4$ are :

Options

1. $y+3=0$ and $x-1=0$
2. $x+3=0$ and $x-1=0$
3. $y+3=0$ and $y-1=0$
4. $x-3=0$ and $y+1=0$

Question Type : **MCQ**Question ID : **70819113762**Option 1 ID : **70819145613**Option 2 ID : **70819145615**Option 3 ID : **70819145616**Option 4 ID : **70819145614**Status : **Not Answered**

Chosen Option : --

Q.14

The sum of infinite number of terms of a Geometric Progression is 3 and the sum of the

squares of its terms is $\frac{9}{2}$. The sum of the cubes of its terms is :

Options

1. $\frac{54}{7}$
2. $\frac{108}{13}$
3. $\frac{31}{13}$
4. $\frac{27}{2}$

Question Type : **MCQ**Question ID : **70819113750**Option 1 ID : **70819145568**Option 2 ID : **70819145566**Option 3 ID : **70819145565**Option 4 ID : **70819145567**Status : **Not Answered**

Chosen Option : --

Q.15 The values of x , for which the vectors $\vec{a} = (x^2 - 16)\hat{i} + 4\hat{j} - (x^2 - 25)\hat{k}$ make acute angles with the (positive directions of) coordinate axes lie in :

- Options**
1. $(-5, 4) \cup (-4, 5)$
 2. $[-5, 4) \cup (-4, 5]$
 3. $[-5, -4] \cup [4, 5]$
 4. $(-5, -4) \cup (4, 5)$

Question Type : **MCQ**

Question ID : **70819113768**

Option 1 ID : **70819145640**

Option 2 ID : **70819145638**

Option 3 ID : **70819145637**

Option 4 ID : **70819145639**

Status : **Not Answered**

Chosen Option : --

Q.16 The probability of solving a problem in Mathematics by two students X and Y are $\frac{1}{4}$ and $\frac{1}{5}$ respectively. If both of them try to solve the problem independently, then the probability that the problem will be solved by exactly one of them is equal to :

- Options**
1. $\frac{19}{20}$
 2. $\frac{7}{20}$
 3. $\frac{12}{20}$
 4. $\frac{1}{20}$

Question Type : **MCQ**

Question ID : **70819113758**

Option 1 ID : **70819145599**

Option 2 ID : **70819145597**

Option 3 ID : **70819145600**

Option 4 ID : **70819145598**

Status : **Not Answered**

Chosen Option : --

Q.17

If $y = \frac{ax - b}{(x-1)(x-4)}$ has an extremum at the point $(2, -1)$, then the values of a and b are :

Options

1. $a = -1, b = 1$
2. $a = 0, b = -1$
3. $a = 1, b = 0$
4. $a = 0, b = 1$

Question Type : MCQ

Question ID : 70819113756

Option 1 ID : 70819145592

Option 2 ID : 70819145591

Option 3 ID : 70819145589

Option 4 ID : 70819145590

Status : Not Answered

Chosen Option : --

Q.18

Let $\vec{a}$, $\vec{b}$ and $\vec{c}$ be three vectors such that $|\vec{a}| = |\vec{b}| = \frac{|\vec{c}|}{2} = 1$. If $\vec{a} \times (\vec{a} \times \vec{c}) + \vec{b} = \vec{0}$, then

the acute angle between $\vec{a}$ and $\vec{c}$ is :

Options

1. $\frac{\pi}{6}$
2. $\frac{\pi}{3}$
3. $\frac{5\pi}{12}$
4. $\frac{\pi}{4}$

Question Type : MCQ

Question ID : 70819113766

Option 1 ID : 70819145629

Option 2 ID : 70819145631

Option 3 ID : 70819145632

Option 4 ID : 70819145630

Status : Not Answered

Chosen Option : --

Q.19

The polar form of the complex number $\frac{1+i}{1-i}$ is equal to :

Options

1. $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$
2. $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$
3. $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$
4. $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

Question Type : MCQ

Question ID : 70819113759

Option 1 ID : 70819145604

Option 2 ID : 70819145601

Option 3 ID : 70819145602

Option 4 ID : 70819145603

Status : Not Answered

Chosen Option : --

Q.20

If the equation of a line which divides the line segment joining the points (1, 0) and (3, 0) in the ratio 2 : 1 and is also perpendicular to it, is $ax=7$, then the value of a is equal to :

Options

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

Question Type : MCQ

Question ID : 70819113760

Option 1 ID : 70819145608

Option 2 ID : 70819145607

Option 3 ID : 70819145605

Option 4 ID : 70819145606

Status : Answered

Chosen Option : 4

Section : Mathematics Section B

Q.1

Let the equation of the plane passing through the points (1, 2, 6), (2, 5, 7) and perpendicular to the plane $4x - y + z = 15$ be $ax + by + cz + d = 0$. If $a, b, c, d \in \mathbb{Z}$ with $\gcd(|a|, |b|, |c|) = 1$, then $|a + b + c + d|$ is equal to _____.

Given --

Answer :

Question Type : SA

Question ID : 70819113776

Status : Not Answered

Q.2 The minimum value of $9\tan^2\theta + 4\cot^2\theta$ is _____.

Given 13
Answer :

Question Type : SA
Question ID : 70819113770
Status : Answered

Q.3 Let $A_1, A_2, A_3, \dots$ be an increasing geometric progression. If $\frac{1}{A_4} + \frac{1}{A_8} = \frac{10}{63}$ and $A_5 A_7 = 441$, then $3(A_2 + A_4)$ is equal to _____.

Given --
Answer :

Question Type : SA
Question ID : 70819113778
Status : Not Answered

Q.4 The number of real solutions in the interval $\left[-\frac{3\pi}{2}, \frac{7\pi}{2}\right]$ of the equation $4\sin^2 x - 8\sin x + 3 = 0$ is _____.

Given --
Answer :

Question Type : SA
Question ID : 70819113777
Status : Not Answered

Q.5 The length of the perpendicular from the point $(1, 2, 3)$ to the line $\frac{-x+6}{-3} = \frac{y-7}{2} = \frac{z-7}{-2}$ is _____.

Given --
Answer :

Question Type : SA
Question ID : 70819113771
Status : Not Answered

Q.6 $\int_0^{\pi} \sqrt{\frac{1+\cos 2x}{2}} dx$ is _____.

Given --
Answer :

Question Type : SA
Question ID : 70819113769
Status : Not Answered

Q.7 If the sum of mean and variance of a binomial distribution is 15 and the sum of their squares is 117, then the number of independent trials is equal to _____.

Given --
Answer :

Question Type : **SA**
Question ID : **70819113775**
Status : **Not Answered**

Q.8 If $\log_3 2$, $\log_3 (2^x - 5)$ and $\log_3 \left(2^x - \frac{7}{2}\right)$ are in Arithmetic Progression, then the value of x is _____.

Given --
Answer :

Question Type : **SA**
Question ID : **70819113772**
Status : **Not Answered**

Q.9 $x^2 + y^2 - 4x - 2y - 11 = 0$ is a circle to which tangents are drawn from the point (4, 5) which form a quadrilateral with a pair of radii. The area of this quadrilateral in square units is _____.

Given --
Answer :

Question Type : **SA**
Question ID : **70819113774**
Status : **Not Answered**

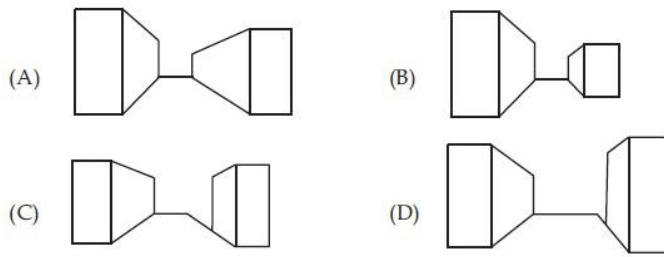
Q.10 If $x^2 + x + 1 = 0$, then $-\left\{\left(x - \frac{1}{x}\right)^2 + \left(x^2 - \frac{1}{x^2}\right)^2 + \left(x^3 - \frac{1}{x^3}\right)^2\right\}$ is _____.

Given --
Answer :

Question Type : **SA**
Question ID : **70819113773**
Status : **Not Answered**

Section : **Aptitude Test**

Q.1 Identify the building compositions of having less visual tension amongst the following figures.



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

Question Type : **MCQ**

Question ID : **70819113826**

Option 1 ID : **70819145841**

Option 2 ID : **70819145840**

Option 3 ID : **70819145842**

Option 4 ID : **70819145839**

Status : **Not Answered**

Chosen Option : --

Q.2 Which of the following building represents the colonial Architectural pattern in India ?

- Options**
1. LIC Building in Delhi
 2. Charminar in Hyderabad
 3. Bharat Bhavan in Bhopal
 4. Victoria Memorial in Kolkata

Question Type : **MCQ**

Question ID : **70819113788**

Option 1 ID : **70819145688**

Option 2 ID : **70819145689**

Option 3 ID : **70819145687**

Option 4 ID : **70819145690**

Status : **Not Answered**

Chosen Option : --

Q.3 Word "Bungalow" has originated from :

- Options**
1. Bengalurn
 2. Bari
 3. Bengal
 4. Banaras

Question Type : **MCQ**

Question ID : **70819113797**

Option 1 ID : **70819145723**

Option 2 ID : **70819145726**

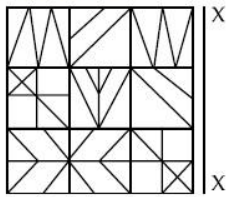
Option 3 ID : **70819145725**

Option 4 ID : **70819145724**

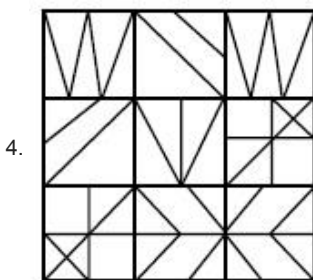
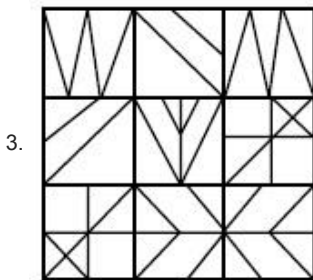
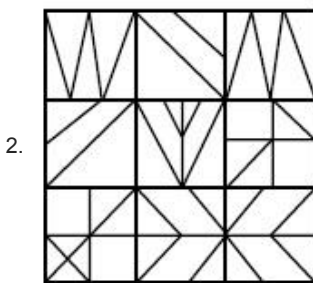
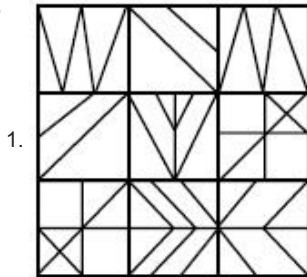
Status : **Not Answered**

Chosen Option : --

Q.4 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 : **70819113810**

Option 1 ID : **70819145778**

Option 2 ID : **70819145775**

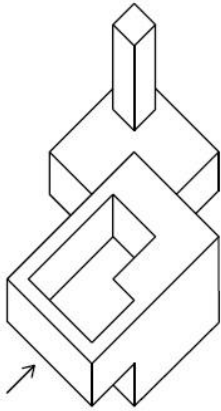
Option 3 ID : **70819145776**

Option 4 ID : **70819145777**

Status : **Answered**

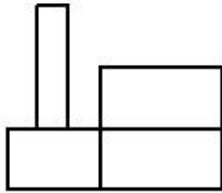
Chosen Option : **3**

Q.5 The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

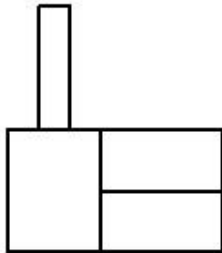


Options

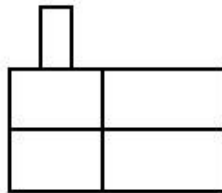
1.



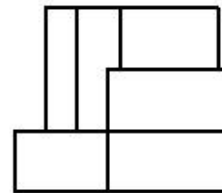
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113814**

Option 1 ID : **70819145791**

Option 2 ID : **70819145794**

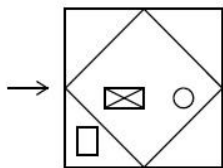
Option 3 ID : **70819145792**

Option 4 ID : **70819145793**

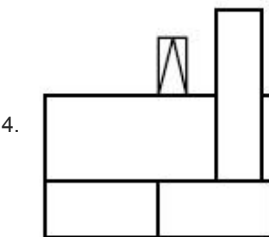
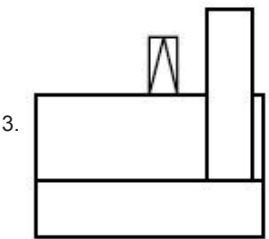
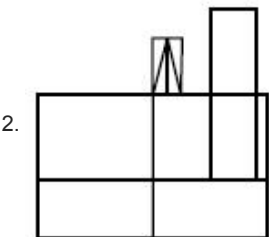
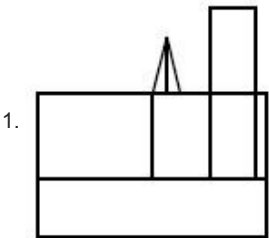
Status : **Answered**

Chosen Option : **1**

Q.6 The problem figure shows the top view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

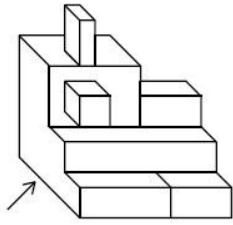


Options



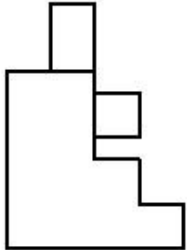
Question Type : **MCQ**
Question ID : **70819113801**
Option 1 ID : **70819145739**
Option 2 ID : **70819145741**
Option 3 ID : **70819145742**
Option 4 ID : **70819145740**
Status : **Not Answered**
Chosen Option : --

Q.7 The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

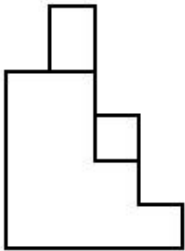


Options

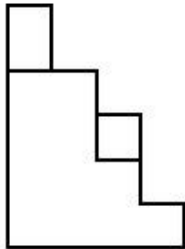
1.



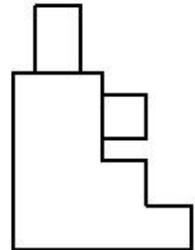
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113813**

Option 1 ID : **70819145787**

Option 2 ID : **70819145790**

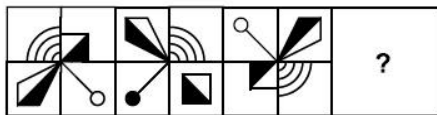
Option 3 ID : **70819145788**

Option 4 ID : **70819145789**

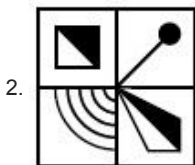
Status : **Answered**

Chosen Option : **1**

Q.8 Which one of the answer figures complete the sequence of the problem figure ? Select the correct one.



Options



Question Type : **MCQ**

Question ID : **70819113811**

Option 1 ID : **70819145780**

Option 2 ID : **70819145781**

Option 3 ID : **70819145779**

Option 4 ID : **70819145782**

Status : **Answered**

Chosen Option : **4**

Q.9 What is the size of A2 Drawing sheet ?

- Options
1. 420×590 (mm $\times$ mm)
 2. 420×594 (mm $\times$ mm)
 3. 420×592 (mm $\times$ mm)
 4. 297×420 (mm $\times$ mm)

Question Type : **MCQ**

Question ID : **70819113789**

Option 1 ID : **70819145691**

Option 2 ID : **70819145692**

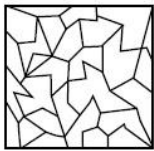
Option 3 ID : **70819145694**

Option 4 ID : **70819145693**

Status : **Not Answered**

Chosen Option : **--**

Q.10 One of the following answer figures is hidden in problem figure in the same size and direction.
Select correct one.



Options

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

Question Type : **MCQ**

Question ID : **70819113805**

Option 1 ID : **70819145756**

Option 2 ID : **70819145755**

Option 3 ID : **70819145758**

Option 4 ID : **70819145757**

Status : **Not Answered**

Chosen Option : --

Q.11 Which amongst the following Architect has designed the famous Temple "Akshardham" ?

Options 1. **Vikram Lall**

2. **C. Sompura**

3. **Sanjay Puri**

4. **Ashok Lall**

Question Type : **MCQ**

Question ID : **70819113791**

Option 1 ID : **70819145700**

Option 2 ID : **70819145702**

Option 3 ID : **70819145699**

Option 4 ID : **70819145701**

Status : **Not Answered**

Chosen Option : --

Q.12 Match List - I with List - II.

List - I

List - II

(I) Agra fort

(a)



(II) Atala Masjid

(b)



(III) Nalanda University

(c)



(IV) Jagannatha Temple

(d)



- Options
1. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)
 2. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)
 3. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)
 4. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

Question Type : **MCQ**

Question ID : **70819113782**

Option 1 ID : **70819145666**

Option 2 ID : **70819145664**

Option 3 ID : **70819145663**

Option 4 ID : **70819145665**

Status : **Answered**

Chosen Option : **3**

Q.13 Match List - I with List - II.

List - I

List - II

(I) Hall of Nation

(a)



(II) Falling Water, Pennsylvania

(b)



(III) Petronas Tower

(c)



(IV) Secretariat

(d)



- Options
1. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)
 2. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)
 3. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)
 4. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

Question Type : **MCQ**

Question ID : **70819113780**

Option 1 ID : **70819145655**

Option 2 ID : **70819145658**

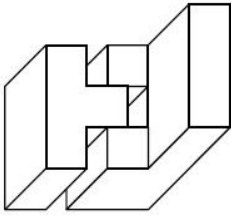
Option 3 ID : **70819145656**

Option 4 ID : **70819145657**

Status : **Answered**

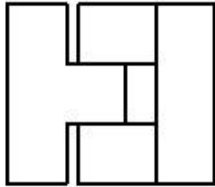
Chosen Option : **1**

Q.14 The 3D figure shows the view of an object. Identify the correct top view, amongst the answer figures.

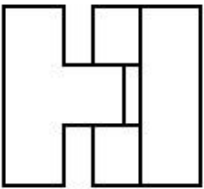


Options

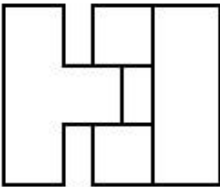
1.



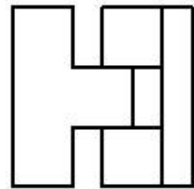
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113823**

Option 1 ID : **70819145827**

Option 2 ID : **70819145828**

Option 3 ID : **70819145829**

Option 4 ID : **70819145830**

Status : **Not Answered**

Chosen Option : --

Q.15 Gold mines are situated in which state of India ?

- Options
1. Karnataka
 2. Uttar Pradesh
 3. Orissa
 4. Maharashtra

Question Type : **MCQ**

Question ID : **70819113794**

Option 1 ID : **70819145711**

Option 2 ID : **70819145714**

Option 3 ID : **70819145712**

Option 4 ID : **70819145713**

Status : **Answered**

Chosen Option : **3**

Q.16 'Agenda 21' is declaration related with :

- Options
1. Climate change
 2. Global warming
 3. Sustainable development
 4. Smart city

Question Type : **MCQ**

Question ID : **70819113793**

Option 1 ID : **70819145707**

Option 2 ID : **70819145708**

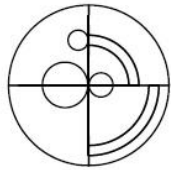
Option 3 ID : **70819145709**

Option 4 ID : **70819145710**

Status : **Not Answered**

Chosen Option : **--**

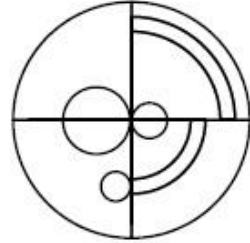
Q.17 Which one of the answer figures is the correct mirror image of the problem figure with respect to X-X ?



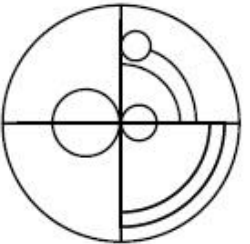
X ————— X

Options

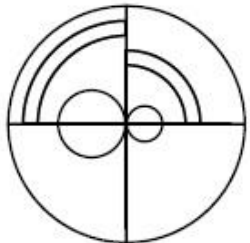
1.



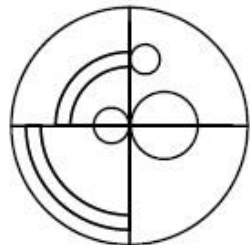
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113809**

Option 1 ID : **70819145773**

Option 2 ID : **70819145774**

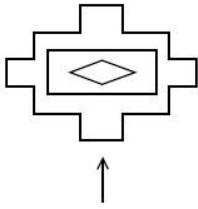
Option 3 ID : **70819145772**

Option 4 ID : **70819145771**

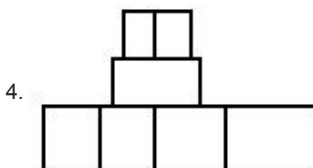
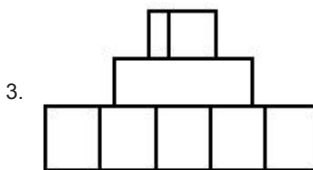
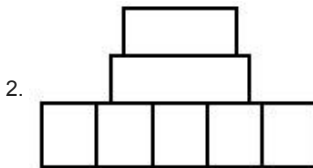
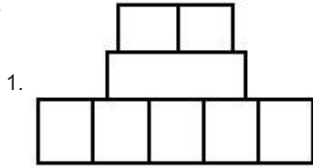
Status : **Answered**

Chosen Option : **1**

Q.18 The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



Options



Question Type : **MCQ**

Question ID : **70819113803**

Option 1 ID : **70819145749**

Option 2 ID : **70819145750**

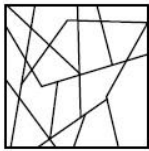
Option 3 ID : **70819145747**

Option 4 ID : **70819145748**

Status : **Answered**

Chosen Option : **2**

- Q.19** One of the following answer figures is hidden in the problem figure in same size and direction.
Select the correct one.



Options

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

Question Type : **MCQ**

Question ID : **70819113806**

Option 1 ID : **70819145760**

Option 2 ID : **70819145759**

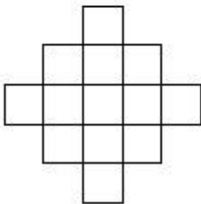
Option 3 ID : **70819145762**

Option 4 ID : **70819145761**

Status : **Answered**

Chosen Option : **3**

- Q.20** In the given figure, how many squares are present ?



- Options
1. 13
 2. 15
 3. 14
 4. 18

Question Type : **MCQ**

Question ID : **70819113799**

Option 1 ID : **70819145732**

Option 2 ID : **70819145733**

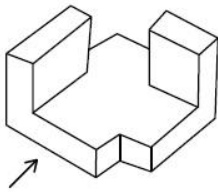
Option 3 ID : **70819145731**

Option 4 ID : **70819145734**

Status : **Answered**

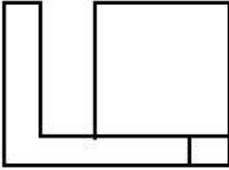
Chosen Option : **4**

Q.21 The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

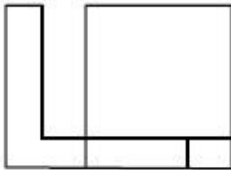


Options

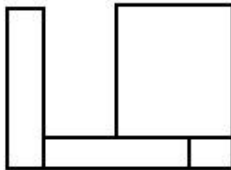
1.



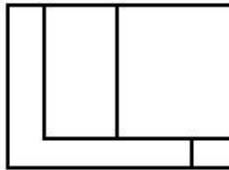
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113818**

Option 1 ID : **70819145810**

Option 2 ID : **70819145809**

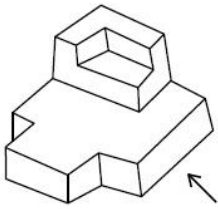
Option 3 ID : **70819145808**

Option 4 ID : **70819145807**

Status : **Answered**

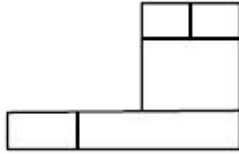
Chosen Option : **3**

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

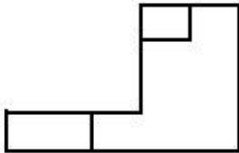


Options

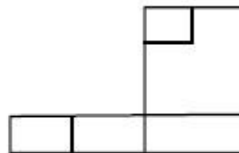
1.



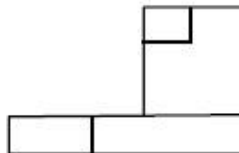
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113821**

Option 1 ID : **70819145821**

Option 2 ID : **70819145822**

Option 3 ID : **70819145819**

Option 4 ID : **70819145820**

Status : **Answered**

Chosen Option : **4**

Q.23 'Jharokha' is a type of window mostly found in :

- Options**
1. Rajasthan
 2. Tamil Nadu
 3. Gujarat
 4. West Bengal

Question Type : **MCQ**

Question ID : **70819113786**

Option 1 ID : **70819145682**

Option 2 ID : **70819145681**

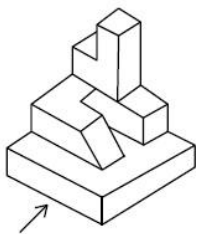
Option 3 ID : **70819145679**

Option 4 ID : **70819145680**

Status : **Answered**

Chosen Option : **1**

Q.24 The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

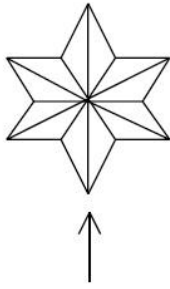


Options

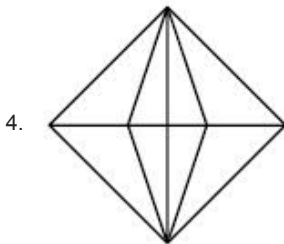
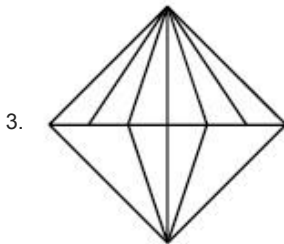
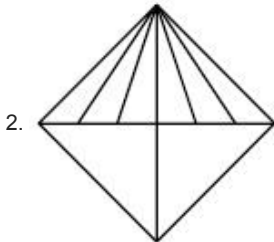
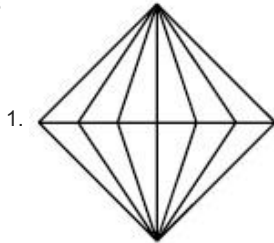
1.
2.
3.
4.

Question Type : **MCQ**
Question ID : **70819113812**
Option 1 ID : **70819145783**
Option 2 ID : **70819145784**
Option 3 ID : **70819145785**
Option 4 ID : **70819145786**
Status : **Answered**
Chosen Option : **1**

Q.25 The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



Options



Question Type : **MCQ**

Question ID : **70819113828**

Option 1 ID : **70819145847**

Option 2 ID : **70819145849**

Option 3 ID : **70819145848**

Option 4 ID : **70819145850**

Status : **Answered**

Chosen Option : **1**

Q.26 Victory Tower belongs to which of the following fort :

- Options
1. Amer fort
 2. Chittor fort
 3. Bhangarh fort
 4. Jaigarh fort

Question Type : **MCQ**

Question ID : **70819113790**

Option 1 ID : **70819145698**

Option 2 ID : **70819145695**

Option 3 ID : **70819145697**

Option 4 ID : **70819145696**

Status : **Not Answered**

Chosen Option : --

Q.27 'Volume Zero' Documentary is on which Architect ?

- Options
1. Ranjit Sabliki
 2. Jasbir Sachdev
 3. Richard Mier
 4. Charles Correa

Question Type : **MCQ**

Question ID : **70819113792**

Option 1 ID : **70819145706**

Option 2 ID : **70819145705**

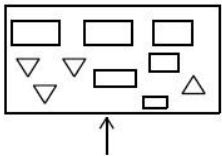
Option 3 ID : **70819145704**

Option 4 ID : **70819145703**

Status : **Not Answered**

Chosen Option : --

Q.28 The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.

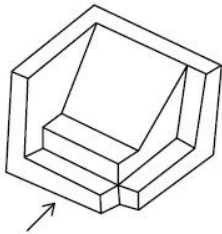


Options

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

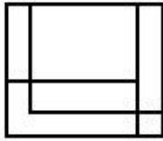
Question Type : **MCQ**
Question ID : **70819113827**
Option 1 ID : **70819145843**
Option 2 ID : **70819145845**
Option 3 ID : **70819145844**
Option 4 ID : **70819145846**
Status : **Not Answered**
Chosen Option : --

Q.29 The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



Options

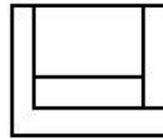
1.



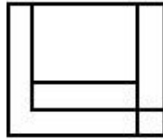
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113822**

Option 1 ID : **70819145825**

Option 2 ID : **70819145826**

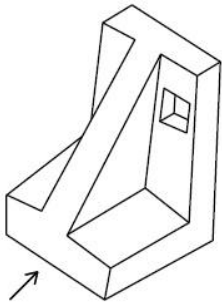
Option 3 ID : **70819145824**

Option 4 ID : **70819145823**

Status : **Answered**

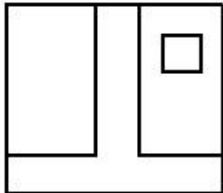
Chosen Option : **4**

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

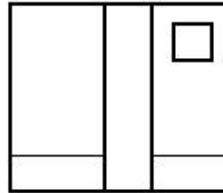


Options

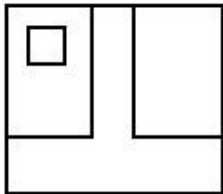
1.



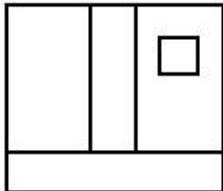
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113820**

Option 1 ID : **70819145817**

Option 2 ID : **70819145816**

Option 3 ID : **70819145818**

Option 4 ID : **70819145815**

Status : **Answered**

Chosen Option : **1**

Q.31 Book 'God of small things' is written by which Indian Architect ?

- Options**
1. Revati Kamat
 2. Bimal Patel
 3. Arundhati Roy
 4. B.V. Doshi

Question Type : **MCQ**

Question ID : **70819113785**

Option 1 ID : **70819145677**

Option 2 ID : **70819145678**

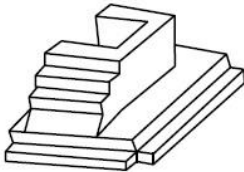
Option 3 ID : **70819145676**

Option 4 ID : **70819145675**

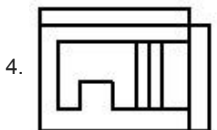
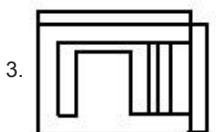
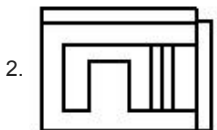
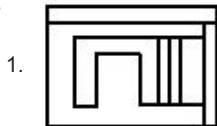
Status : **Answered**

Chosen Option : **3**

Q.32 The 3D figure shows the view of an object. Identify the correct top view, amongst the answer figures.



Options



Question Type : **MCQ**

Question ID : **70819113825**

Option 1 ID : **70819145838**

Option 2 ID : **70819145835**

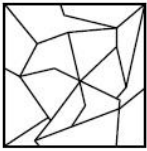
Option 3 ID : **70819145837**

Option 4 ID : **70819145836**

Status : **Not Answered**

Chosen Option : **--**

Q.33 One of the following answer figures is hidden in problem figure in same size and direction.
Select correct one.



Options

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

Question Type : **MCQ**

Question ID : **70819113804**

Option 1 ID : **70819145751**

Option 2 ID : **70819145754**

Option 3 ID : **70819145753**

Option 4 ID : **70819145752**

Status : **Answered**

Chosen Option : **3**

Q.34 In the Southern Hemisphere shadowless light is from which direction ?

Options 1. **West**

2. **East**

3. **South**

4. **North**

Question Type : **MCQ**

Question ID : **70819113795**

Option 1 ID : **70819145718**

Option 2 ID : **70819145717**

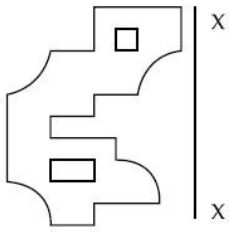
Option 3 ID : **70819145716**

Option 4 ID : **70819145715**

Status : **Not Answered**

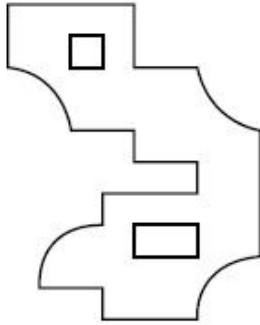
Chosen Option : **--**

Q.35 Which one of the answer figures is correct mirror image of problem figure with respect to X-X ?

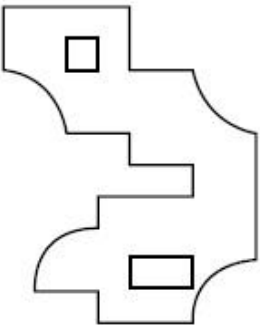


Options

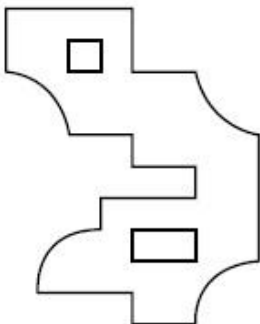
1.



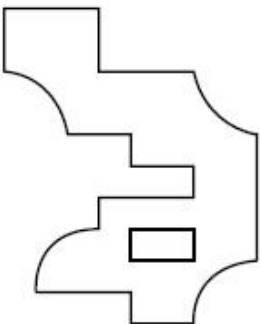
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113808**

Option 1 ID : **70819145770**

Option 2 ID : **70819145769**

Option 3 ID : **70819145768**

Option 4 ID : **70819145767**

Status : **Answered**
Chosen Option : **3**

Q.36 Match List - I with List - II.

List - I	List - II
(I) Mehrangarh Fort	(a) Hyderabad
(II) Siri Fort	(b) Kolkata
(III) Golconda Fort	(c) Delhi
(IV) Fort William	(d) Jodhpur

Choose the correct answer from options given below :

- Options**
1. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)
 2. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)
 3. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)
 4. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

Question Type : **MCQ**
Question ID : **70819113784**
Option 1 ID : **70819145672**
Option 2 ID : **70819145671**
Option 3 ID : **70819145674**
Option 4 ID : **70819145673**
Status : **Answered**
Chosen Option : **4**

Q.37 The monsoon wind enters in Indian sub-continent from which direction ?

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

Question Type : **MCQ**
Question ID : **70819113787**
Option 1 ID : **70819145686**
Option 2 ID : **70819145684**
Option 3 ID : **70819145683**
Option 4 ID : **70819145685**
Status : **Answered**
Chosen Option : **2**

Q.38 Match List - I with List - II.

List - I		List - II	
(I)	Yadvindra Garden	(a)	Manali
(II)	Vishnu Temple	(b)	Amritsar
(III)	Hidimba Temple	(c)	Pinjore
(IV)	Hari Mandir	(d)	Buniyar

- Options**
1. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)
 2. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)
 3. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)
 4. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

Question Type : **MCQ**

Question ID : **70819113783**

Option 1 ID : **70819145667**

Option 2 ID : **70819145670**

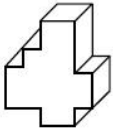
Option 3 ID : **70819145668**

Option 4 ID : **70819145669**

Status : **Not Answered**

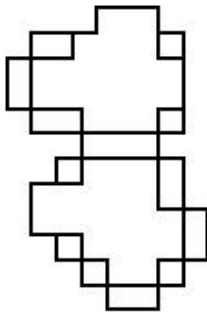
Chosen Option : --

Q.39 A drawing is provided with all the folds to construct the following three Dimensional object.
Select the correct one.

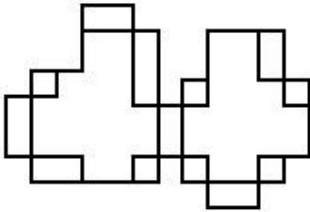


Options

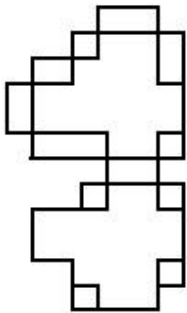
1.



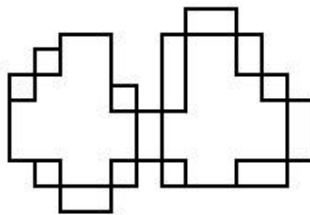
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113800**

Option 1 ID : **70819145736**

Option 2 ID : **70819145735**

Option 3 ID : **70819145738**

Option 4 ID : **70819145737**

Status : **Not Answered**

Chosen Option : --

Q.40

Which among the following is the full form of the 'UNESCO' ?

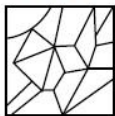
Options

1. United Nations Educational Security Cultural Organization.
2. United Nations Educational, Sustainable & Cultural Organization.
3. United Nations Educational, Scientific & Cultural Organization.
4. United Nations Entrance Site Calling Organization.

Question Type : **MCQ**Question ID : **70819113779**Option 1 ID : **70819145652**Option 2 ID : **70819145654**Option 3 ID : **70819145651**Option 4 ID : **70819145653**Status : **Answered**Chosen Option : **3**

Q.41

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

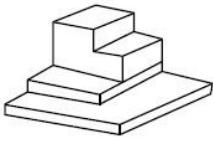


Options

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

Question Type : **MCQ**Question ID : **70819113807**Option 1 ID : **70819145765**Option 2 ID : **70819145766**Option 3 ID : **70819145764**Option 4 ID : **70819145763**Status : **Answered**Chosen Option : **2**

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



Options

1.



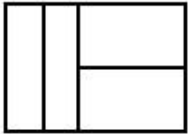
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113824**

Option 1 ID : **70819145834**

Option 2 ID : **70819145831**

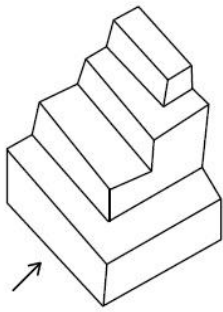
Option 3 ID : **70819145833**

Option 4 ID : **70819145832**

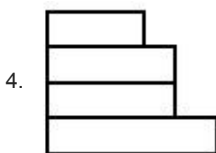
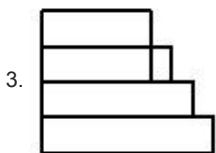
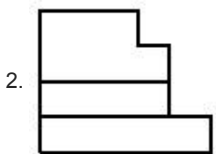
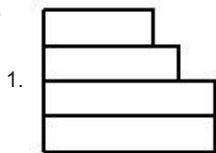
Status : **Answered**

Chosen Option : **2**

Q.43 The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



Options



Question Type : **MCQ**

Question ID : **70819113819**

Option 1 ID : **70819145813**

Option 2 ID : **70819145812**

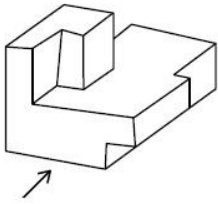
Option 3 ID : **70819145814**

Option 4 ID : **70819145811**

Status : **Answered**

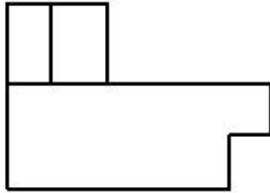
Chosen Option : **4**

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

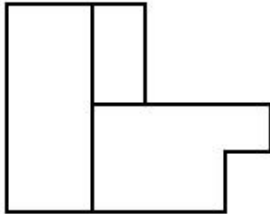


Options

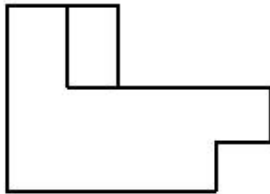
1.



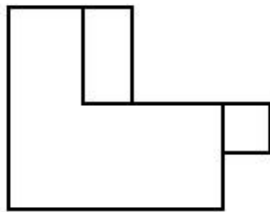
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113817**

Option 1 ID : **70819145804**

Option 2 ID : **70819145806**

Option 3 ID : **70819145803**

Option 4 ID : **70819145805**

Status : **Answered**

Chosen Option : **3**

Q.45

Match List - I with List - II.

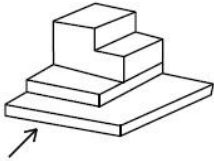
List - I		List - II	
(I)	Kamru	(a)	Victoria Memorial Hall
(II)	Delhi	(b)	Badrinath Temple
(III)	Fatehpur Sikri	(c)	Khirki Masjid
(IV)	Kolkata	(d)	Buland Darwaja

Options

1. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)
2. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)
3. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)
4. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

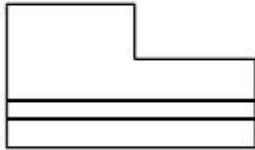
Question Type : **MCQ**Question ID : **70819113781**Option 1 ID : **70819145660**Option 2 ID : **70819145661**Option 3 ID : **70819145659**Option 4 ID : **70819145662**Status : **Answered**Chosen Option : **3**

Q.46 The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

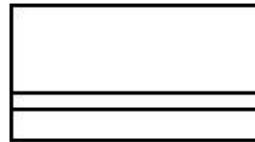


Options

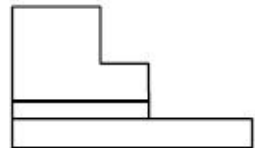
1.



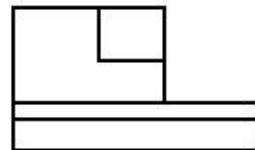
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113815**

Option 1 ID : **70819145796**

Option 2 ID : **70819145798**

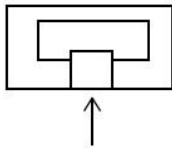
Option 3 ID : **70819145795**

Option 4 ID : **70819145797**

Status : **Answered**

Chosen Option : **3**

Q.47 The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



Options

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

Question Type : **MCQ**

Question ID : **70819113802**

Option 1 ID : **70819145746**

Option 2 ID : **70819145743**

Option 3 ID : **70819145745**

Option 4 ID : **70819145744**

Status : **Not Answered**

Chosen Option : --

Q.48 The IIM - Ahmedabad is designed by which of the following Architect ?

Options 1. **Lutyen**

2. **Laurie Baker**

3. **Louis Kahn**

4. **Le Corbusier**

Question Type : **MCQ**

Question ID : **70819113798**

Option 1 ID : **70819145729**

Option 2 ID : **70819145727**

Option 3 ID : **70819145728**

Option 4 ID : **70819145730**

Status : **Not Answered**

Chosen Option : --

Q.49 The first Indian Architect who has won Pritzker Prize in 2018 is :

- Options**
1. B.V. Doshi
 2. Laurie Baker
 3. Achyut Kanvinde
 4. Raj Rewal

Question Type : **MCQ**

Question ID : **70819113796**

Option 1 ID : **70819145719**

Option 2 ID : **70819145720**

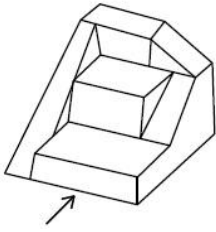
Option 3 ID : **70819145722**

Option 4 ID : **70819145721**

Status : **Not Answered**

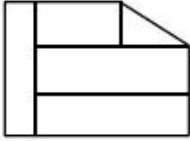
Chosen Option : --

Q.50 The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

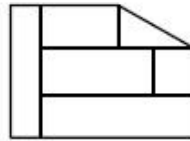


Options

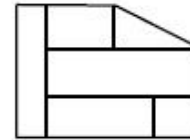
1.



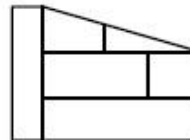
2.



3.



4.



Question Type : **MCQ**

Question ID : **70819113816**

Option 1 ID : **70819145800**

Option 2 ID : **70819145799**

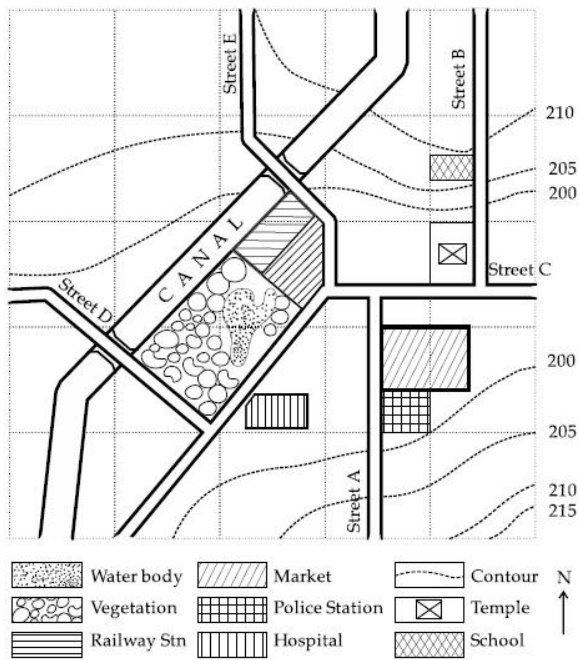
Option 3 ID : **70819145802**

Option 4 ID : **70819145801**

Status : **Answered**

Chosen Option : **2**

Section : **Planning**

Q.1 Map Reading.


In the given diagram, for a person to travel from railway station to temple, one will have to move in _____ direction.

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

Question Type : **MCQ**

Question ID : **70819113844**

Option 1 ID : **70819145911**

Option 2 ID : **70819145912**

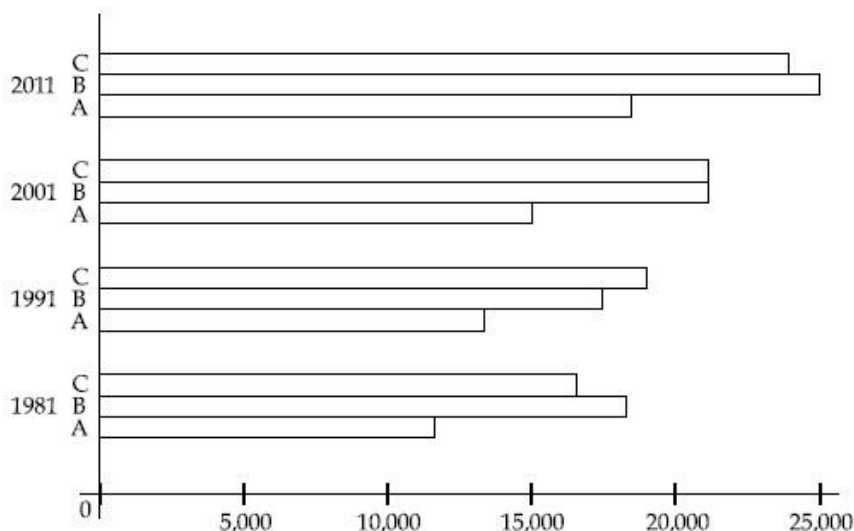
Option 3 ID : **70819145914**

Option 4 ID : **70819145913**

Status : **Answered**

Chosen Option : **3**

Q.2 Population of city A, B and C from 1981-2011.



Choose the correct statement :

Options

1. City A shows the increase in population from 1981 to 2011 and city C does not show the increase likewise.
2. City C shows continuous decline in population in various decades whereas city B shows increase.
3. Population in city A is increasing in each decade from 1981 to 2001 whereas city B shows a decline from 1981 to 1991 and then it increases from 1991 to 2001.
4. City B shows a continuous decline in population from 1981-2011 whereas city A shows an increase.

Question Type : **MCQ**

Question ID : **70819113848**

Option 1 ID : **70819145927**

Option 2 ID : **70819145930**

Option 3 ID : **70819145929**

Option 4 ID : **70819145928**

Status : **Answered**

Chosen Option : **3**

Q.3 Which of these industries did not exist in London before the first world war ?

- Options
1. Printing
 2. Clothing and Textile
 3. Iron and Steel
 4. Automobile

Question Type : **MCQ**
Question ID : **70819113829**
Option 1 ID : **70819145853**
Option 2 ID : **70819145852**
Option 3 ID : **70819145854**
Option 4 ID : **70819145851**
Status : **Not Answered**
Chosen Option : --

Q.4 What is the full form of NHAI ? Choose the correct answer.

- Options
1. National Heritage Authority of India.
 2. National Hydroelectric Power Authority of India.
 3. National Horticulture Association of India.
 4. National Highway Authority of India.

Question Type : **MCQ**
Question ID : **70819113834**
Option 1 ID : **70819145872**
Option 2 ID : **70819145873**
Option 3 ID : **70819145871**
Option 4 ID : **70819145874**
Status : **Answered**
Chosen Option : **4**

Q.5 In which year, the first industrial policy by Government of India was announced ?

- Options
1. 1947
 2. 1950
 3. 1948
 4. 1949

Question Type : **MCQ**
Question ID : **70819113836**
Option 1 ID : **70819145879**
Option 2 ID : **70819145881**
Option 3 ID : **70819145880**
Option 4 ID : **70819145882**
Status : **Not Answered**
Chosen Option : --

Q.6 A carbon footprint is the amount of _____ released into the atmosphere.

- Options**
1. Greenhouse gas
 2. Ozone
 3. Suspended Particulate Matter (SPM)
 4. Nitrogen

Question Type : **MCQ**

Question ID : **70819113830**

Option 1 ID : **70819145856**

Option 2 ID : **70819145857**

Option 3 ID : **70819145858**

Option 4 ID : **70819145855**

Status : **Not Answered**

Chosen Option : --

Q.7 Planning Commission in India has been replaced by :

- Options**
1. NIUA
 2. NITI Aayog
 3. PFI
 4. Mo HUA

Question Type : **MCQ**

Question ID : **70819113832**

Option 1 ID : **70819145865**

Option 2 ID : **70819145864**

Option 3 ID : **70819145866**

Option 4 ID : **70819145863**

Status : **Answered**

Chosen Option : **2**

- Q.8**
- A. KodaiKanal
 - B. Kullu
 - C. Mount Abu
 - D. Panchgani
 - E. Pahalgam

Arrange the above hill stations in the correct sequence from south to north in India.

Choose the correct answer from the options given below :

- Options**
- 1. $A \rightarrow D \rightarrow C \rightarrow B \rightarrow E$
 - 2. $C \rightarrow A \rightarrow B \rightarrow D \rightarrow E$
 - 3. $E \rightarrow B \rightarrow C \rightarrow D \rightarrow A$
 - 4. $E \rightarrow D \rightarrow B \rightarrow A \rightarrow C$

Question Type : **MCQ**

Question ID : **70819113831**

Option 1 ID : **70819145862**

Option 2 ID : **70819145861**

Option 3 ID : **70819145860**

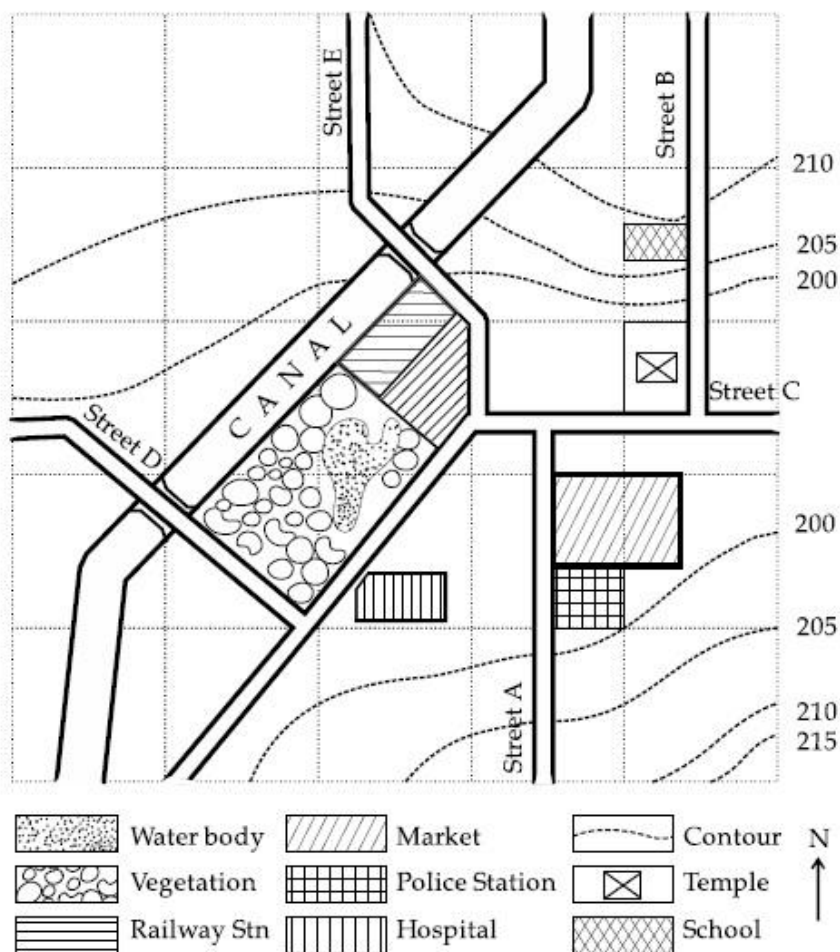
Option 4 ID : **70819145859**

Status : **Not Answered**

Chosen Option : --

Q.9

Map Reading.



With reference to the diagram, choose the correct statement.

Options 1.

Slope of land on which school is located is the same as the slope of land on which temple is located.

2.

Slope of land on which school is located is flatter than the slope of land on which hospital is located.

3.

Slope of land on which police station is located is steeper than the slope of land on which school is located.

4.

Slope of land on which school is located is steeper than the slope of land on which temple is located.

Question Type : MCQ

Question ID : 70819113843

Option 1 ID : 70819145910

Option 2 ID : 70819145907

Option 3 ID : 70819145908

Option 4 ID : 70819145909

Status : Not Answered

Chosen Option : --

Q.10 Which one of the following south Indian states has the highest ground water utilization (in percent) of its total groundwater potential ?

- Options**
1. Tamil Nadu
 2. Andhra Pradesh
 3. Karnataka
 4. Kerala

Question Type : **MCQ**

Question ID : **70819113840**

Option 1 ID : **70819145895**

Option 2 ID : **70819145897**

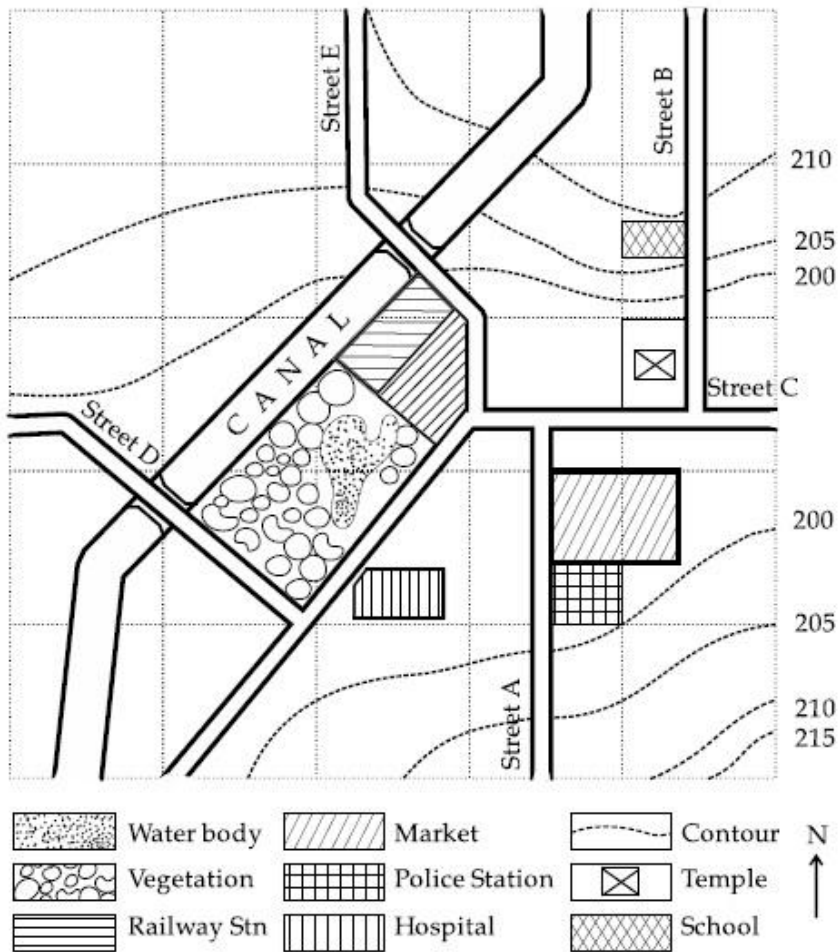
Option 3 ID : **70819145896**

Option 4 ID : **70819145898**

Status : **Not Answered**

Chosen Option : --

Q.11 Map Reading.



In the given diagram, water body is located at a level :

- Options
1. 5 m higher than school.
 2. 5 m higher than police station.
 3. same level as school.
 4. same level as police station.

Question Type : **MCQ**

Question ID : **70819113845**

Option 1 ID : **70819145916**

Option 2 ID : **70819145915**

Option 3 ID : **70819145918**

Option 4 ID : **70819145917**

Status : **Not Answered**

Chosen Option : --

Q.12 Hundreds of Shanty towns line the river banks, train tracks, and garbage dumps in the Filipino capital. Around a quarter of its 12 million are considered 'informal settlers'. Manila is starkly representative of a global problem. According to the United Nations, about a quarter of the World's urban population lives in slums.

Slum tourism takes outsiders through their most impoverished marginalized districts. Slum tourism sparks considerable debate around an uncomfortable moral dilemma. Many consider the practice little more than slack-jawed privileged people gawking at those less fortunate. Others argue they raise awareness and provide numerous examples of giving back to the local communities.

The nearest meaning of 'Gawking' in this paragraph would be :

- Options**
1. Learning
 2. Gloating
 3. Peeping
 4. Staring

Question Type : **MCQ**

Question ID : **70819113851**

Option 1 ID : **70819145939**

Option 2 ID : **70819145942**

Option 3 ID : **70819145941**

Option 4 ID : **70819145940**

Status : **Not Answered**

Chosen Option : --

Q.13 Planning of Barcelona city in Spain is known for its :

- Options**
1. waterbased transport
 2. high rise development
 3. radial pattern
 4. superblocks

Question Type : **MCQ**

Question ID : **70819113837**

Option 1 ID : **70819145886**

Option 2 ID : **70819145885**

Option 3 ID : **70819145884**

Option 4 ID : **70819145883**

Status : **Not Answered**

Chosen Option : --

Q.14 How many Sustainable Development Goals were adopted by the United Nations ?

- Options
1. 18
 2. 17
 3. 15
 4. 16

Question Type : **MCQ**

Question ID : **70819113835**

Option 1 ID : **70819145878**

Option 2 ID : **70819145877**

Option 3 ID : **70819145875**

Option 4 ID : **70819145876**

Status : **Not Answered**

Chosen Option : --

Q.15 As per 73rd amendment act (73rd CAA) 1992 first time one third (1/3) reservation for women was provided in which of the following ?

- Options
1. Lok Sabha
 2. State Legislative Assembly
 3. Panchayati Raj bodies
 4. Cabinets

Question Type : **MCQ**

Question ID : **70819113842**

Option 1 ID : **70819145903**

Option 2 ID : **70819145904**

Option 3 ID : **70819145906**

Option 4 ID : **70819145905**

Status : **Answered**

Chosen Option : **3**

Q.16 Given below are two statements : one is labelled as Assertion A and the other is labelled as Reason R.

Assertion A : Over the last two decades collective attention span is decreasing.

Reason R : Quick availability and rapid access to large amount of information leads to loss of interest in one topic very quickly.

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

- Options
1. Both A and R are true and R is the correct explanation of A
 2. Both A and R are true but R is NOT the correct explanation of A
 3. A is true but R is false
 4. A is false but R is true

Question Type : **MCQ**

Question ID : **70819113852**

Option 1 ID : **70819145943**

Option 2 ID : **70819145944**

Option 3 ID : **70819145945**

Option 4 ID : **70819145946**

Status : **Not Answered**

Chosen Option : --

Q.17 When was the special Economic Zone's Act enacted in India ?

- Options
1. 2009
 2. 2007
 3. 2011
 4. 2005

Question Type : **MCQ**

Question ID : **70819113833**

Option 1 ID : **70819145869**

Option 2 ID : **70819145868**

Option 3 ID : **70819145870**

Option 4 ID : **70819145867**

Status : **Not Answered**

Chosen Option : --

Q.18 Which of these schemes / programmes by Government of India is linked to heritage cities ?

- Options
1. **HRIDAY**
 2. **UDAY**
 3. **Make in India**
 4. **AMRUT**

Question Type : **MCQ**

Question ID : **70819113839**

Option 1 ID : **70819145893**

Option 2 ID : **70819145894**

Option 3 ID : **70819145892**

Option 4 ID : **70819145891**

Status : **Answered**

Chosen Option : **1**

Q.19 Survey of India was established in :

- Options
1. **1896**
 2. **1866**
 3. **1876**
 4. **1886**

Question Type : **MCQ**

Question ID : **70819113841**

Option 1 ID : **70819145902**

Option 2 ID : **70819145901**

Option 3 ID : **70819145900**

Option 4 ID : **70819145899**

Status : **Answered**

Chosen Option : **4**

Q.20 Which of these is not an industrial city ?

- Options
1. **Bhilai**
 2. **Bhubaneshwar**
 3. **Durgapur**
 4. **Vishakhapatnam**

Question Type : **MCQ**

Question ID : **70819113838**

Option 1 ID : **70819145890**

Option 2 ID : **70819145889**

Option 3 ID : **70819145887**

Option 4 ID : **70819145888**

Status : **Answered**

Chosen Option : **2**

Q.21 The surface area of earth is 510 million km². The land area is thirty percent of total surface. Urban land is three percent of total land surface. World population is 7.8 billion and fifty five percent is urban population. Find the closest correct answer.

Options

1. The density of population in urban area is 7800 persons/sq.km.

2.

The density of population in urban area is 1000 persons/sq.km.

3.

The density of population in urban area is 849 persons/sq.km.

4.

The density of population in urban area is 4290 persons/sq.km.

Question Type : **MCQ**

Question ID : **70819113847**

Option 1 ID : **70819145926**

Option 2 ID : **70819145923**

Option 3 ID : **70819145924**

Option 4 ID : **70819145925**

Status : **Not Answered**

Chosen Option : --

Q.22 Hundreds of Shanty towns line the river banks, train tracks, and garbage dumps in the Filipino capital. Around a quarter of its 12 million are considered 'informal settlers'. Manila is starkly representative of a global problem. According to the United Nations, about a quarter of the World's urban population lives in slums.

Slum tourism takes outsiders through their most impoverished marginalized districts. Slum tourism sparks considerable debate around an uncomfortable moral dilemma. Many consider the practice little more than slack-jawed privileged people gawking at those less fortunate. Others argue they raise awareness and provide numerous examples of giving back to the local communities.

Which of the following best justify 'Slum Tourism' in the above paragraph ?

Options 1. As a charity by privileged people.

2. As a way to reduce crime.

3.

As a way to sensitize travellers about poor living conditions in the society.

4. As an adventure activity.

Question Type : **MCQ**

Question ID : **70819113850**

Option 1 ID : **70819145935**

Option 2 ID : **70819145936**

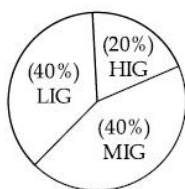
Option 3 ID : **70819145937**

Option 4 ID : **70819145938**

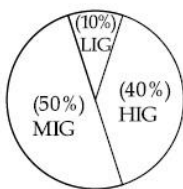
Status : **Not Answered**

Chosen Option : --

- Q.23** The following pie-charts show the distribution of students enrolled in higher secondary and in college education, with respect to the household income of their families.



Higher Secondary Education



College Education

The ratio between the number of students from LIG household category studying at higher secondary to those in college is :

- Options**
- 1 : 5
 - 6 : 1
 - 4 : 1
 - 1 : 4

Question Type : **MCQ**

Question ID : **70819113846**

Option 1 ID : **70819145920**

Option 2 ID : **70819145921**

Option 3 ID : **70819145919**

Option 4 ID : **70819145922**

Status : **Answered**

Chosen Option : **3**

- Q.24** In a survey, the speeds of 100 vehicles were observed. The following table gives the distribution of vehicle speed and the corresponding number of vehicles.

Vehicle Speed (kmhr ⁻¹)	No. of Vehicles
20	6
25	20
28	24
29	28
33	15
38	4
40	2
45	1

The median speed of the vehicles is :

- Options**
- 28.5 kmhr⁻¹
 - 26 kmhr⁻¹
 - 30 kmhr⁻¹
 - 21.5 kmhr⁻¹

Question Type : **MCQ**

Question ID : **70819113849**

Option 1 ID : **70819145934**

Option 2 ID : **70819145931**

Option 3 ID : **70819145933**

Option 4 ID : **70819145932**

Status : **Not Answered**

Chosen Option : **--**

- Q.25** Given below are two statements : one is labelled as Assertion A and the other is labelled as Reason R :
- Assertion A : In past two decades, rate of divorce has increased in India.
- Reason R : Increasing number of married couples do not want to have children.
- In the light of the above statements, choose the correct answer from the options given below :

- Options**
1. A is true but R is false
 2. Both A and R are true and R is the correct explanation of A
 3. Both A and R are true but R is NOT the correct explanation of A
 4. A is false but R is true

Question Type : **MCQ**
 Question ID : **70819113853**
 Option 1 ID : **70819145949**
 Option 2 ID : **70819145947**
 Option 3 ID : **70819145948**
 Option 4 ID : **70819145950**
 Status : **Not Answered**
 Chosen Option : --

Section : **Drawing**

- Q. 1** Draw a proportionate sketch of given reference image by using any black and white rendering techniques of your own choice.

OR

Decode image and prepare balanced composition in a frame of your choice by using any black and white rendering techniques.



Question Type : **SUBJECTIVE**
 Question ID : **70819113854**
 Status : **Not Attempted**

- Q. 2** Draw a scene of a Kite festival by using colors.

OR

Draw a Harmonic three dimensional composition with the following two types of objects.

- (i) CUBOID A : SIZE 2 cm × 2 cm × 2 cm, 5 Nos.
- (ii) CUBOID B : SIZE 5 cm × 2 cm × 2 cm, 4 Nos.

Use 'Cool Colorscheme' for composition.

Question Type : **SUBJECTIVE**
 Question ID : **70819113855**
 Status : **Not Attempted**