

National Testing Agency

Question Paper Name :	B PLANNING 5th Aug 2021 Shift 2
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B PLANNING

Group Number :	1
Group Id :	67603326
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	400
Is this Group for Examiner? :	No

Mathematics Section A

Section Id :	676033148
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	80

Enable Mark as Answered Mark for Review and Clear Response : Yes
Sub-Section Number : 1
Sub-Section Id : 676033148
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 6760332260 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

The value of the integral $\int_3^5 x\sqrt{(8-x)} dx$ is

Options :

6760336891. $\frac{50\sqrt{5}}{3} + \frac{62\sqrt{3}}{5}$

6760336892. $\frac{43\sqrt{7}}{5} + \frac{32\sqrt{2}}{3}$

6760336893. $\frac{50\sqrt{5}}{3} - \frac{62\sqrt{3}}{5}$

6760336894. $\frac{51\sqrt{6}}{7} - \frac{13\sqrt{7}}{3}$

Question Number : 2 Question Id : 6760332261 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statement I :

$$2^{\sin x} + 2^{\cos x} \geq 2^{1-\frac{1}{\sqrt{2}}}, \forall x \in \mathbb{R}.$$

Statement II :

$$4^{\sin x} + 4^{\cos x} \geq 2^{1-\sqrt{2}}, \forall x \in \mathbb{R}.$$

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

Options :

6760336895. Both Statement I and Statement II are correct.

6760336896. Both Statement I and Statement II are incorrect.

6760336897. Statement I is correct but Statement II is incorrect.

6760336898. Statement I is incorrect but Statement II is correct.

Question Number : 3 Question Id : 6760332262 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Let \vec{a} , \vec{b} and \vec{c} be three non-zero vectors, where $\vec{r} \times \vec{a} = \vec{b} \times \vec{a}$ and

$\vec{r} \cdot \vec{c} = 0$, where $\vec{a} \cdot \vec{b} \neq 0$, $\vec{a} \cdot \vec{c} \neq 0$.

Then, $\left(\frac{\vec{a} \cdot \vec{c}}{a \cdot c}\right) \left(\vec{r} \times \vec{b}\right) + \left(\frac{\vec{b} \cdot \vec{c}}{b \cdot c}\right) \left(\vec{a} \times \vec{b}\right)$ is

Options :

6760336899. $-\left(\begin{matrix} \vec{a} & \vec{b} \end{matrix}\right) \vec{c}$

6760336900. $\vec{0}$

6760336901. \vec{c}

6760336902. $\left(\begin{matrix} \vec{a} & \vec{b} \end{matrix}\right) \vec{c}$

Question Number : 4 Question Id : 6760332263 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Let α and β be two roots of the quadratic equation $ax^2 + bx + c = 0$, where a , b and c are non-zero real numbers. The roots of the equation

$cx^2 + (b + 6c)x + (a + 3b + 9c) = 0$ are

Options :

6760336903. $\frac{\alpha + 3}{\beta}$ and $\frac{\beta - 3}{\alpha}$

6760336904. $\frac{3}{\alpha}$ and $\frac{\beta + 3}{\beta}$

6760336905. $\frac{\alpha - 3}{\alpha}$ and $\frac{3}{\beta}$

6760336906. $\frac{1-3\alpha}{\alpha}$ and $\frac{1-3\beta}{\beta}$

Question Number : 5 Question Id : 6760332264 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Let α be a positive real number such that $x^2 + \alpha x + 6 = 0$ and $\alpha(x^2 + 1) + 12x = 0$ have real roots. Then the maximum possible value of the real root of $\sqrt{3}x^2 - x - 4\sqrt{3}\alpha = 0$ is

Options :

6760336907. $2\sqrt{6}$

6760336908. $\frac{4}{\sqrt{3}}$

6760336909. $3\sqrt{3}$

6760336910. 6

Question Number : 6 Question Id : 6760332265 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Find the equation of a circle which passes through the point $(-1, 0)$ and whose center is the limit of the point of intersection of the lines $x - 3y = 1$, and

$(a - 2)x + 3a^2y = -1$, when a tends to 1.

Options :

6760336911. $81x^2 + 81y^2 - 108x + 18y - 189 = 0$

6760336912. $81x^2 + 81y^2 - 108x + 9y - 189 = 0$

6760336913. $x^2 + y^2 - 54x + 9y - 55 = 0$

6760336914. $9x^2 + 9y^2 + 108x - 18y + 99 = 0$

Question Number : 7 Question Id : 6760332266 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

A wire of length 12 meter is shaped into a figure that has a semicircle and a rectangle with one side of rectangle as the diameter of the semicircle. If the area of the figure is maximum, then the circumference of the semicircle is

Options :

6760336915. $\frac{12\pi}{(\pi + 8)}$

6760336916. $\frac{6(\pi + 2)}{(\pi + 8)}$

6760336917. $\frac{\pi + 2}{(\pi + 8)}$

6760336918. $\frac{12}{(\pi + 8)}$

Question Number : 8 Question Id : 6760332267 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

If a curve $y = y(x)$ passes through the point $(1, e^2)$ and satisfies the differential

equation $x \frac{dy}{dx} = y (\log_e y - \log_e x + 1)$, $x > 0$, then $y(2)$ is equal to

Options :

6760336919. e^4

6760336920. $2e^4$

6760336921. $\frac{5}{2}e^4$

6760336922. $3e^4$

Question Number : 9 Question Id : 6760332268 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

The equation of a plane, which passes through the point $(1, 1, -1)$ and perpendicular to the line of intersection of the planes

$x + y + z = 3$, $x - 2y + z = 3$ is

Options :

6760336923. $x + y + 4z = -2$

6760336924. $x + y + 2z = 0$

6760336925. $x - z = 2$

6760336926. $-x + 2z = -3$

Question Number : 10 Question Id : 6760332269 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

The angle of elevation of the top of a tower from a point A due south of the tower is 45° and from a point B due east of the tower is 30° . If $AB = 100$ meters, then the height of the tower is

(Note that tower is perpendicular to the plane which passes through the base of the tower and the points A, B.)

Options :

6760336927. 50 meters

6760336928. $10\sqrt{30}$ meters

6760336929. $\frac{100\sqrt{10}}{\sqrt{3}}$ meters

6760336930. 200 meters

Question Number : 11 Question Id : 6760332270 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

If the shortest distance between the plane $2x - 3y + 5z = 4$ and the line

$\frac{x-1}{4} = \frac{y+1}{11} = \frac{z-c}{d}$ is $\frac{7}{\sqrt{152}}$ units, then which of the following is TRUE ?

Options :

6760336931. $0 < c + d \leq 4$

6760336932. $4 < c + d \leq 6$

6760336933. $c + d > 6$

6760336934. $c + d = 0$

Question Number : 12 Question Id : 6760332271 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

The area of the region $R = \{(x, y) : |x| \leq 1 - y^2\}$ is

Options :

6760336935. $\frac{2}{3}$

6760336936. $\frac{5}{2}$

6760336937. $\frac{8}{3}$

6760336938. 3

Question Number : 13 Question Id : 6760332272 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

The locus of the mirror image of the point $(2, -1)$ through the lines pass through

the point $\left(\frac{5}{2}, 0\right)$ is

Options :

6760336939. $x^2 + y^2 - 5 = 0$

6760336940. $x^2 + y^2 - 5x + 5 = 0$

6760336941. $x^2 + y^2 - 5x - 5 = 0$

6760336942. $x^2 + y^2 + 5y - 5 = 0$

Question Number : 14 Question Id : 6760332273 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Let $y = y(x)$ be the solution of the differential equation

$\cos x \frac{dy}{dx} + y \sin x = x^2 \cos^2 x, x \in \left(-\frac{\pi}{2}, \frac{\pi}{2}\right)$. If $y(0) = 0$, then $y\left(\frac{\pi}{3}\right)$ is equal to

Options :

6760336943. $\frac{\pi^3}{54\sqrt{3}}$

6760336944. $\frac{\pi^3}{162}$

6760336945. $\frac{\pi^3}{81\sqrt{2}}$

$$\frac{\pi^2}{54}$$

6760336946. **Question Number : 15 Question Id : 6760332274 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Let n be a natural number. Let

$p : n=3k+5$ for some integer k

$q : n^2=3k+1$ for some integer k

$r : n=3k+7$ for some integer k

be logical statements. Then which of the following Boolean expressions is a tautology ?

Options :

6760336947. $q \Rightarrow p$

6760336948. $q \Rightarrow r$

6760336949. $q \Rightarrow p \vee r$

6760336950. $p \wedge q \Rightarrow r$

Question Number : 16 Question Id : 6760332275 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

If $\left| \vec{p} + \vec{q} \right| = \lambda$, $\left(\vec{p} + \vec{q} \right) \cdot \left(-7\hat{i} + 2\hat{j} + 3\hat{k} \right) = 4$ and

$\vec{p} \times \left(2\hat{i} + 3\hat{j} + 4\hat{k} \right) = (2i + 3j + 4k) \times \vec{q}$, then λ is equal to

Options :

6760336951. $\frac{\sqrt{29}}{8}$

6760336952. $\sqrt{29}$

6760336953. $\frac{\sqrt{29}}{2}$

6760336954. $2\sqrt{29}$

Question Number : 17 Question Id : 6760332276 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

If $Q = \begin{bmatrix} \frac{1}{\sqrt{2}} & \frac{1}{\sqrt{2}} \\ -\frac{1}{\sqrt{2}} & \frac{1}{\sqrt{2}} \end{bmatrix}$ and $A = \begin{bmatrix} x & x \\ 0 & x \end{bmatrix}$, where x is a cube root of unity and

$P = QAQ^T$, then the matrix $Q^T P^{1707} Q$ is

(Where Q^T denote transpose of matrix Q)

Options :

$$6760336955. \begin{bmatrix} 1 & 1 \\ 0 & 1 \end{bmatrix}$$

$$6760336956. \begin{bmatrix} 1 & 569 \\ 0 & 1 \end{bmatrix}$$

$$6760336957. \begin{bmatrix} 1 & 1707 \\ 0 & 1 \end{bmatrix}$$

$$6760336958. \begin{bmatrix} x & 1707x \\ 0 & x \end{bmatrix}$$

Question Number : 18 Question Id : 6760332277 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

A plane of an army is flying along the curve $y = x^2 + 2$. A soldier is placed at the point (3, 2). The nearest distance of the soldier from the plane is

Options :

$$6760336959. \sqrt{2}$$

$$6760336960. \sqrt{3}$$

$$6760336961. \sqrt{5}$$

$$6760336962. \sqrt{7}$$

Question Number : 19 Question Id : 6760332278 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

The common tangents of two ellipses $\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$ and $\frac{x^2}{b^2} + \frac{y^2}{a^2} = 1$, $a \neq b$, is also tangent to a circle centered at the origin. Then the equation of the circle is

Options :

6760336963. $x^2 + y^2 = \frac{(a^2 + b^2)}{2}$

6760336964. $x^2 + y^2 = (a^2 + b^2)$

6760336965. $x^2 + y^2 = \sqrt{2}(a^2 + b^2)$

6760336966. $x^2 + y^2 = \frac{(a^2 + b^2)}{\sqrt{2}}$

Question Number : 20 Question Id : 6760332279 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

If $0 < \alpha, \beta < \frac{\pi}{2}$ and $\alpha + 2\beta = \pi$, then the minimum value of

$\sin^2(\alpha + \beta) + \sin^2(\alpha - \beta)$ is

Options :

6760336967. $\frac{5}{\sqrt{6}}$

6760336968. $\frac{5}{2\sqrt{6}}$

6760336969. $1 - \frac{3}{2\sqrt{6}}$

6760336970. $1 - \frac{2}{3\sqrt{6}}$

Mathematics Section B

Section Id :	676033149
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	5
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	676033149
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 6760332280 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

The base of an equilateral triangle of which one of the vertex is (3, 0), is along the line $x + \sqrt{2}y = 2$. Then the perimeter of the triangle is _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

100

Question Number : 22 Question Id : 6760332281 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

If the variance of $n(>1)$ numbers $a+b, 2a+b, 3a+b, \dots, na+b$ is $3n^2 - 3$,
then the value of $|a|$ is _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

100

Question Number : 23 Question Id : 6760332282 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

The least number of times a man should toss a fair coin, so that the probability of having at least one head is more than 0.9, is _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

100

Question Number : 24 Question Id : 6760332283 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

The number of positive integral solutions of $abc=30$ is _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

100

Question Number : 25 Question Id : 6760332284 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

Let be a function defined as $5f\left(\frac{3}{x+y}\right) = f\left(\frac{3}{x}\right) + f\left(\frac{3}{y}\right)$, for all $x, y > 0$.

If $x+y+z=3$, $x, y, z > 0$, and $f\left(\frac{3}{x}\right) + f\left(\frac{3}{y}\right) + f\left(\frac{3}{z}\right) = cf(1) \neq 0$, then value of

$14c$ is _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

100

Question Number : 26 Question Id : 6760332285 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

If $A = \begin{bmatrix} 1 & 0 & 0 \\ 2 & -1 & 0 \\ 5 & -4 & 2 \end{bmatrix}$ and R, S are two 3×1 column matrices such that $AR = \begin{bmatrix} 2 \\ 1 \\ 3 \end{bmatrix}$

and $AS = \begin{bmatrix} -1 \\ 0 \\ 3 \end{bmatrix}$, then the modulus of $R^T S$ is _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

100

Question Number : 27 **Question Id :** 6760332286 **Question Type :** SA

Correct Marks : 4 **Wrong Marks :** 0

The number of elements a in the open interval $(-2, 2)$ such that the limit

$\lim_{x \rightarrow a} \left([x^2 - 1] - [1 - x] \right)$ does not exist, is _____.

($[x]$ denotes the greatest integer value of x)

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

100

Question Number : 28 Question Id : 6760332287 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

The remainder when $(25)^{98}$ is divided by 11, is _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

100

Question Number : 29 Question Id : 6760332288 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

Let $[x]$ be the greatest integer less than or equal to x . If $\sum_{n=3}^{26} \left[\frac{n^2 + 1}{2} \right] = 13k - 3$,

then k is equal to _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

100

Question Number : 30 Question Id : 6760332289 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

If a_1, a_2, a_3, \dots is an arithmetic progression such that

$a_1 + a_4 + a_8 + a_{13} + a_{17} + a_{20} = 225$, then the sum of its first twenty terms is _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

100

Aptitude Test

Section Id :	676033150
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	676033150
Question Shuffling Allowed :	Yes

Question Number : 31 Question Id : 6760332290 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Which one of the following is listed as UNESCO world heritage site till December, 2020 ?

Options :

6760336981. Manas National Park

6760336982. Rajaji National Park

6760336983. Jim Corbett National Park

6760336984. Kanha National Park

**Question Number : 32 Question Id : 6760332291 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1**

Which type of floor will be helpful for a blind person for walking ?

Options :

6760336985. Rough Tactile Floor

6760336986. Floor with sign language

6760336987. Smooth surface floor

6760336988. Specific tactile pattern floor

**Question Number : 33 Question Id : 6760332292 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1**

Sequencing

- (A) Humayun
- (B) Shahjahan
- (C) Aurangzeb
- (D) Akbar
- (E) Jahangir

Choose the correct answer from the options as given below :

Options :

6760336989. A, B, D, E, C

6760336990. A, D, B, E, C

6760336991. A, D, E, B, C

6760336992. A, E, B, D, C

Question Number : 34 Question Id : 6760332293 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

First state of India which has made roof-top rainwater harvesting structures compulsory -

Options :

6760336993. Tamil Nadu

6760336994. Uttarakhand

6760336995. Punjab

6760336996. Odisha

Question Number : 35 Question Id : 6760332294 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Limestone as raw material is used in

Options :

6760336997. Aluminium

6760336998. Cement

6760336999. Plastic

6760337000. Automobile

Question Number : 36 Question Id : 6760332295 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The famous star temple is located in which one of the following states ?

Options :

6760337001. Odisha

6760337002. Madhya Pradesh

6760337003. Uttar Pradesh

6760337004. Haryana

Question Number : 37 Question Id : 6760332296 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Drawings of the buildings are drawn using –

Options :

6760337005. Reducing scale

6760337006. Actual scale

6760337007. Chord scale

6760337008. Diagonal scale

Question Number : 38 Question Id : 6760332297 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following colour shows the ambition ?

Options :

6760337009. Green

6760337010. Black

6760337011. Dark Green

6760337012. Dark Blue

Question Number : 39 Question Id : 6760332298 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

‘Mehrangarh Fort’ situated in which city ?

Options :

6760337013. Jodhpur

6760337014. Udaipur

6760337015. Jaipur

6760337016. Jaisalmer

Question Number : 40 Question Id : 6760332299 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

‘Frank Lloyd Wright’ the famous architect was born in which country ?

Options :

6760337017. USA (United States of America)

6760337018. Britain

6760337019. Australia

6760337020. Canada

Question Number : 41 Question Id : 6760332300 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Who is the Artist of famous picture ‘The Virgin of the Rocks’ ?

Options :

6760337021. Pablo Picasso

6760337022. Andy Warhole

6760337023. Leonardo da Vinci

6760337024. Uincent Van Gogh

Question Number : 42 Question Id : 6760332301 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The word 'Torna' is synonymous to which of the following element of the building ?

Options :

6760337025. Arch

6760337026. Pillar

6760337027. Window

6760337028. Gate

Question Number : 43 Question Id : 6760332302 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following architects has designed the 'New Central Vista' in New Delhi ?

Options :

6760337029. Charels Correa

6760337030. Christopher Benninger

6760337031. Bimal Patel

6760337032. B. V. Doshi

Question Number : 44 Question Id : 6760332303 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

One is labelled as Assertion A and the other is labelled as Reason R.

Assertion A : Traditional buildings all over the world use locally available material for construction.

Reason R : The locally available materials are structurally most stable and hence used in construction of traditional buildings.

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

Options :

6760337033. Both 'A' and 'R' are correct 'R' is the correct explanation of 'A'.

6760337034. Both 'A' and 'R' are correct but 'R' is not the correct explanation of 'A'.

6760337035. 'A' is correct but 'R' is not correct.

6760337036. 'A' is not correct but 'R' is correct.

Question Number : 45 Question Id : 6760332304 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

First platinum Rated Green Building in India is located in which city ?

Options :

6760337037. Mumbai

6760337038. New Delhi

6760337039. Hyderabad

6760337040. Bangalore

Question Number : 46 Question Id : 6760332305 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Master Plan of Capital City ‘Amaravati’ was designed in 2014 by which of the following architect ?

Options :

6760337041. Zaha Hadid

6760337042. Bimal Patel

6760337043. Richard Mier

6760337044. Norman Foster

Question Number : 47 Question Id : 6760332306 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

9/11 attack was done on which of the following building ?

Options :

6760337045. World Trade Centre

6760337046. Patronus Tower

6760337047. Taj Mahal

6760337048. White House

Question Number : 48 Question Id : 6760332307 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which city in India is listed as a UNESCO World Heritage site in 2019 ?

Options :

6760337049. Mysore

6760337050. Jaipur

6760337051. Jaisalmer

6760337052. Banaras

Question Number : 49 Question Id : 6760332308 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The famous cave 'Elora' is dedicated to which Lord ?

Options :

6760337053. Shiva

6760337054. Vishnu

6760337055. Ganesha

6760337056. Indra

Question Number : 50 Question Id : 6760332309 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

The famous theatre 'Rajmandir' is located in which city ?

Options :

6760337057. Gujarat

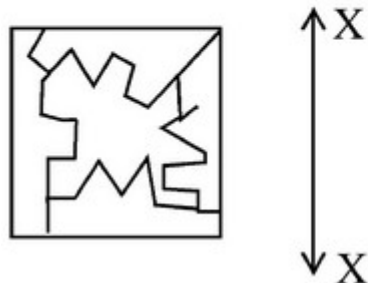
6760337058. Jaipur

6760337059. Gandhinagar

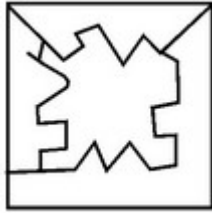
6760337060. Udaipur

Question Number : 51 Question Id : 6760332310 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

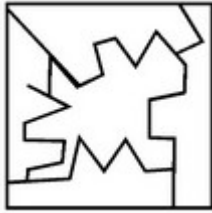
Which one of the following answers figure is the correct mirror image of the problem figure with respect to X-X ?



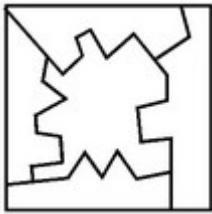
Options :



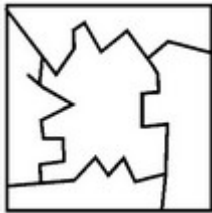
6760337061.



6760337062.



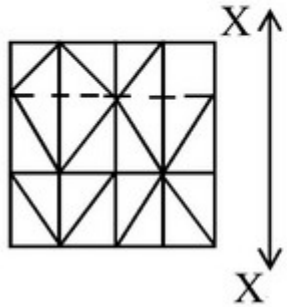
6760337063.



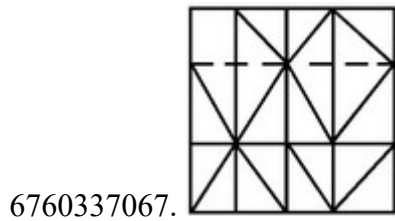
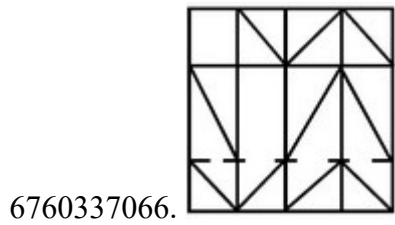
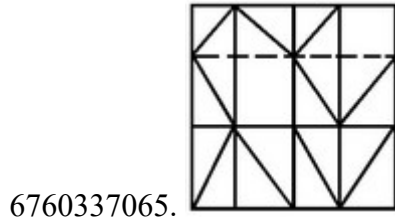
6760337064.

**Question Number : 52 Question Id : 6760332311 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1**

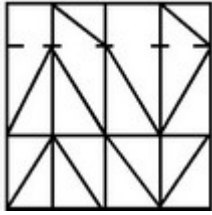
Which one of the answers figure is the correct mirror image of problem figure with respect to X-X ?



Options :

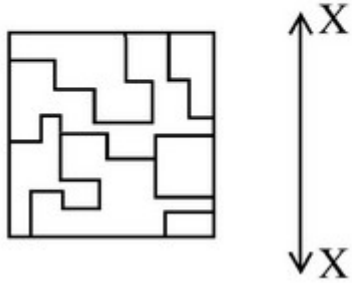


6760337068.



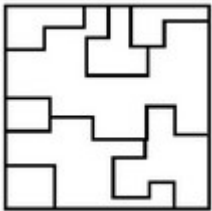
Question Number : 53 Question Id : 6760332312 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

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

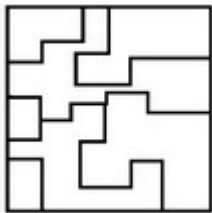


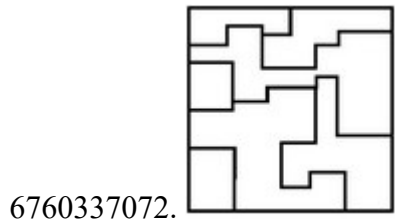
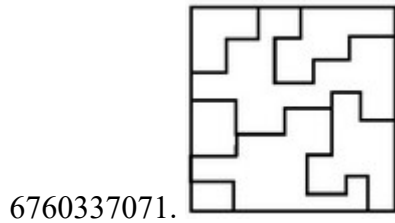
Options :

6760337069.



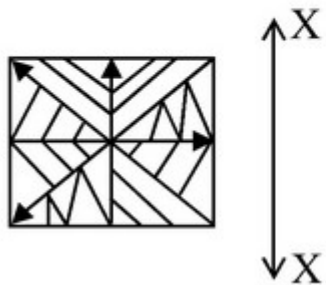
6760337070.



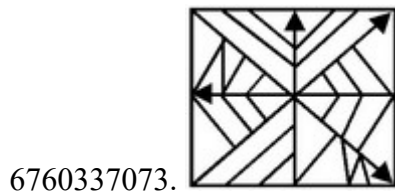


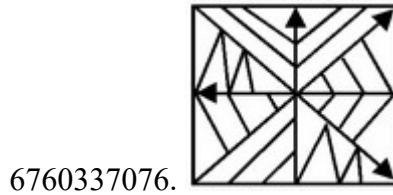
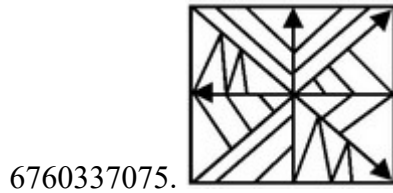
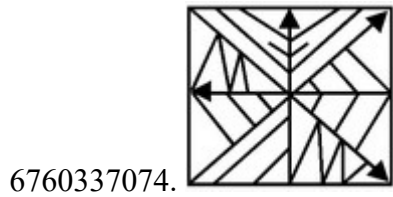
Question Number : 54 Question Id : 6760332313 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

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



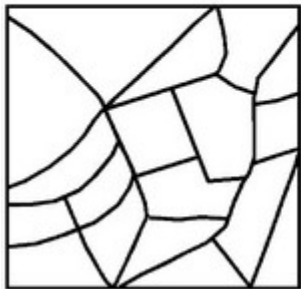
Options :



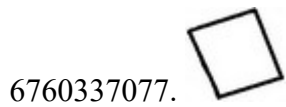



Question Number : 55 Question Id : 6760332314 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1


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




Options :



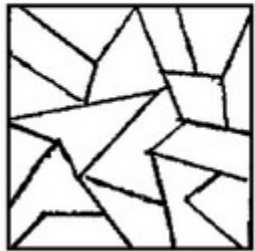
6760337078. 

6760337079. 


6760337080. 


Question Number : 56 Question Id : 6760332315 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1


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



Options :

6760337081. 

6760337082. 

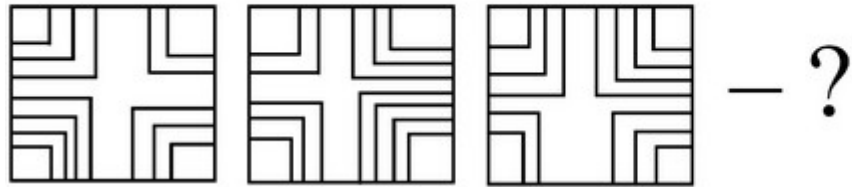
6760337083. 

6760337084.

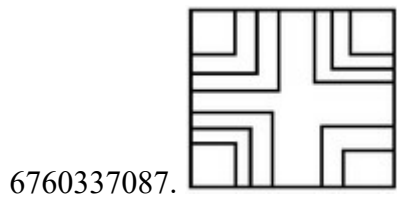
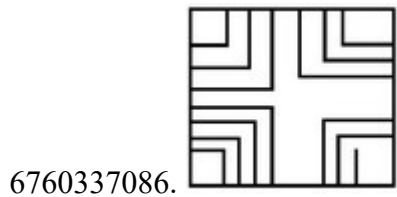
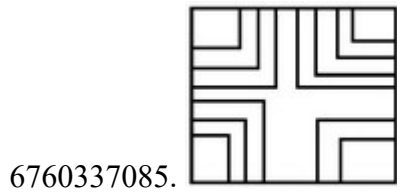


Question Number : 57 Question Id : 6760332316 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

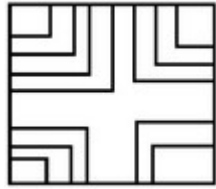
Which one of the answer figures will complete the sequence of the three problem figures ?



Options :

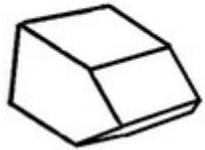


6760337088.



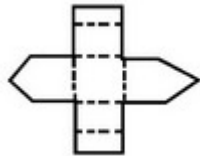
Question Number : 58 Question Id : 6760332317 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Which one of the answer figures shows the correct view of 3-D image unfold.

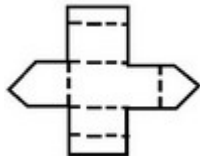


Options :

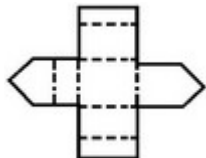
6760337089.

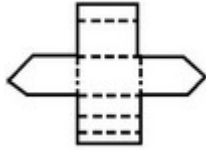


6760337090.



6760337091.

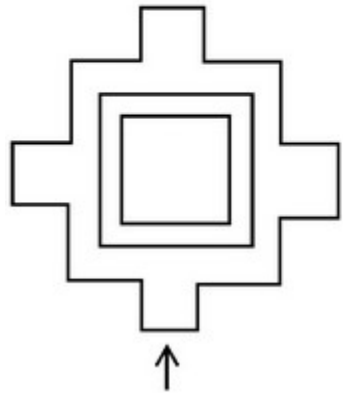




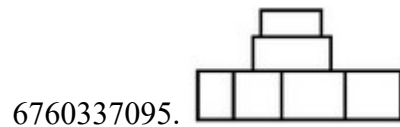
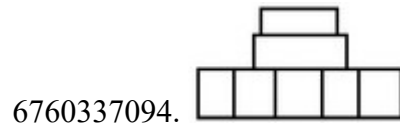
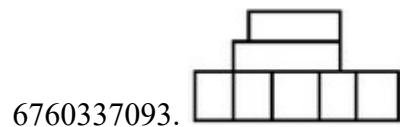
6760337092.

Question Number : 59 Question Id : 6760332318 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

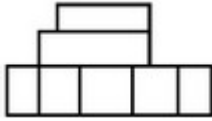
The problem figure shows the top view of an object. Identify the correct elevation from the answer figures looking in the direction of arrow.



Options :

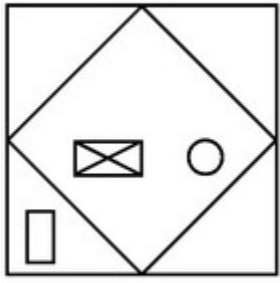


6760337096.

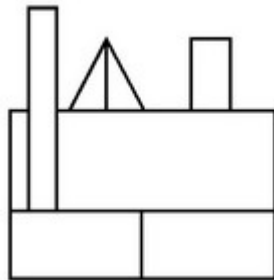


Question Number : 60 Question Id : 6760332319 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

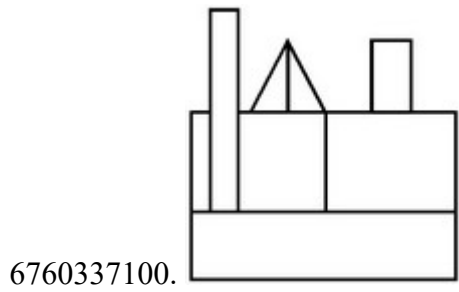
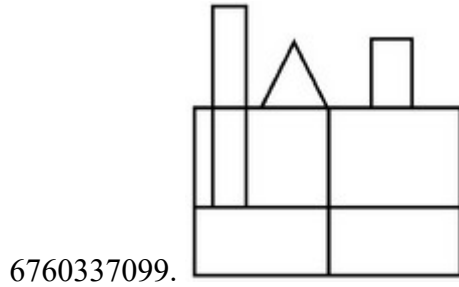
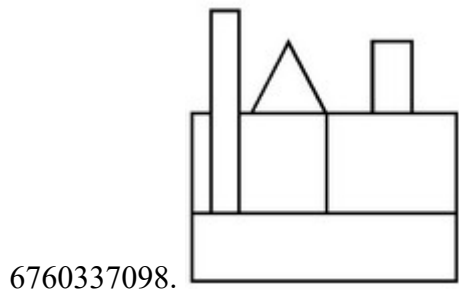
The problem figure shows the top view of an object. Identify the correct elevation from the answer figures looking in the direction of arrow.



Options :

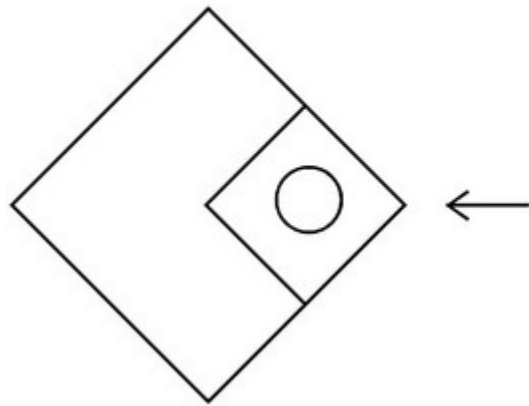


6760337097.

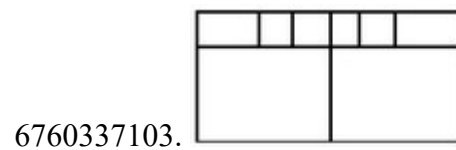
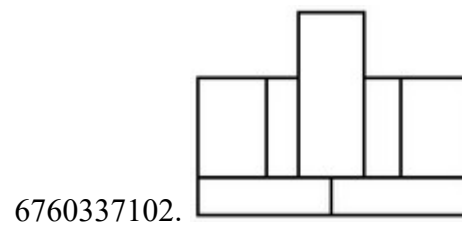
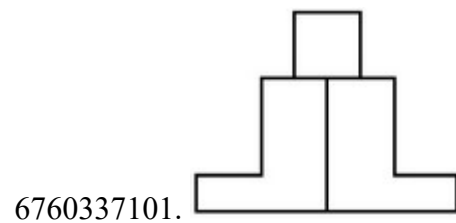


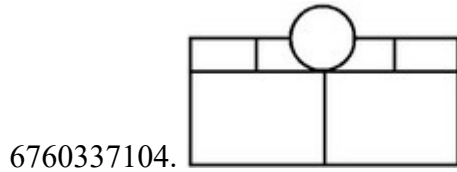
Question Number : 61 Question Id : 6760332320 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

The problem figure shows the top view of an object. Which one of the following is not the probable elevation, looking in the direction of arrow ?



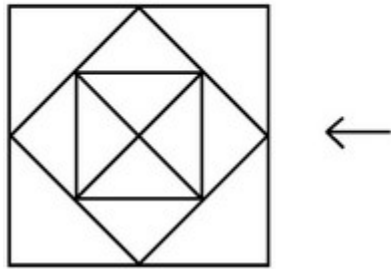
Options :



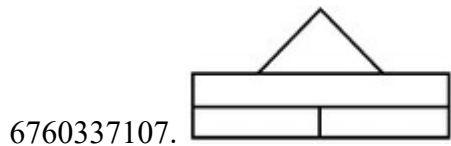
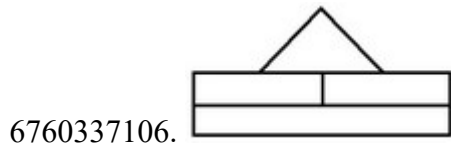
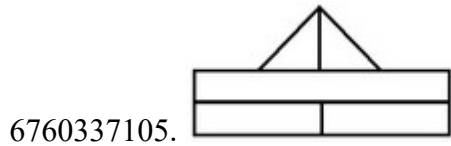


Question Number : 62 Question Id : 6760332321 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

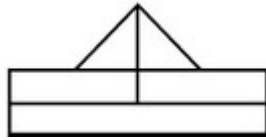
The problem figure shows the top view of an object. Identify the correct elevation looking in the direction of arrow, from the answer figures.



Options :

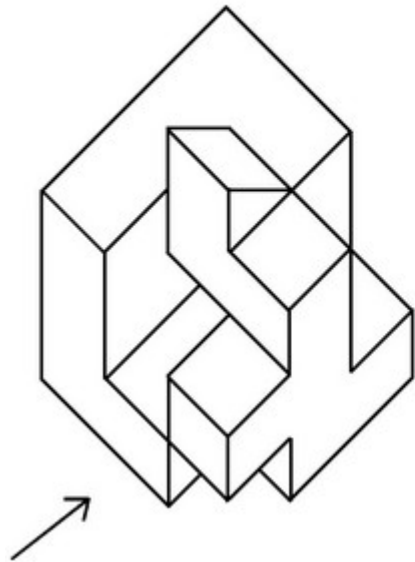


6760337108.

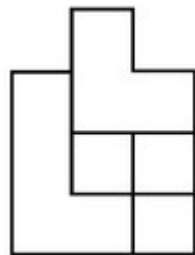


Question Number : 63 Question Id : 6760332322 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

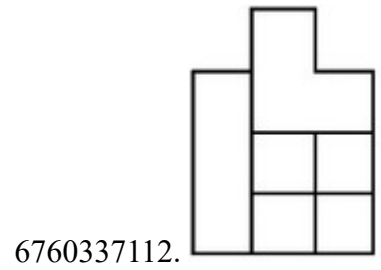
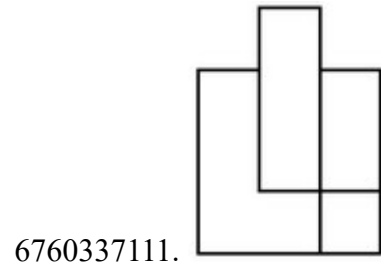
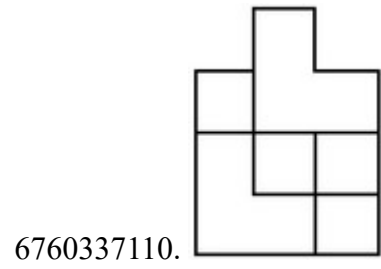
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, from the answer figures.



Options :

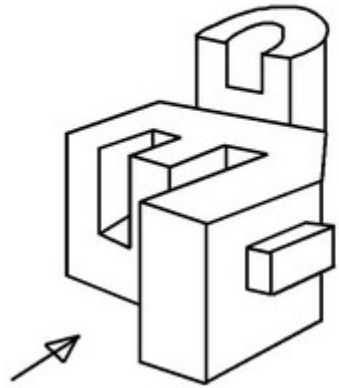


6760337109.

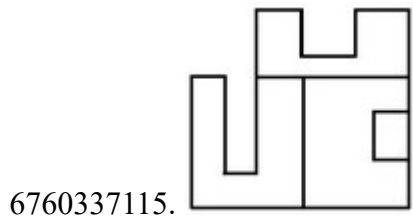
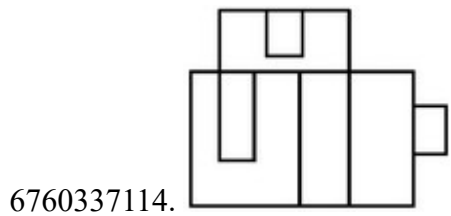
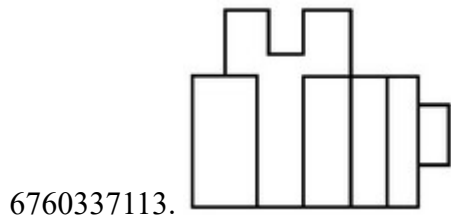


Question Number : 64 Question Id : 6760332323 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

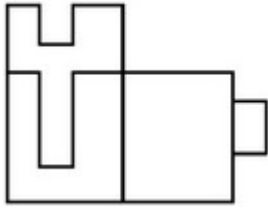
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, from the answer figures.



Options :



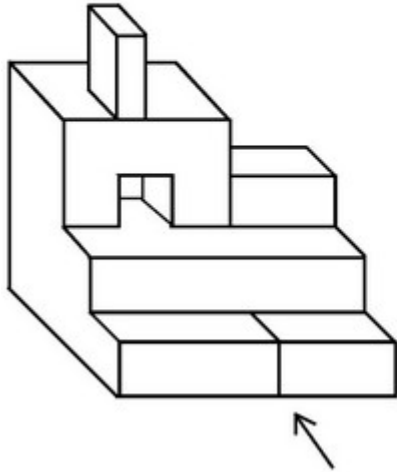
6760337116.



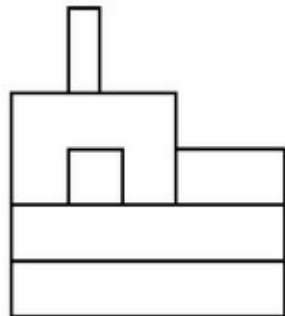
Question Number : 65 Question Id : 6760332324 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

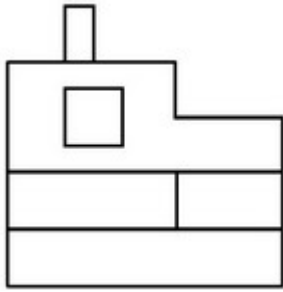
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, from the answer figures.



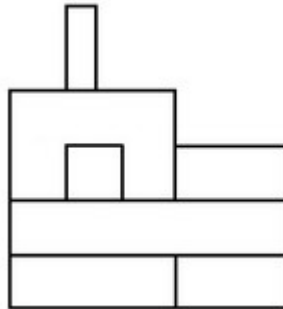
Options :



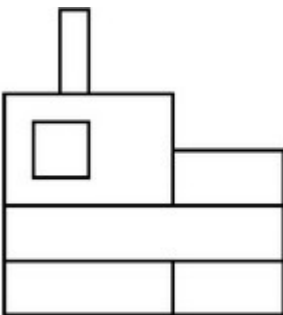
6760337117.



6760337118.



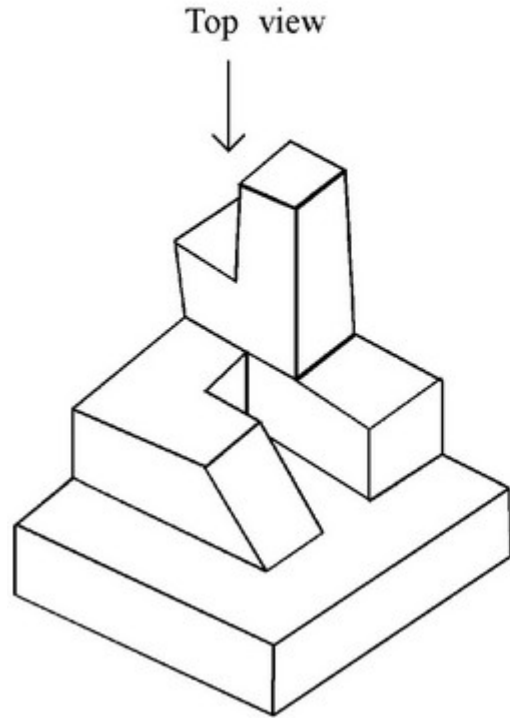
6760337119.



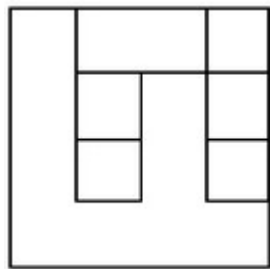
6760337120.

Question Number : 66 Question Id : 6760332325 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

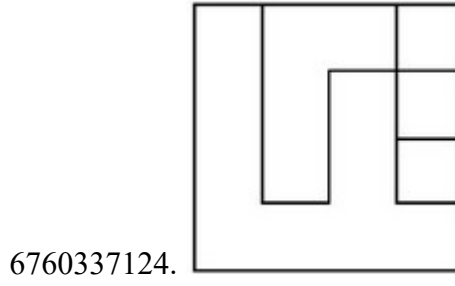
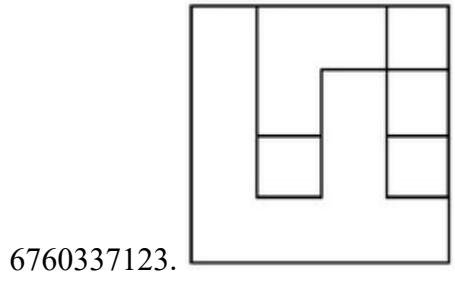
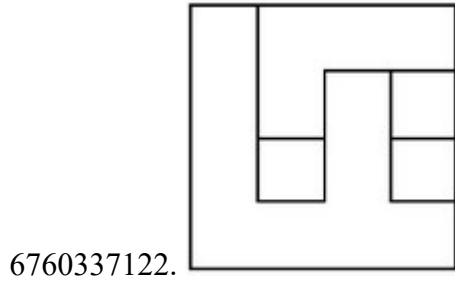
The 3D-figure shows view of an object. Identify the correct top view, from the answer figures.



Options :

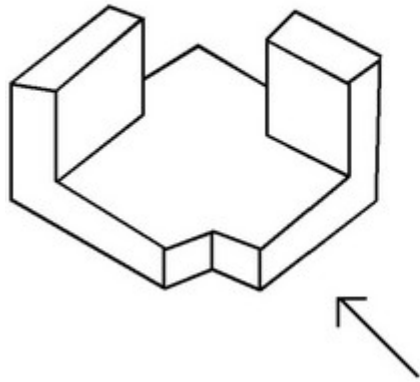


6760337121.

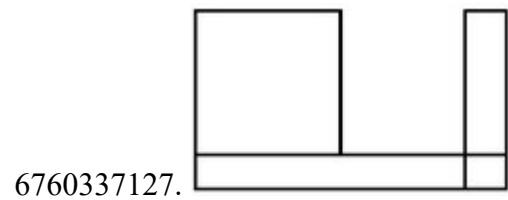
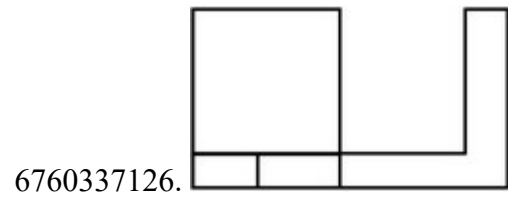
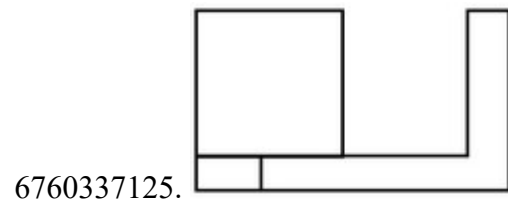


Question Number : 67 Question Id : 6760332326 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

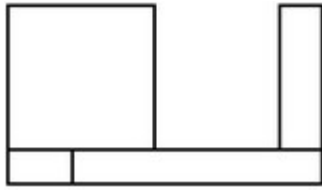
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, from the answer figures



Options :

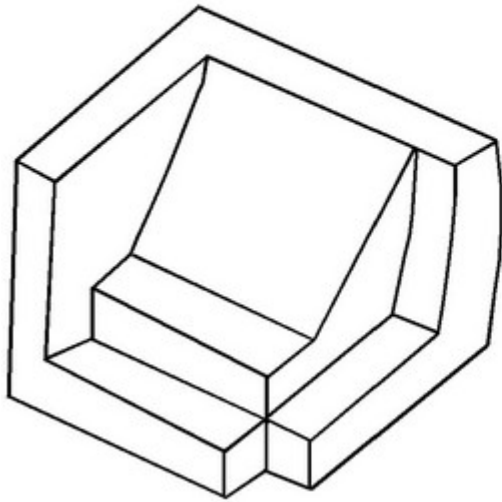


6760337128.

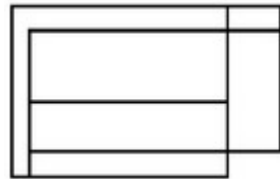


Question Number : 68 Question Id : 6760332327 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

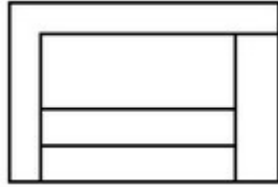
The 3D figure shows the view of an object. Identify the correct top view, from the answer figures.



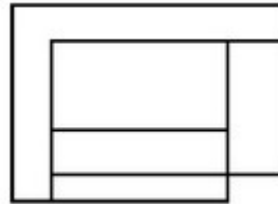
Options :



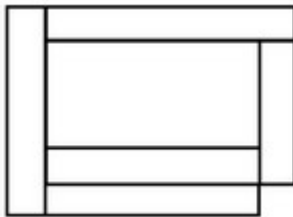
6760337129.



6760337130.



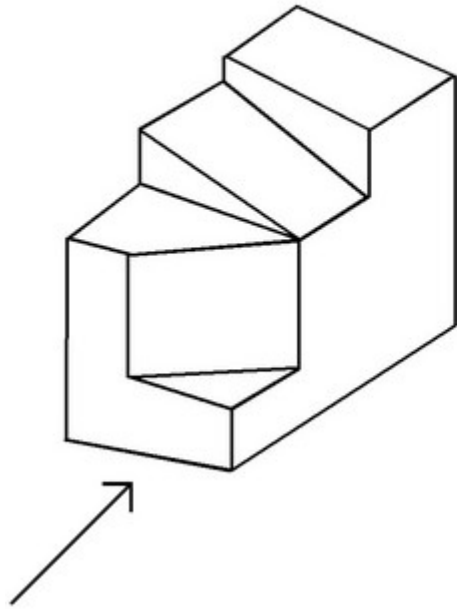
6760337131.



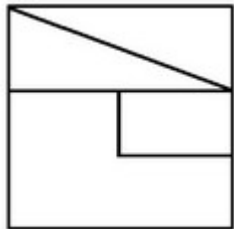
6760337132.

Question Number : 69 Question Id : 6760332328 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

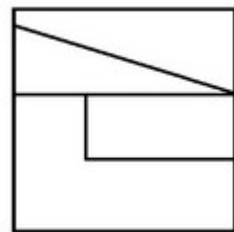
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, from the answer figures.



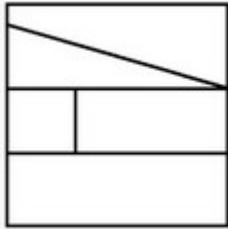
Options :



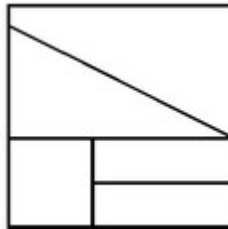
6760337133.



6760337134.



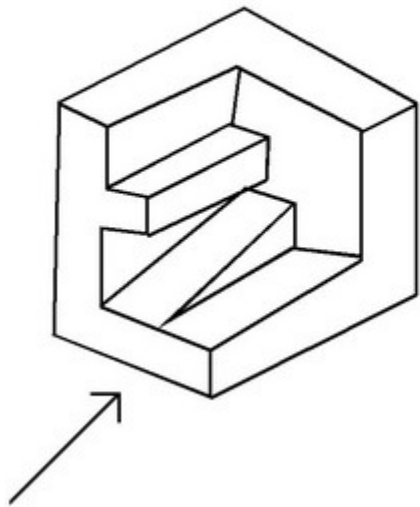
6760337135.



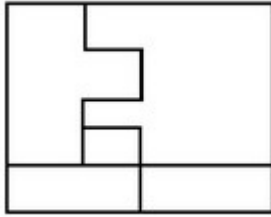
6760337136.

Question Number : 70 Question Id : 6760332329 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

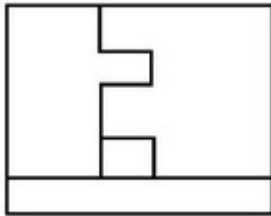
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, from the answer figures.



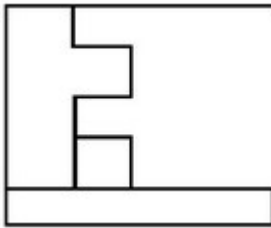
Options :



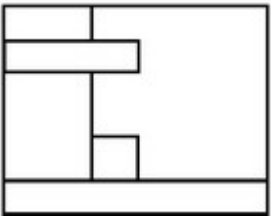
6760337137.



6760337138.



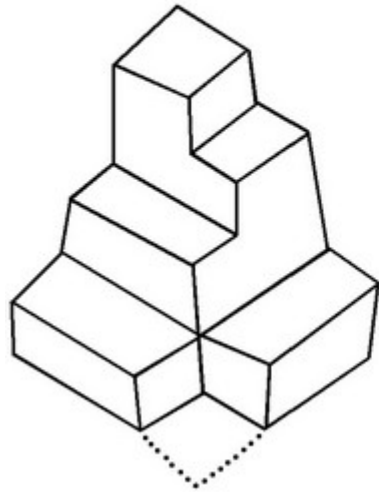
6760337139.



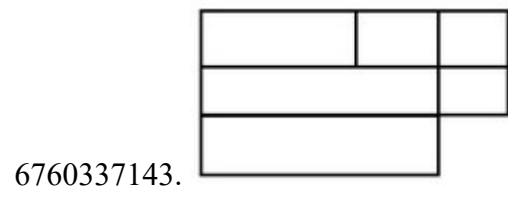
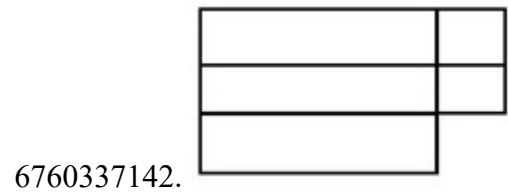
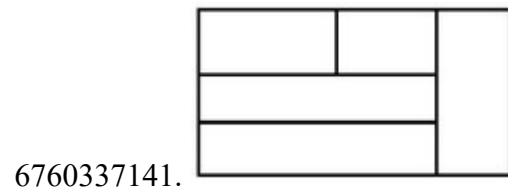
6760337140.

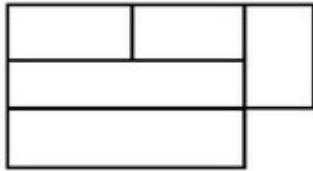
Question Number : 71 Question Id : 6760332330 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

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



Options :



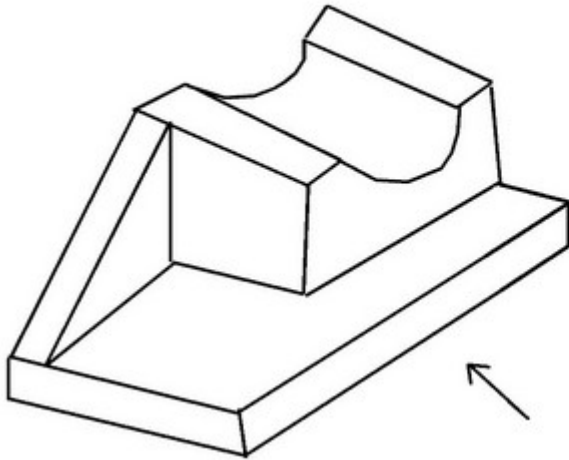


6760337144.

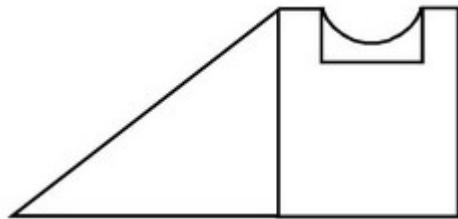
Question Number : 72 Question Id : 6760332331 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

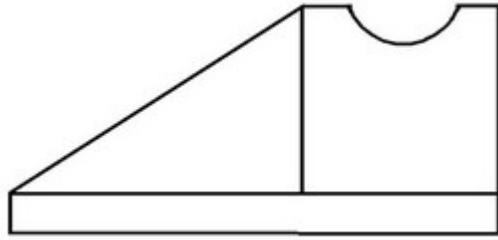


Options :

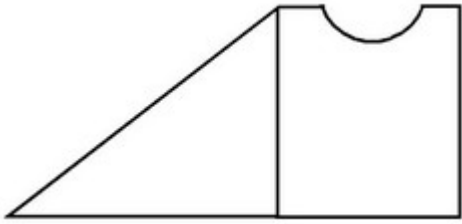


6760337145.

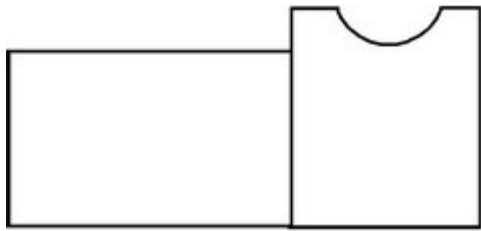
6760337146.



6760337147.

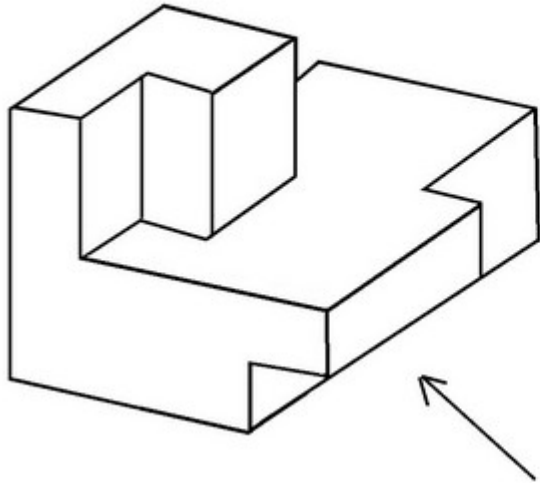


6760337148.

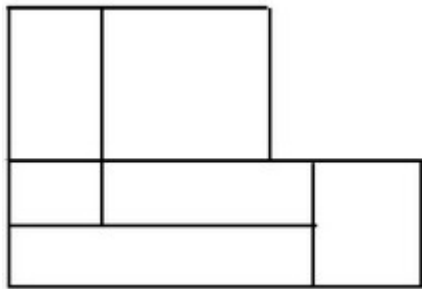


Question Number : 73 Question Id : 6760332332 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

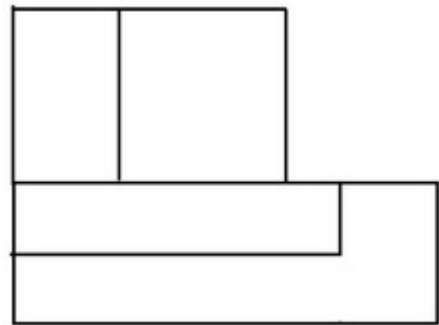
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, from the answer figures.



Options :



6760337149.



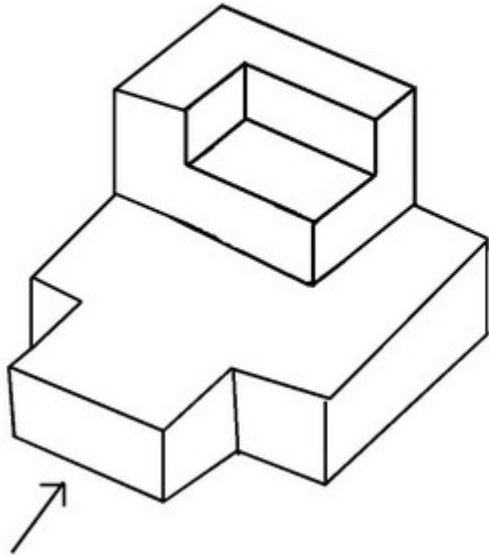
6760337150.

6760337151.

6760337152.

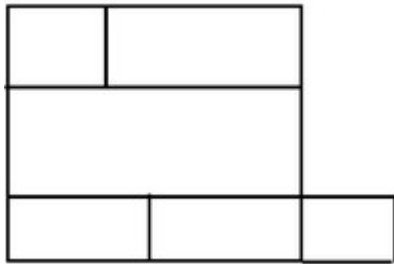
Question Number : 74 Question Id : 6760332333 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

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

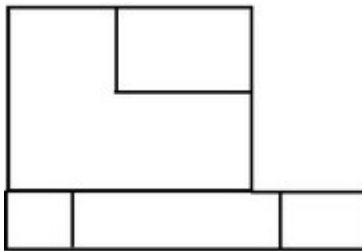


Options :

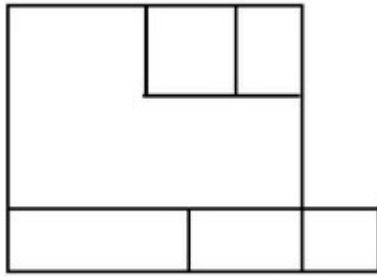
6760337153.



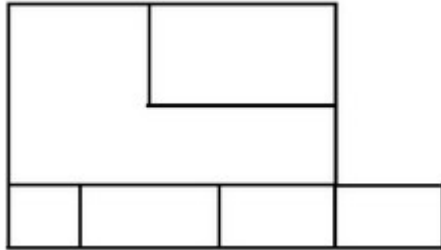
6760337154.



6760337155.

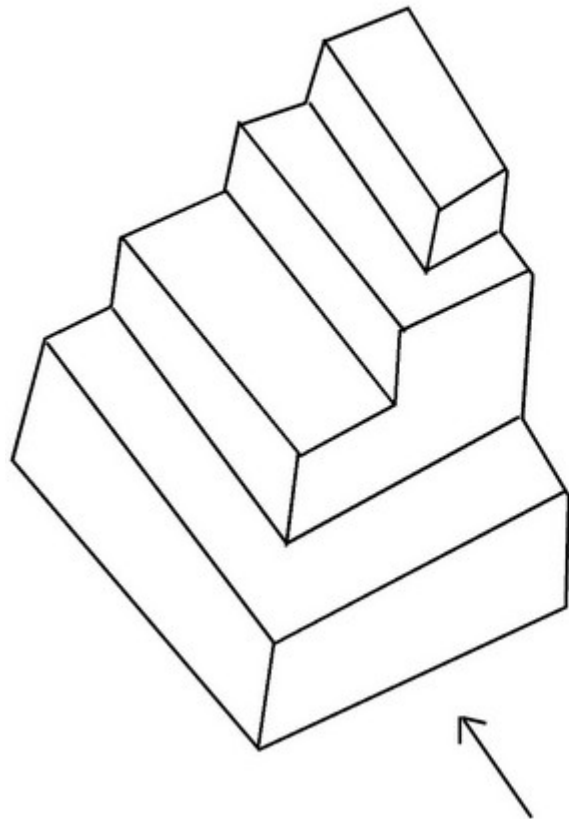


6760337156.

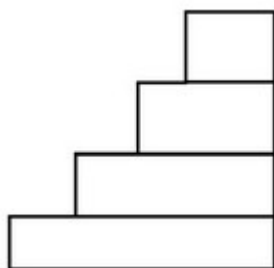


Question Number : 75 Question Id : 6760332334 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

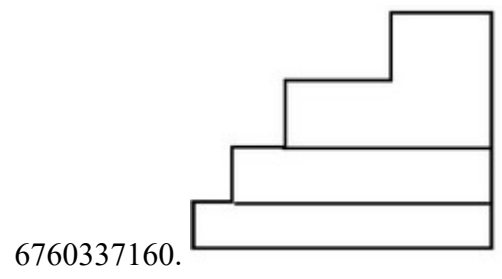
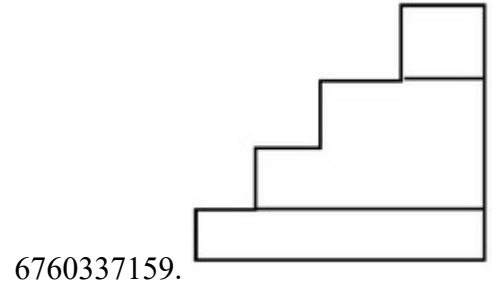
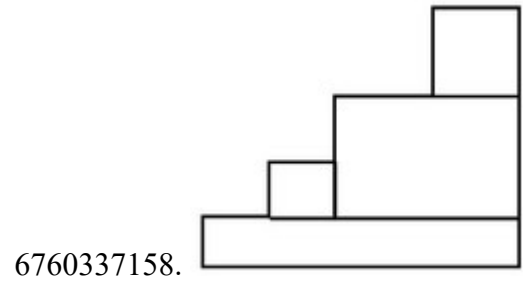
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, from the answer figures.



Options :

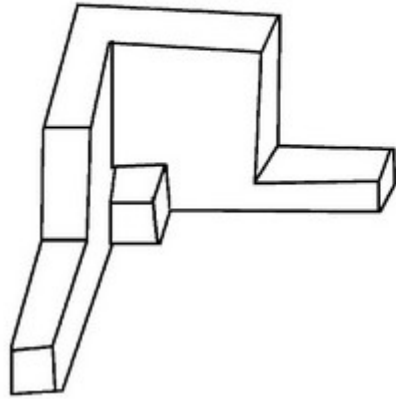


6760337157.

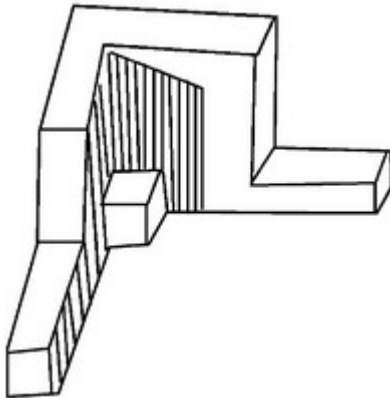


Question Number : 76 Question Id : 6760332335 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

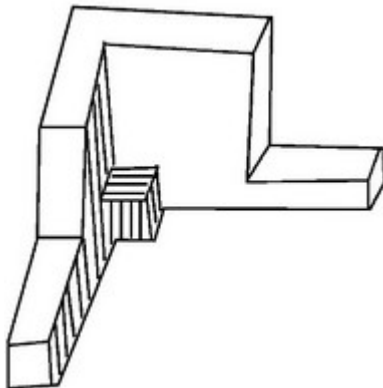
Identify the correct shadow from the following answer figures, assuming the position of the sun as shown.



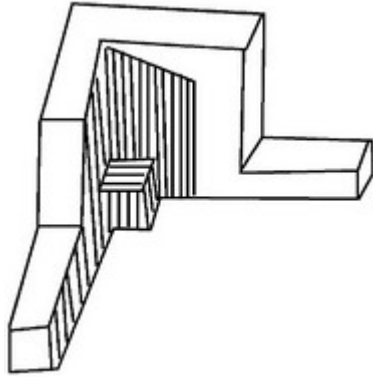
Options :



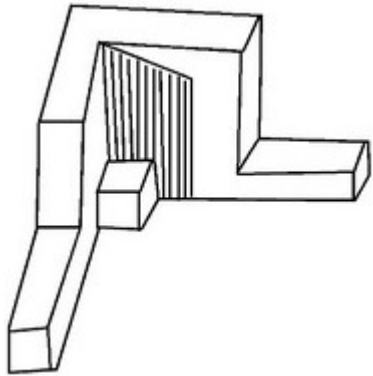
6760337161.



6760337162.



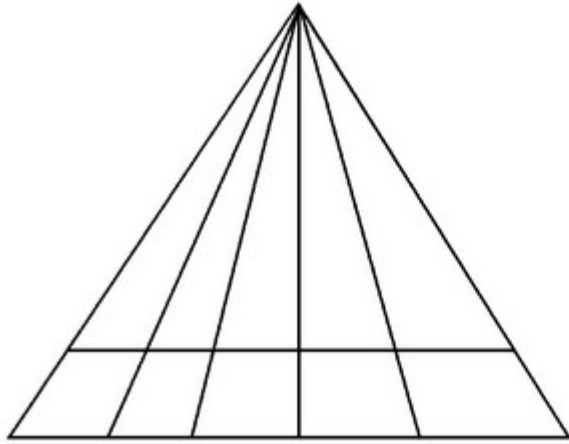
6760337163.



6760337164.

Question Number : 77 Question Id : 6760332336 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

In the following figure, the number of triangles are -



Options :

6760337165. 11

6760337166. 15

6760337167. 30

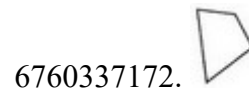
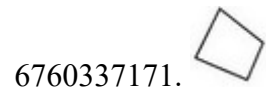
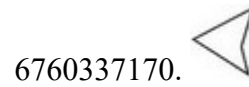
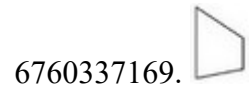
6760337168. 24

Question Number : 78 Question Id : 6760332337 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

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



Options :

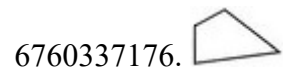
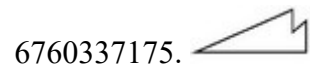
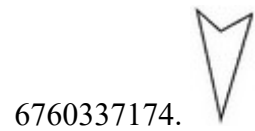
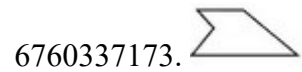


Question Number : 79 Question Id : 6760332338 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

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



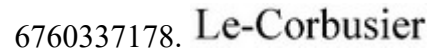
Options :



Question Number : 80 Question Id : 6760332339 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Who designed and planned the modern day city of Bhubaneshwar ?

Options :



6760337179. Doxiadias

6760337180. Otto Koeings Berger

Planning

Section Id :	676033151
Section Number :	4
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	25
Number of Questions to be attempted :	25
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	676033151
Question Shuffling Allowed :	Yes

Question Number : 81 Question Id : 6760332340 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

Match List-I with List-II

List-I	List-II
A Prehistoric	I 600 BC – 1800 AD
B Medieval Period	II 1526 AD – 1800 AD
C Mughal Period	III 1800 AD – 1947 AD
D British Period	IV 2350 BC – 1800 BC

Options :

6760337181. A-I, B-II, C-III, D-IV

6760337182. A-II, B-III, C-I, D-IV

6760337183. A-IV, B-II, C-I, D-III

6760337184. A-IV, B-I, C-II, D-III

Question Number : 82 Question Id : 6760332341 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

According to census of India 2011, the percentage of urban population in India is

Options :

6760337185. 40.2

6760337186. 25.5

6760337187. 31.1

6760337188. 38.5

Question Number : 83 Question Id : 6760332342 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Who is the father of Green Revolution in India.

Choose the correct answer.

Options :

6760337189. Dr. Verghese Kurien

6760337190. Dr. M. S. Swaminathan

6760337191. Dr. Hiralal Chandhari

6760337192. Dr. Arun Krishan

Question Number : 84 Question Id : 6760332343 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Which city in India was declared as world heritage site in 2019 by UNESCO

Options :

6760337193. Ajmer

6760337194. Agra

6760337195. Jaipur

6760337196. Auroville

Question Number : 85 Question Id : 6760332344 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

- (A) India
- (B) Bangladesh
- (C) South Korea
- (D) China
- (E) Singapore

Rank these countries with respect to their GDP (2019) per capita, from higher to lower

Options :

6760337197. E → C → D → A → B

6760337198. E → D → C → A → B

6760337199. C → E → A → D → B

6760337200. E → D → A → C → B

Question Number : 86 Question Id : 6760332345 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Which one of the following International Organisations adopted a resolution on COVID-19 titled 'Global solidarity to fight Corona Virus disease 2019 (COVID-19) ?

Options :

6760337201. United Nations General Assembly

6760337202. UNICEF

6760337203. World Health Organisation (WHO)

6760337204. UNESCO

Question Number : 87 Question Id : 6760332346 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Choose the correct arrangement of Major rivers of India with their basin area in descending order

Options :

6760337205. Krishna, Indus, Godavari, Ganga

6760337206. Ganga, Krishna, Indus, Godavari

6760337207. Ganga, Indus, Godavari, Krishna

6760337208. Indus, Ganga, Godavari, Krishna

**Question Number : 88 Question Id : 6760332347 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1**

In which year the first section of the underground railway in the world was opened ?

Options :

6760337209. 1890

6760337210. 1863

6760337211. 1834

6760337212. 1815

**Question Number : 89 Question Id : 6760332348 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1**

Planning commission was set up in

Options :

6760337213. 1948

6760337214. 1950

6760337215. 1952

6760337216. 1954

Question Number : 90 Question Id : 6760332349 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A typical Self Help Group (SHG) comprises of

Options :

6760337217. 5–10 members

6760337218. 10–25 members

6760337219. 30–50 members

6760337220. 50–100 members

Question Number : 91 Question Id : 6760332350 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statement-I : The services sector in India is the largest contribution to India's GDP.

Statement-II : The services sector in India also employs the largest work force.

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

Options :

6760337221. Both Statement-I and Statement-II are true

6760337222. Both Statement-I and Statement-II are false

6760337223. Statement-I is correct but Statement-II is false

6760337224. Statement-I is incorrect but Statement-II is true

**Question Number : 92 Question Id : 6760332351 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1**

Given below are two statements :

Statement-I : Life expectancy at birth of females is higher than that of males in India

Statement-II : One of the main reasons for this is the better nutritional care provided to female child in India

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

Options :

6760337225. Both Statement-I and Statement-II are correct

6760337226. Both Statement-I and Statement-II are incorrect

6760337227. Statement-I is correct but Statement-II is incorrect

6760337228. Statement-I is incorrect but Statement-II is correct

Question Number : 93 Question Id : 6760332352 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of these dimension is considered in the computation of Human Development Index ?

Options :

6760337229. health indicators

6760337230. human resource indicators

6760337231. human rights indicators

6760337232. access to shelter

Question Number : 94 Question Id : 6760332353 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which one of the following is the main cause of land degradation in Punjab ?

Options :

6760337233. Crop residue burning

6760337234. Intensive cultivation

6760337235. Over grazing

6760337236. Over-irrigation

Question Number : 95 Question Id : 6760332354 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The percentage of urban poor for a city having 27 wards is given in the table below

Percentage of Urban Poor	No. of wards
15-25	6
25-35	10
35-45	7
45-55	4

The mean percentage of urban poor living in the city is :

Options :

6760337237. 27

6760337238. 33.3

6760337239. 35

6760337240. 35.5

Question Number : 96 Question Id : 6760332355 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

A city has 4 wards. The area and the population of each ward is given in the table below :

Ward No.	Area (in Hectares)	Population
1	200	30,000
2	100	15,000
3	150	25,000
4	200	10,000

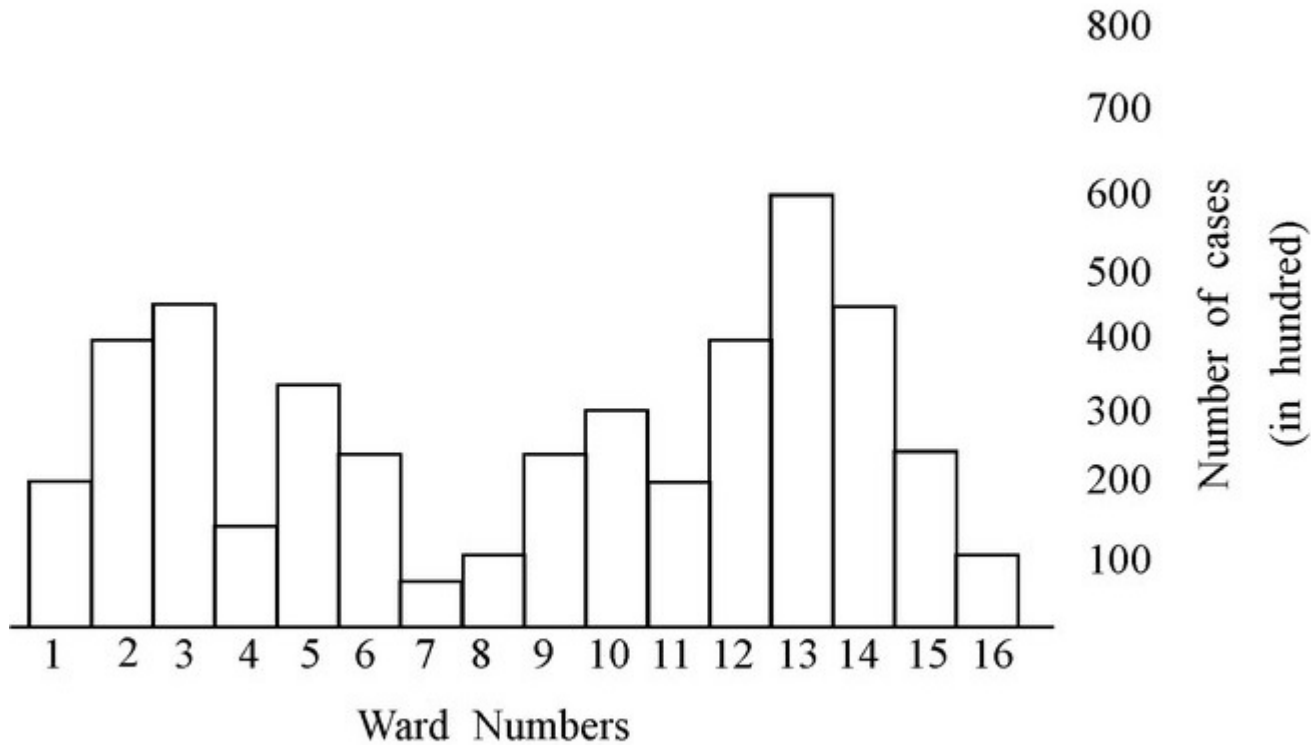
Which of the following holds true for the above table ?

Options :

6760337241. Ward 1 has the highest population density
6760337242. Ward 1 and Ward 2 have the same population density
6760337243. The population density of ward 4 is thrice that of ward 3.
6760337244. Ward 2 has the lowest population density

Question Number : 97 Question Id : 6760332356 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

The following bar graph shows the number of COVID cases in sixteen different wards of a city



Select the INCORRECT statement

Options :

6760337245. Six wards have covid cases ≤ 200 and five wards have ≥ 400 cases

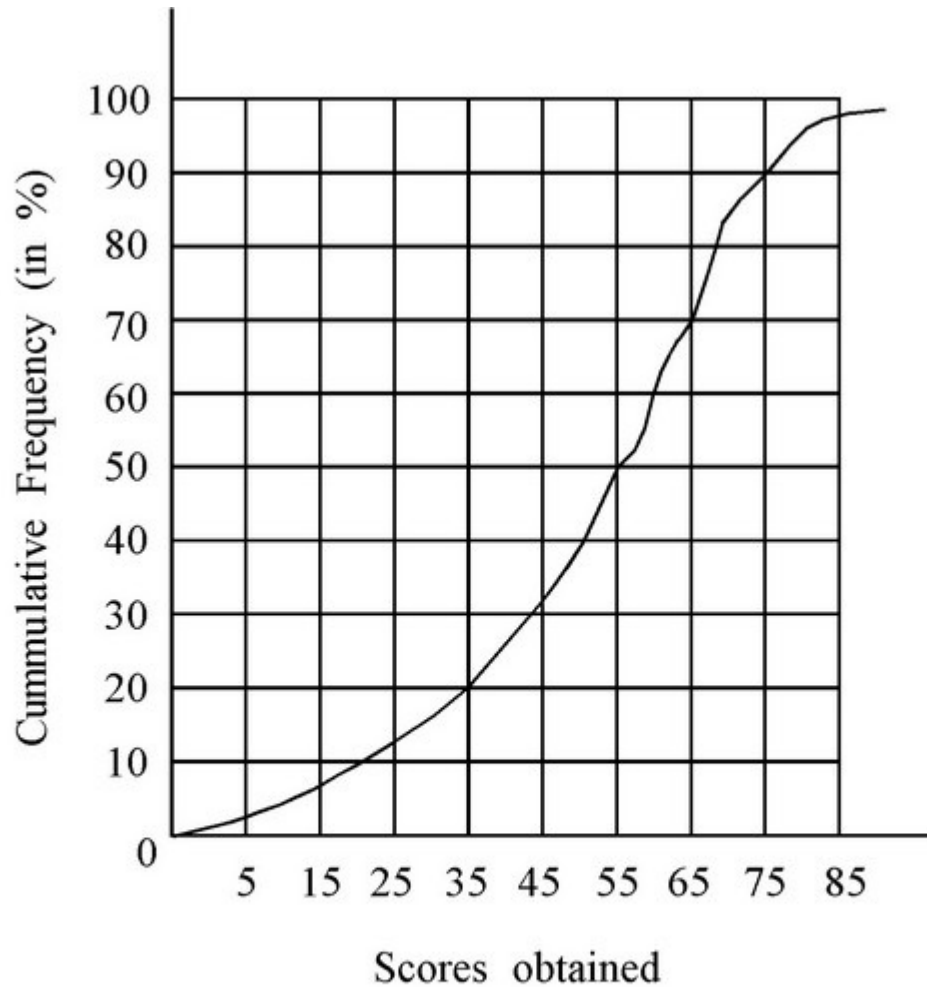
6760337246. Two wards have more than 400 cases and one ward has less than hundred cases

6760337247. Seven wards have more than or equal to three hundred cases and ten wards have less than or equal to three hundred cases

Five wards have more than or equal to four hundred cases and three wards have less than hundred or equal to hundred cases.

6760337248.

Question Number : 98 Question Id : 6760332357 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

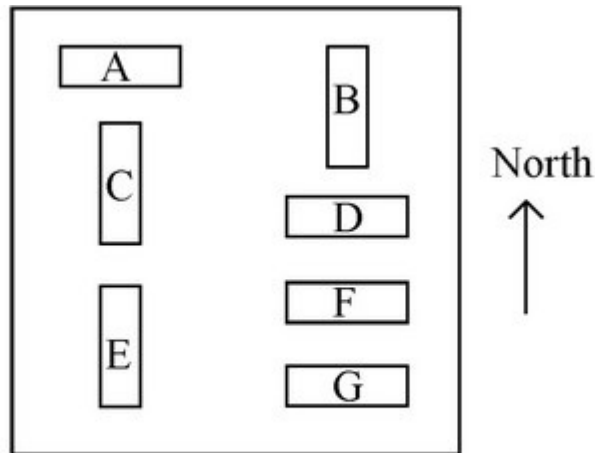


The graph represents scores obtained by students in a class. Identify the correct statement related to the above graph

Options :

6760337249. 90% of the students scored 75.
6760337250. more than 90% of the students scored 75.
6760337251. 90% of the students scored 75 or below.
6760337252. 90% of the students scored more than 75.

Question Number : 99 Question Id : 6760332358 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1



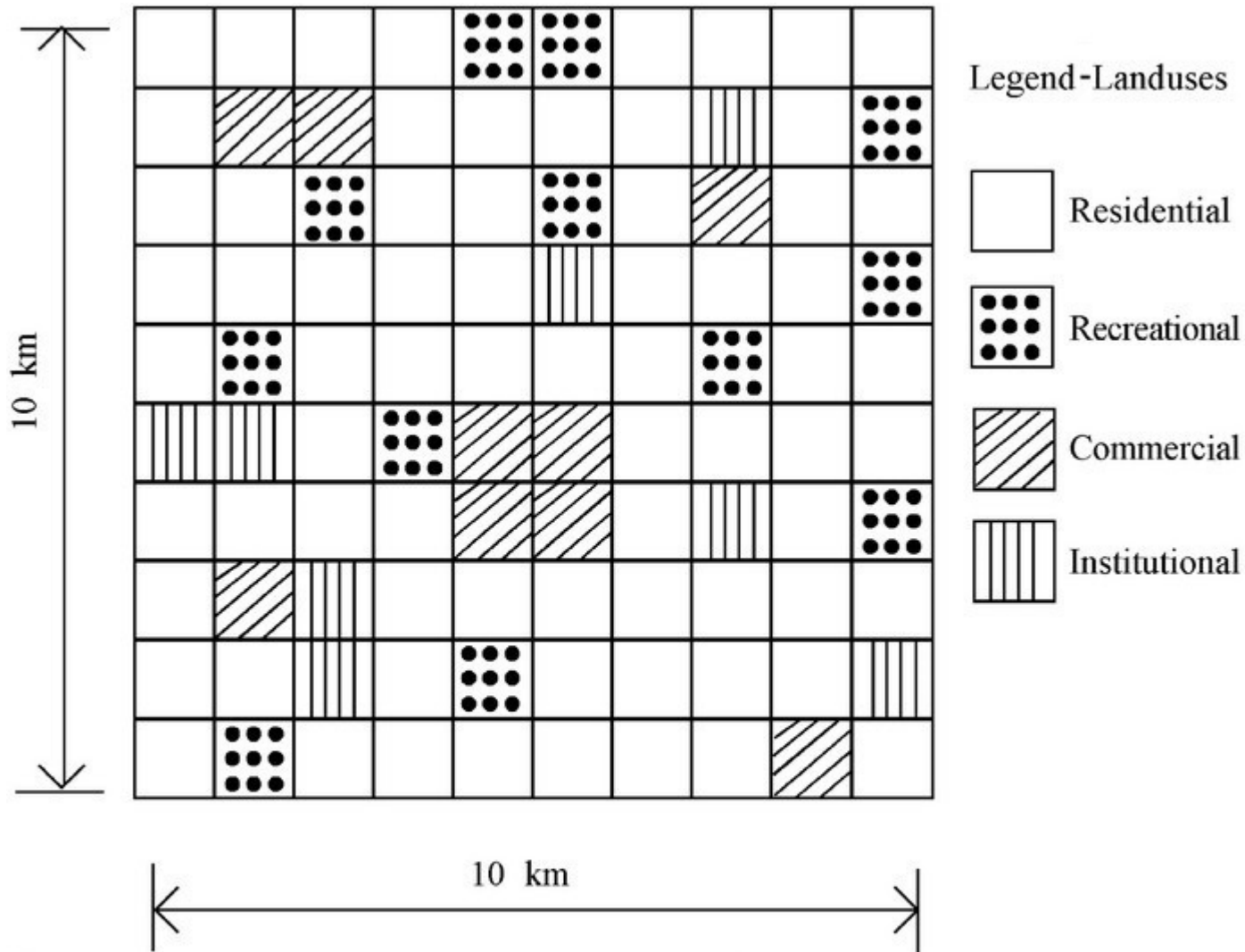
Choose the correct statement with reference to the layout shown above

Options :

6760337253. Block B is north of block G and block E is east of block F.
6760337254. Block G is south of block B and block C is west of block D.
6760337255. Block D is west of block C and block F is south of block D.

6760337256. Block D is west of block E and block G is south of block F.

**Question Number : 100 Question Id : 6760332359 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1**



The diagram above represents the various land-uses in a city. All the grids are square in shape and equal in size. The share of “recreational” land use in the city is :

Options :

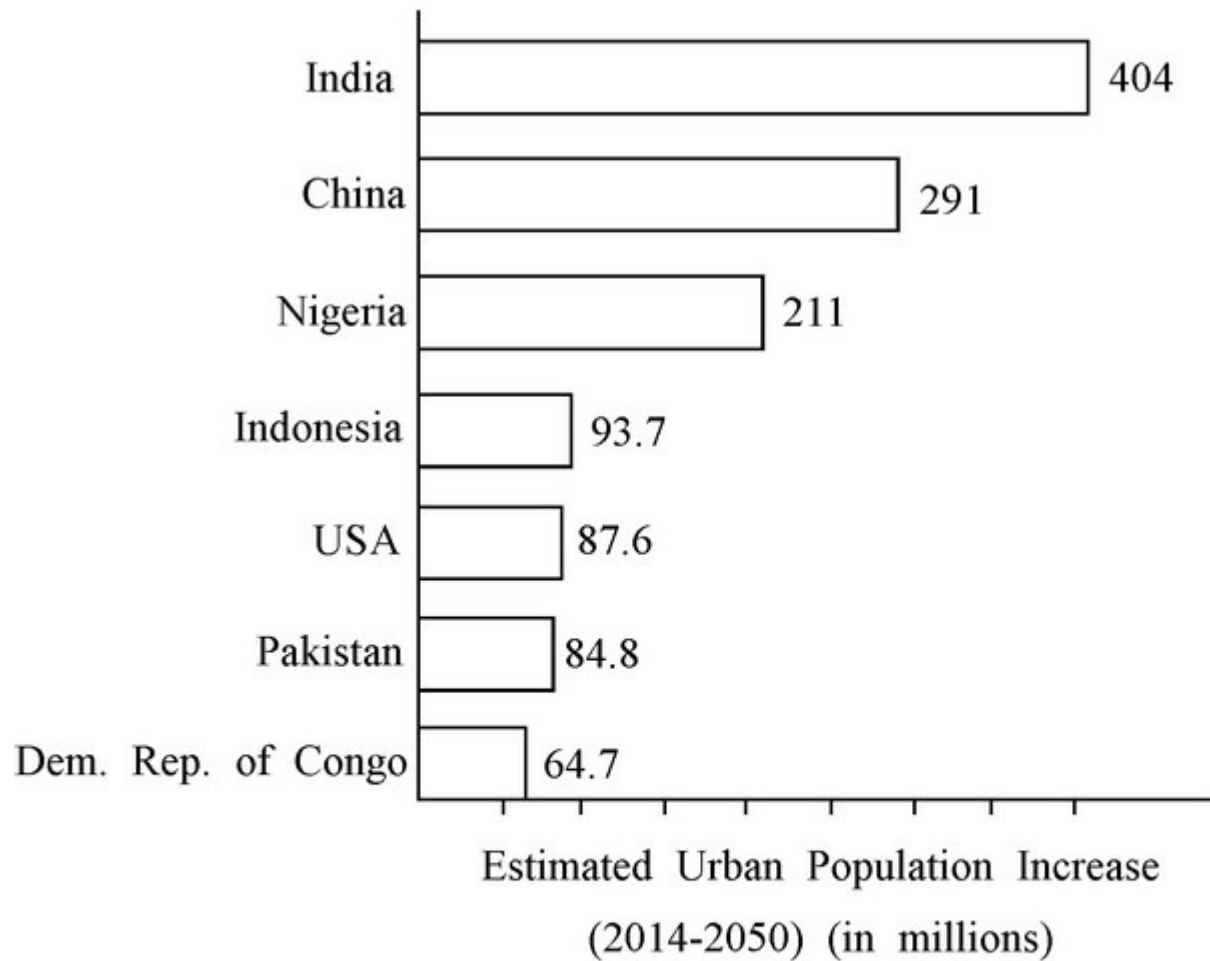
6760337257. 10%

6760337258. 10 km

6760337259. 12%

6760337260. 12 km

**Question Number : 101 Question Id : 6760332360 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1**



The global population increase between 2014 and 2050 is forecasted to be 2.5 billion. The above graph represents countries contributing the most to urban population growth during this period. From the above graph it can be concluded that by 2050 :

Options :

6760337261. The total number of people living in Indian cities will be 404 million.

6760337262. India will have the highest urban population in the world.

6760337263. The percentage share of people living in the urban areas of India with respect to the globe will be approximately 16%

6760337264. The number of additional urban population in India will be 404 million

Question Number : 102 Question Id : 6760332361 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Cities are home to nearly half of the world's population, and over the next 30 years, most of the two-billion person increase in global population is expected to occur in cities and towns in poor countries. In many countries, in the developing world, at least one in four urban residents is already estimated to be living in absolute poverty, and the manifestations of urban poverty are clearly visible : overcrowded neighbourhoods, high rates of crime, inadequate housing, and insufficient access to clean water, adequate sanitation and other social services. Effective governance will be required to manage urban transformation. If current level of service delivery is any indication, huge capital investments are likely to be required in small cities and towns in the developing world over the next 30 years.

As per the above passage, the urban poor in many countries in the developing world constitute :

Options :

6760337265. four percent of the urban population

6760337266. one-fourth of the country's population

6760337267. twenty-five percent of the urban population

6760337268. half of the world's population

Question Number : 103 Question Id : 6760332362 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1

Cities are home to nearly half of the world's population, and over the next 30 years, most of the two-billion person increase in global population is expected to occur in cities and towns in poor countries. In many countries, in the developing world, at least one in four urban residents is already estimated to be living in absolute poverty, and the manifestations of urban poverty are clearly visible : overcrowded neighbourhoods, high rates of crime, inadequate housing, and insufficient access to clean water, adequate sanitation and other social services. Effective governance will be required to manage urban transformation. If current level of service delivery is any indication, huge capital investments are likely to be required in small cities and towns in the developing world over the next 30 years

As per the author, some of the characteristics present in parts of urban areas, that are reflexive of urban poverty are :

Options :

6760337269. poor urban governance

6760337270. less infrastructure investment

6760337271. urban transformation

6760337272. high rates of crimes and inadequate housing

Question Number : 104 Question Id : 6760332363 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Assertion A : The government intends to encourage inter-disciplinary research. However, only 10% of the total inter-disciplinary projects received funding last year.

Reason R : Funding is still allocated according to the old categories and there are very little funds for research in overlapping difficult subjects.

In the light of the above statement, choose the most appropriate answer from the options given below

Options :

6760337273. Both A and R are correct and R is the correct explanation of A

6760337274. Both A and R are correct but R is not the correct explanation of A

6760337275. A is correct but R is not correct

6760337276. A is not correct but R is correct

Question Number : 105 Question Id : 6760332364 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

(A) Sometimes struggle against injustice can take path of violence

(B) People who feel marginalised have to fight for justice

(C) This can be done through democratic path in a constitutional manner

(D) However, democracy still remains the best way to fight for recognition and accommodate diversity

Arrange the above in the correct logical sequence

Options :

6760337277. $A \rightarrow B \rightarrow C \rightarrow D$

6760337278. $B \rightarrow C \rightarrow A \rightarrow D$

6760337279. $D \rightarrow B \rightarrow C \rightarrow A$

6760337280. $B \rightarrow A \rightarrow C \rightarrow D$