

# National Testing Agency

<b>Question Paper Name :</b>	B PLANNING E 1st Sep 2020 Shift 2
<b>Subject Name :</b>	B PLANNING E
<b>Creation Date :</b>	2020-09-01 22:08:49
<b>Duration :</b>	180
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<b>Display Marks:</b>	Yes
<b>Share Answer Key With Delivery Engine :</b>	Yes
<b>Actual Answer Key :</b>	Yes

## **B PLANNING**

<b>Group Number :</b>	1
<b>Group Id :</b>	40503699
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	400
<b>Is this Group for Examiner? :</b>	No

## **Mathematics**

<b>Section Id :</b>	405036335
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	25

Number of Questions to be attempted :	25
Section Marks :	100
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	405036669
Question Shuffling Allowed :	Yes

**Question Number : 1 Question Id : 4050369305 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Let  $A = \{1, 2, 3\}$ . Define a relation  $R$  on  $A$  as :

$$aRb \Leftrightarrow |a^2 - b^2| \leq 5.$$

Then which of the following is not true ?

**Options :**

40503633806.  $R^{-1} = R$ , where  $R^{-1}$  is the inverse of  $R$ .

40503633807. Range of  $R$  is  $A$ .

40503633808.  $R$  is reflexive and symmetric.

40503633809.  $R$  is symmetric and transitive.

**Question Number : 1 Question Id : 4050369305 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

माना  $A = \{1, 2, 3\}$  है।  $A$  पर एक सम्बन्ध  $R$  निम्न द्वारा परिभाषित है :

$$aRb \Leftrightarrow |a^2 - b^2| \leq 5$$

तो निम्न में से कौन सा सत्य नहीं है?

**Options :**

40503633806.  $R^{-1} = R$ , जहाँ  $R^{-1}$ ,  $R$  का प्रतिलोम (inverse) है।

40503633807.  $R$  का परिसर  $A$  है।

40503633808.  $R$  स्वतुल्य तथा सममित है।

40503633809.  $R$  सममित तथा संक्रामक है।

**Question Number : 2 Question Id : 4050369306 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The locus of the point

$z = x + iy$  ( $x, y \in \mathbf{R}, i = \sqrt{-1}$ ) satisfying

$$\arg \left( \frac{z-3}{z+3} \right) = \frac{\pi}{3}, \text{ is:}$$

**Options :**

40503633810. a circle with radius  $= 2\sqrt{3}$

40503633811. a circle with centre at  $(\sqrt{3}, 0)$

40503633812. a circle with centre at  $(0, 2\sqrt{3})$  and radius 3

40503633813. an ellipse with length of its minor axis = 3

**Question Number : 2 Question Id : 4050369306 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

बिन्दु  $z = x + iy$  ( $x, y \in \mathbf{R}, i = \sqrt{-1}$ ), जो

$\arg\left(\frac{z-3}{z+3}\right) = \frac{\pi}{3}$  को संतुष्ट करता है, का बिन्दु

पथ है :

**Options :**

40503633810. एक वृत्त जिसकी त्रिज्या  $2\sqrt{3}$  है।

40503633811. एक वृत्त जिसका केन्द्र  $(\sqrt{3}, 0)$  है।

40503633812. एक वृत्त जिसका केन्द्र  $(0, 2\sqrt{3})$  तथा त्रिज्या 3 है।

40503633813. एक दीर्घवृत्त जिसके लघु अक्ष की लम्बाई 3 है।

**Question Number : 3 Question Id : 4050369307 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

If both the roots of the equation,  
 $x^2 - 2ax + a^2 - 1 = 0$  ( $a \in \mathbf{R}$ ) lie in the interval  
 $(-2, 2)$ , then the equation,  
 $x^2 - (a^2 + 1)x - (a^2 + 2) = 0$  has

**Options :**

40503633814. both roots in  $(-3, 0)$

40503633815. one root in  $(0, 2)$  and another root in  
 $(-2, 0)$

40503633816. one root in  $[2, 3)$  and another root in  
 $(-2, 0)$

40503633817. one root in  $(-3, -2)$  and another root  
in  $(0, 2]$

**Question Number : 3 Question Id : 4050369307 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

यदि समीकरण,  $x^2 - 2ax + a^2 - 1 = 0$  ( $a \in \mathbf{R}$ ) के  
दोनों मूल, अन्तराल  $(-2, 2)$  में हैं, तो समीकरण,  
 $x^2 - (a^2 + 1)x - (a^2 + 2) = 0$  :

**Options :**

40503633814. के दोनों मूल  $(-3, 0)$  में हैं।

का एक मूल  $(0, 2)$  में तथा दूसरा मूल  $(-2, 0)$  में है।  
40503633815.

का एक मूल  $[2, 3)$  में तथा दूसरा मूल  $(-2, 0)$  में है।  
40503633816.

का एक मूल  $(-3, -2)$  में तथा दूसरा मूल  $(0, 2]$  में है।  
40503633817.

**Question Number : 4 Question Id : 4050369308 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

If the system of equations

$$2x + y + pz = -1$$

$$3x - 2y + z = q$$

$$5x - 8y + 9z = 5$$

has more than one solution, then  $q - p$  is equal to :

**Options :**

40503633818. 2

40503633819. -2

40503633820. 4

40503633821. -4

**Question Number : 4 Question Id : 4050369308 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

यदि समीकरण निकाय

$$2x + y + pz = -1$$

$$3x - 2y + z = q$$

$$5x - 8y + 9z = 5$$

के एक से अधिक हल हैं, तो  $q - p$  बराबर है :

**Options :**

40503633818. 2

40503633819. -2

40503633820. 4

40503633821. -4

**Question Number : 5 Question Id : 4050369309 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

All the words (with or without meaning) formed using all the five letters of the word GOING are arranged as in dictionary. Then the word OGGIN occurs at the place which is :

**Options :**

40503633822. (48)<sup>th</sup>

40503633823. (49)<sup>th</sup>

40503633824. (50)<sup>th</sup>

40503633825. (51)<sup>th</sup>

**Question Number : 5 Question Id : 4050369309 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

शब्द GOING के सभी 5 अक्षरों का प्रयोग करते हुए बनाए गए सभी शब्द ( चाहे वे अर्थहीन हों या अर्थ वाले हों), शब्दकोश के अनुसार व्यवस्थित किए गए हैं, तो शब्द OGGIN निम्न में से किस स्थान पर आएगा ?

**Options :**

40503633822. (48) वां

40503633823. (49) वां

40503633824. (50) वां

40503633825. (51) वां

**Question Number : 6 Question Id : 4050369310 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**



Correct Marks : 4 Wrong Marks : 1

The sum

$$-\frac{2}{3} + \frac{2}{9^2} + \frac{10}{9^3} + \frac{18}{9^4} + \frac{26}{9^5} + \dots \text{upto}$$

infinity, is equal to :

Options :

40503633826.  $-\frac{5}{8}$

40503633827.  $\frac{17}{24}$

40503633828.  $-\frac{11}{24}$

40503633829.  $\frac{5}{8}$

Question Number : 6 Question Id : 4050369310 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

योगफल

$$-\frac{2}{3} + \frac{2}{9^2} + \frac{10}{9^3} + \frac{18}{9^4} + \frac{26}{9^5} + \dots \infty$$

बराबर है :

Options :

40503633826.  $-\frac{5}{8}$

40503633827.  $\frac{17}{24}$

40503633828.  $-\frac{11}{24}$

40503633829.  $\frac{5}{8}$

**Question Number : 7 Question Id : 4050369311 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Let  $r$  and  $s$  be respectively the remainders when  $(12)^{23}$  and  $(23)^{12}$  are divided by 5, then  $r + s$  is equal to :

**Options :**

40503633830. 5

40503633831. 4

40503633832. 3

40503633833. 2

Question Number : 7 Question Id : 4050369311 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

जब  $(12)^{23}$  तथा  $(23)^{12}$  को 5 से विभाजित किया जाता है तो क्रमशः शेषफल  $r$  तथा  $s$  हैं, तो  $r+s$  बराबर है :

Options :

40503633830. 5

40503633831. 4

40503633832. 3

40503633833. 2

Question Number : 8 Question Id : 4050369312 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Let  $f$  be a differentiable function satisfying

$f(x+y) = f(x) + f(y) - xy$  for all  $x, y \in \mathbb{R}$ . If

$\lim_{h \rightarrow 0} \frac{f(h)}{h} = 3$ , then  $\sum_{n=1}^{10} f(n)$  is equal to :

Options :

40503633834.  $-\frac{55}{2}$

40503633835.  $\frac{275}{2}$

40503633836.  $-\frac{55}{4}$

40503633837.  $\frac{225}{4}$

**Question Number : 8 Question Id : 4050369312 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

माना  $f$  एक अवकलनीय फलन है जो प्रत्येक  $x, y \in \mathbb{R}$  के लिए,  $f(x+y) = f(x) + f(y) - xy$  को संतुष्ट करता

है। यदि  $\lim_{h \rightarrow 0} \frac{f(h)}{h} = 3$  है, तो  $\sum_{n=1}^{10} f(n)$  बराबर

है :

**Options :**

40503633834.  $-\frac{55}{2}$

40503633835.  $\frac{275}{2}$

40503633836.  $-\frac{55}{4}$

40503633837.  $\frac{225}{4}$

Question Number : 9 Question Id : 4050369313 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For non-zero real numbers a, b, if

$$y(x) = \frac{a + bx^{3/2}}{x^{5/4}}, x > 0 \text{ and } y''(5) = 0, \text{ then}$$

the ratio a : b is :

Options :

40503633838.  $\sqrt{5} : 3$

40503633839.  $3 : \sqrt{5}$

40503633840.  $\sqrt{5} : \sqrt{3}$

40503633841.  $3 : 1$

Question Number : 9 Question Id : 4050369313 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

शून्येतर वास्तविक संख्याओं a तथा b के लिए यदि

$$y(x) = \frac{a + bx^{3/2}}{x^{5/4}}, x > 0 \text{ तथा } y''(5) = 0 \text{ हैं, तो}$$

अनुपात a : b बराबर है :

Options :

40503633838.  $\sqrt{5} : 3$

40503633839.  $3 : \sqrt{5}$

40503633840.  $\sqrt{5} : \sqrt{3}$

40503633841.  $3 : 1$

**Question Number : 10 Question Id : 4050369314 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The function  $f(x) = \sin 2x + 2\cos x$ ,

$x \in \left(-\frac{3\pi}{4}, \frac{3\pi}{4}\right)$  has :

**Options :**

40503633842. no critical point.

40503633843. a point of local maxima and a point of local minima.

40503633844. a point of local maxima and a point of inflection.

40503633845. a point of local minima and a point of inflection.

Question Number : 10 Question Id : 4050369314 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

$$\text{फलन } f(x) = \sin 2x + 2\cos x, \quad x \in \left(-\frac{3\pi}{4}, \frac{3\pi}{4}\right)$$

का :

Options :

40503633842. कोई क्रान्तिक बिन्दु नहीं है।

40503633843. एक बिन्दु स्थानीय उच्चिष्ठ है तथा एक बिन्दु स्थानीय निम्निष्ठ है।

40503633844. एक बिन्दु स्थानीय उच्चिष्ठ है तथा एक नतिपरिवर्तन बिन्दु है।

40503633845. एक बिन्दु स्थानीय निम्निष्ठ है तथा एक नतिपरिवर्तन बिन्दु है।

Question Number : 11 Question Id : 4050369315 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

$$\text{The integral } \int \frac{\cos^5 \theta}{\sin \theta (4 - 3 \sin^2 2\theta)} d\theta \text{ is}$$

equal to :

(where C is a constant of integration)

Options :

40503633846.  $\frac{1}{5} \log_e \left| \frac{\cos^5 \theta}{\sin^5 \theta + \cos^5 \theta} \right| + C$

40503633847.  $\frac{1}{24} \log_e \left( \frac{\sin^6 \theta}{\sin^6 \theta + \cos^6 \theta} \right) + C$

40503633848.  $\frac{1}{20} \log_e \left| \frac{\sin^5 \theta}{\sin^5 \theta + \cos^5 \theta} \right| + C$

40503633849.  $\frac{1}{6} \log_e \left( \frac{\cos^6 \theta}{\sin^6 \theta + \cos^6 \theta} \right) + C$

**Question Number : 11 Question Id : 4050369315 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

समाकल  $\int \frac{\cos^5 \theta}{\sin \theta (4 - 3 \sin^2 2\theta)} d\theta$  बराबर है :

(जहाँ C एक समाकलन अचर है।)

**Options :**

40503633846.  $\frac{1}{5} \log_e \left| \frac{\cos^5 \theta}{\sin^5 \theta + \cos^5 \theta} \right| + C$

40503633847.  $\frac{1}{24} \log_e \left( \frac{\sin^6 \theta}{\sin^6 \theta + \cos^6 \theta} \right) + C$



40503633848.  $\frac{1}{20} \log_e \left| \frac{\sin^5 \theta}{\sin^5 \theta + \cos^5 \theta} \right| + C$

40503633849.  $\frac{1}{6} \log_e \left( \frac{\cos^6 \theta}{\sin^6 \theta + \cos^6 \theta} \right) + C$

**Question Number : 12 Question Id : 4050369316 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The area (in sq. units) of the region bounded by the parabola  $x = 2y^2$  and the line  $x + y = 1$  is :

**Options :**

40503633850.  $\frac{11}{12}$

40503633851.  $\frac{13}{24}$

40503633852.  $\frac{9}{8}$

40503633853.  $\frac{5}{4}$

Question Number : 12 Question Id : 4050369316 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

परवलय,  $x = 2y^2$  तथा रेखा,  $x + y = 1$  द्वारा परिवद्ध क्षेत्र का क्षेत्रफल (वर्ग इकाइयों में) है :

Options :

40503633850.  $\frac{11}{12}$

40503633851.  $\frac{13}{24}$

40503633852.  $\frac{9}{8}$

40503633853.  $\frac{5}{4}$

Question Number : 13 Question Id : 4050369317 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

equation  $x \log_e x \frac{dy}{dx} + 2y = 2x$  ( $x > 1$ ). If

$\lim_{x \rightarrow 1^+} y(x) = 1$ , then  $y(e^2)$  is equal to :

Options :

40503633854.  $\frac{e^2 - 1}{2}$

40503633855.  $\frac{e^2 + 1}{2}$

40503633856.  $e^2 - 1$

40503633857.  $e^2 + 1$

**Question Number : 13 Question Id : 4050369317 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

माना  $y = y(x)$ , अवकल समीकरण,

$x \log_e x \frac{dy}{dx} + 2y = 2x$  ( $x > 1$ ) का हल है। यदि

$\lim_{x \rightarrow 1^+} y(x) = 1$  है, तो  $y(e^2)$  बराबर है :

**Options :**

40503633854.  $\frac{e^2 - 1}{2}$

40503633855.  $\frac{e^2 + 1}{2}$

40503633856.  $e^2 - 1$

40503633857.  $e^2 + 1$

**Question Number : 14 Question Id : 4050369318 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

If  $(x_i, y_i), i=1, 2, 3$  are the vertices of an equilateral triangle such that

$$(x_1 + 3)^2 + (y_1 - 4)^2 = (x_2 + 3)^2 + (y_2 - 4)^2 = (x_3 + 3)^2 + (y_3 - 4)^2,$$
 then the value of

$$\frac{y_1 + y_2 + y_3}{x_1 + x_2 + x_3}$$
 is :

**Options :**

40503633858.  $\frac{4}{3}$

40503633859.  $-\frac{4}{3}$

40503633860.  $\frac{3}{4}$

40503633861.  $-\frac{3}{4}$

**Question Number : 14 Question Id : 4050369318 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

यदि एक समबाहु त्रिभुज के शीर्ष बिन्दु  $(x_i, y_i)$ ,  $i = 1, 2, 3$  हैं जिनके लिए

$$(x_1 + 3)^2 + (y_1 - 4)^2 = (x_2 + 3)^2 + (y_2 - 4)^2 =$$

$$(x_3 + 3)^2 + (y_3 - 4)^2 \text{ है, तो } \frac{y_1 + y_2 + y_3}{x_1 + x_2 + x_3} \text{ का}$$

मान है :

Options :

40503633858.  $\frac{4}{3}$

40503633859.  $-\frac{4}{3}$

40503633860.  $\frac{3}{4}$

40503633861.  $-\frac{3}{4}$

Question Number : 15 Question Id : 4050369319 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If tangent at  $\left(\frac{1}{\sqrt{2}}, \frac{1}{\sqrt{2}}\right)$  to the circle

$x^2 + y^2 = 1$  is also a tangent to the circle

$(x - a)^2 + (y - b)^2 = 1$ , then the ordered pair

$(a, b)$  can be :

**Options :**

40503633862.  $(-2, \sqrt{2})$

40503633863.  $(-\sqrt{2}, 2\sqrt{2})$

40503633864.  $(2, -2\sqrt{2})$

40503633865.  $(-\sqrt{2}, \sqrt{2})$

**Question Number : 15 Question Id : 4050369319 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

यदि वृत्त  $x^2 + y^2 = 1$  के बिन्दु  $\left(\frac{1}{\sqrt{2}}, \frac{1}{\sqrt{2}}\right)$  पर स्पर्श

रेखा वृत्त,  $(x - a)^2 + (y - b)^2 = 1$  को भी स्पर्श करती है, तो क्रमित युग्म  $(a, b)$  हो सकता है :

**Options :**

40503633862.  $(-2, \sqrt{2})$

40503633863.  $(-\sqrt{2}, 2\sqrt{2})$

40503633864.  $(2, -2\sqrt{2})$

40503633865.  $(-\sqrt{2}, \sqrt{2})$

**Question Number : 16 Question Id : 4050369320 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The foci of a hyperbola coincide with the foci of the ellipse,  $\frac{x^2}{16} + \frac{y^2}{9} = 1$ . If the eccentricity of the hyperbola is 4, then its equation is :

**Options :**

40503633866.  $\frac{x^2}{7} - \frac{4y^2}{105} = \frac{1}{4}$

40503633867.  $\frac{x^2}{7} - \frac{y^2}{105} = \frac{1}{16}$

40503633868.  $\frac{x^2}{20} - \frac{y^2}{75} = \frac{1}{16}$

40503633869.  $\frac{x^2}{5} - \frac{y^2}{75} = \frac{1}{16}$

**Question Number : 16 Question Id : 4050369320 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

एक अतिपरवलय के नाभि केन्द्र, दीर्घवृत्त,

$\frac{x^2}{16} + \frac{y^2}{9} = 1$  के नाभिकेन्द्रों के समान हैं। यदि

अतिपरवलय की उत्केन्द्रता 4 है, तो इसका समीकरण है :

**Options :**

40503633866.  $\frac{x^2}{7} - \frac{4y^2}{105} = \frac{1}{4}$

40503633867.  $\frac{x^2}{7} - \frac{y^2}{105} = \frac{1}{16}$

40503633868.  $\frac{x^2}{20} - \frac{y^2}{75} = \frac{1}{16}$

40503633869.  $\frac{x^2}{5} - \frac{y^2}{75} = \frac{1}{16}$

**Question Number : 17 Question Id : 4050369321 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

If the plane P :  $2x - y + 3z + 5 = 0$  is rotated through  $90^\circ$  about its line of intersection with the plane  $5x - 4y - 2z + 1 = 0$ , then the equation of the plane P in the new position is :



**Options :**

40503633870.  $27x - 24y - 26z + 13 = 0$

40503633871.  $27x - 24y - 26z - 13 = 0$

40503633872.  $31x + 2y - 20z - 13 = 0$

40503633873.  $31x - 25y + 29z + 13 = 0$

**Question Number : 17 Question Id : 4050369321 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

यदि समतल  $P : 2x - y + 3z + 5 = 0$  को समतल  $5x - 4y - 2z + 1 = 0$  तथा समतल  $P$  की प्रतिच्छेदन रेखा के सापेक्ष  $90^\circ$  के कोण पर घुमाया जाता है, तो नयी स्थिति में समतल  $P$  का समीकरण है :

**Options :**

40503633870.  $27x - 24y - 26z + 13 = 0$

40503633871.  $27x - 24y - 26z - 13 = 0$

40503633872.  $31x + 2y - 20z - 13 = 0$

40503633873.  $31x - 25y + 29z + 13 = 0$

**Question Number : 18 Question Id : 4050369322 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The top of two poles, standing 4 m apart on a horizontal plane, are connected by a cable. If the angles of depression from the top of one pole to the bottom of another pole are  $30^\circ$  and  $45^\circ$ , then the minimum length (in m) of the cable is :

**Options :**

40503633874.  $\sqrt{\frac{32\sqrt{3} - 16}{3}}$

40503633875.  $\sqrt{\frac{128 - 32\sqrt{3}}{3}}$

40503633876.  $\sqrt{\frac{122 - 32\sqrt{3}}{3}}$

40503633877.  $\sqrt{\frac{112 - 32\sqrt{3}}{3}}$

**Question Number : 18 Question Id : 4050369322 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

क्षैतिज तल पर दो खम्बे 4 मीटर की दूरी पर सीधे खड़े हैं जिनके शिखरों को एक केबल (cable) द्वारा जोड़ा गया है। यदि एक खम्बे के शिखर का दूसरे खम्बे के पाद से अवनमन कोण  $30^\circ$  तथा  $45^\circ$  हैं तो केबल की न्यूनतम लम्बाई (मी. में) है :

Options :

40503633874.  $\sqrt{\frac{32\sqrt{3} - 16}{3}}$

40503633875.  $\sqrt{\frac{128 - 32\sqrt{3}}{3}}$

40503633876.  $\sqrt{\frac{122 - 32\sqrt{3}}{3}}$

40503633877.  $\sqrt{\frac{112 - 32\sqrt{3}}{3}}$

Question Number : 19 Question Id : 4050369323 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Let A, B and C be three events such that the probability of occurrence of exactly one of A and B is  $\frac{1}{2}$ , the probability of occurrence of exactly one of B and C is  $\frac{3}{4}$  and the probability of occurrence of exactly one of C and A is  $\frac{1}{4}$ . If the probability of occurrence of all the three events simultaneously is  $\frac{1}{16}$ , then the probability that at least one of the three events will occur is :

**Options :**

40503633878.  $\frac{7}{16}$

40503633879.  $\frac{13}{16}$

40503633880.  $\frac{7}{8}$

40503633881.  $\frac{15}{16}$

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

माना तीन घटनायें A, B तथा C इस प्रकार हैं कि

A तथा B में से मात्र एक के होने की प्रायिकता  $\frac{1}{2}$  है,

B तथा C में से मात्र एक के होने की प्रायिकता  $\frac{3}{4}$  है,

और C तथा A में से मात्र एक के होने की प्रायिकता  $\frac{1}{4}$

है। यदि तीनों घटनाओं के एक साथ होने की प्रायिकता

$\frac{1}{16}$  है, तो इन तीनों घटनाओं में से कम से कम एक के

होने की प्रायिकता है :

**Options :**

40503633878.  $\frac{7}{16}$

40503633879.  $\frac{13}{16}$

40503633880.  $\frac{7}{8}$

40503633881.  $\frac{15}{16}$

**Question Number : 20 Question Id : 4050369324 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Let

$p$  : I have passed JEE (Main),

$q$  : My JEE (Main) rank is 100, and

$r$  : I will appear in JEE (Advanced)

be three statements with truth values T, F and T respectively. Then which one of the following has the truth value, F ?

**Options :**

40503633882.  $(\sim p \vee \sim q) \wedge r$

40503633883.  $(p \wedge \sim q) \vee (\sim r)$

40503633884.  $(\sim p \vee q) \wedge (\sim r)$

40503633885.  $(\sim p \wedge q) \vee r$

**Question Number : 20 Question Id : 4050369324 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

माना

p : मैंने JEE (Main) पास कर लिया है,

q : मेरा JEE (Main) में रैंक (Rank) 100 है तथा

r : मैं JEE (Advanced) की परीक्षा दूंगा

तीन कथन हैं, जिनके सत्यमान क्रमशः T, F तथा T हैं।

तो निम्न में से किसका सत्यमान F है?

Options :

40503633882.  $(\sim p \vee \sim q) \wedge r$

40503633883.  $(p \wedge \sim q) \vee (\sim r)$

40503633884.  $(\sim p \vee q) \wedge (\sim r)$

40503633885.  $(\sim p \wedge q) \vee r$

Sub-Section Number :

2

Sub-Section Id :

405036670

Question Shuffling Allowed :

Yes

Question Number : 21 Question Id : 4050369325 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

Let  $B = \begin{bmatrix} 22 & -26 \\ -6 & 10 \end{bmatrix}$  be the matrix obtained

by applying the elementary row operations  $R_2 \rightarrow R_2 - R_1$ ,  $R_1 \rightarrow 2R_1$  and  $R_1 \rightarrow R_1 - 2R_2$  (in this order only) on a matrix A. Then the sum of all entries of A is \_\_\_\_\_.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.002

**Question Number :** 21 **Question Id :** 4050369325 **Question Type :** SA Display **Question Number :** Yes

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

यदि आव्यूह A पर प्रारम्भिक पंक्ति संक्रियाओं  $R_2 \rightarrow R_2 - R_1$ ,  $R_1 \rightarrow 2R_1$  तथा  $R_1 \rightarrow R_1 - 2R_2$  (केवल इसी क्रम में) के प्रयोग से

आव्यूह  $B = \begin{bmatrix} 22 & -26 \\ -6 & 10 \end{bmatrix}$  प्राप्त होता है, तो A के

सभी अवयवों (entries) का योगफल है \_\_\_\_\_ ।

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText



**Possible Answers :**

5 to 5.002

**Question Number : 22 Question Id : 4050369326 Question Type : SA Display Question Number : Yes**

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

For  $b \in \mathbb{N}$ , if the limit of the function

$$f(x) = \begin{cases} [5x - 4], & x < 4 \\ \frac{[x + b]}{2}, & x > 4 \end{cases}$$

when  $x \rightarrow 4$ , exists and  $[t]$  denotes the greatest integer  $\leq t$ , then  $b$  is equal to

\_\_\_\_\_.

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

5 to 5.002

**Question Number : 22 Question Id : 4050369326 Question Type : SA Display Question Number : Yes**

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

$b \in \mathbb{N}$  के लिये, फलन  $f(x) = \begin{cases} [5x - 4], & x < 4 \\ \frac{[x + b]}{2}, & x > 4 \end{cases}$

की सीमा जबकि  $x \rightarrow 4$  है का अस्तित्व है और  $[t]$  महत्तम पूर्णांक  $\leq t$  को दर्शाता है, तो  $b$  बराबर है

\_\_\_\_\_।

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.002

**Question Number :** 23 **Question Id :** 4050369327 **Question Type :** SA **Display Question Number :** Yes

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

If  $S = \{x \in [0, 4\pi] : \sin 2x - \cos x = 0\}$  and the sum of the elements of  $S$  is  $k\pi$ , then  $k$  is equal to \_\_\_\_\_.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.002

**Question Number :** 23 **Question Id :** 4050369327 **Question Type :** SA **Display Question Number :** Yes

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

यदि  $S = \{x \in [0, 4\pi] : \sin 2x - \cos x = 0\}$  है तथा समुच्चय  $S$  के सभी अवयवों का योगफल  $k\pi$  है, तो  $k$  बराबर है \_\_\_\_\_।

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.002

**Question Number : 24 Question Id : 4050369328 Question Type : SA Display Question Number : Yes**

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

If the mean of the numbers

$-7, -5, -2, x, 5$  is  $-1$ , then the variance  
of the numbers  $x-3, 4x, x+3$  is \_\_\_\_\_.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.002

**Question Number : 24 Question Id : 4050369328 Question Type : SA Display Question Number : Yes**

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

यदि संख्याओं  $-7, -5, -2, x, 5$  का माध्य  $-1$  है,  
तो संख्याओं  $x-3, 4x, x+3$  का प्रसरण है  
\_\_\_\_\_।

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.002

Question Number : 25 Question Id : 4050369329 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

If the equation of a plane P passing through

the point  $\hat{i} + \hat{j} + \hat{k}$  is

$\vec{r} \cdot (2\hat{i} - \hat{j} + a\hat{k}) = 3$ , then the length of

the perpendicular from the point

$4\hat{i} - \hat{j} + 3\hat{k}$  on the plane P is \_\_\_\_\_.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.002

Question Number : 25 Question Id : 4050369329 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

यदि एक समतल P, जो बिन्दु  $\hat{i} + \hat{j} + \hat{k}$  से होकर

जाता है का समीकरण  $\vec{r} \cdot (2\hat{i} - \hat{j} + a\hat{k}) = 3$  है,

तो बिन्दु  $4\hat{i} - \hat{j} + 3\hat{k}$  से समतल P पर डाले गए

लम्ब की लम्बाई है \_\_\_\_\_ ।

Response Type : Numeric

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

5 to 5.002

## **Aptitude Test**

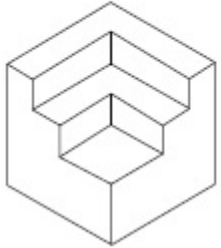
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<b>Section Number :</b>	2
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Display Number Panel :</b>	Yes
<b>Group All Questions :</b>	Yes
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	405036671
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 26 Question Id : 4050369330 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is**

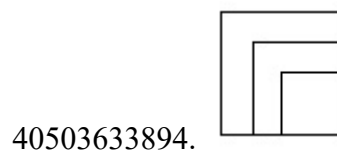
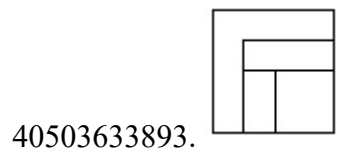
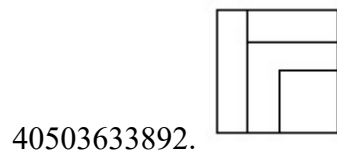
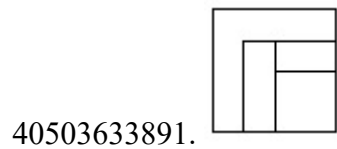
**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

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

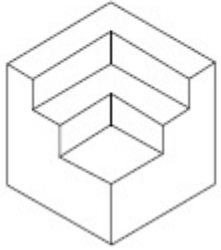


Options :

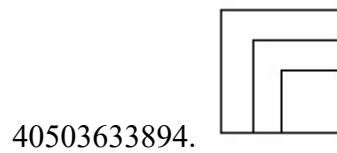
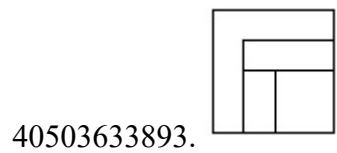
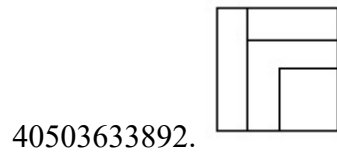
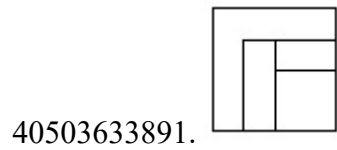


Question Number : 26 Question Id : 4050369330 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

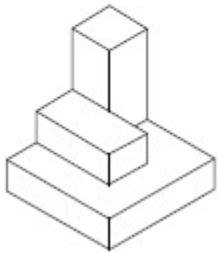


Options :

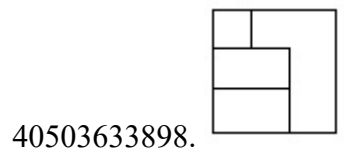
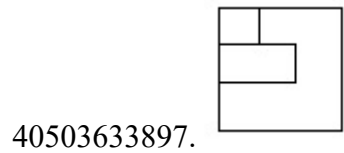
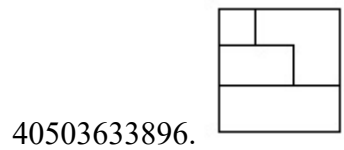
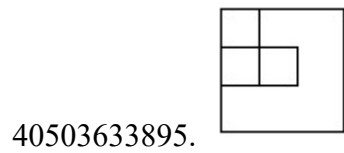


Question Number : 27 Question Id : 4050369331 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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



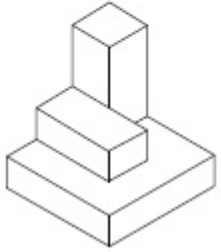
Options :



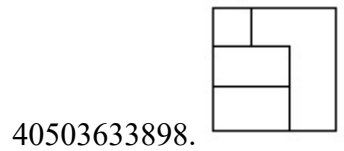
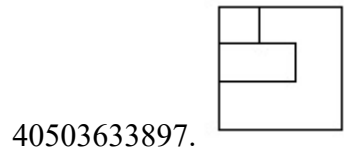
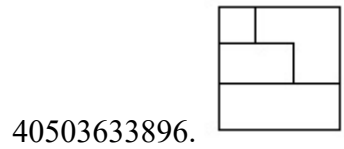
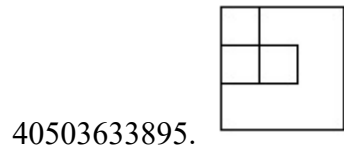
Question Number : 27 Question Id : 4050369331 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1



3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

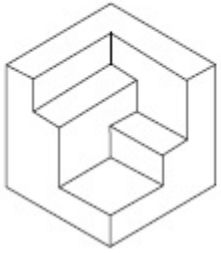


Options :

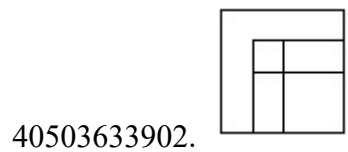
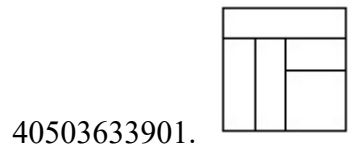
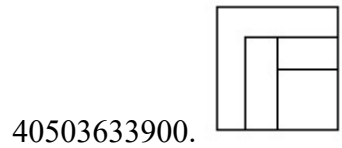
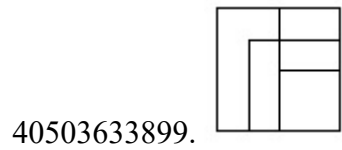


Question Number : 28 Question Id : 4050369332 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

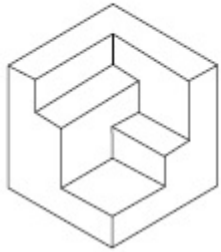


Options :

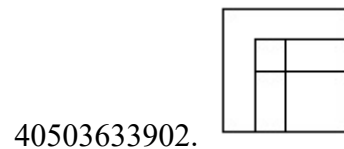
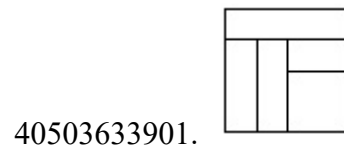
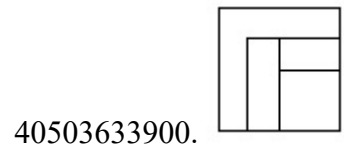
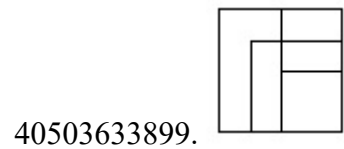


**Question Number : 28 Question Id : 4050369332 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

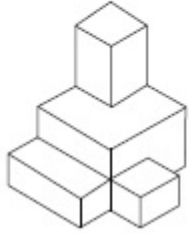


Options :

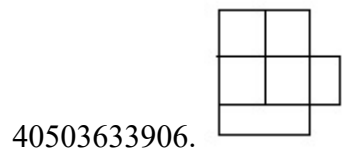
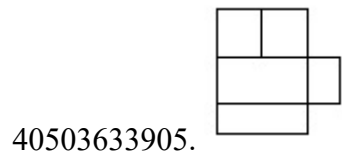
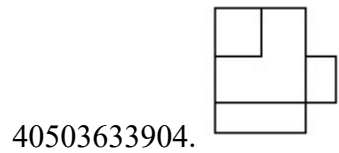
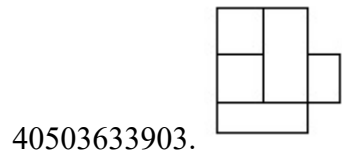


Question Number : 29 Question Id : 4050369333 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

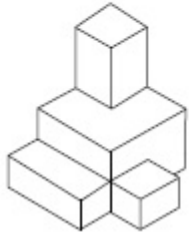


Options :

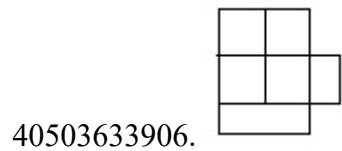
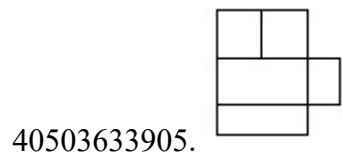
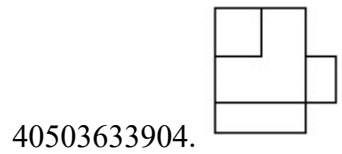
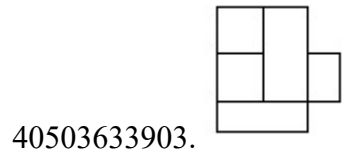


**Question Number : 29 Question Id : 4050369333 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

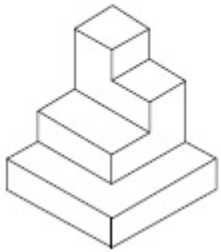


Options :

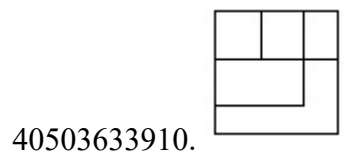
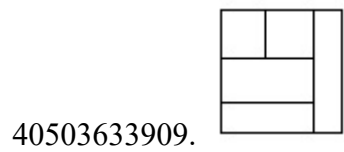
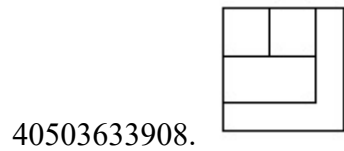
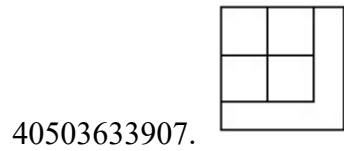


Question Number : 30 Question Id : 4050369334 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

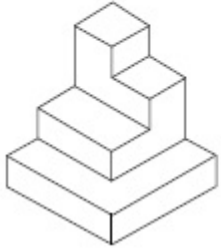


Options :

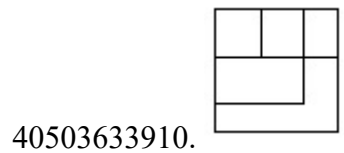
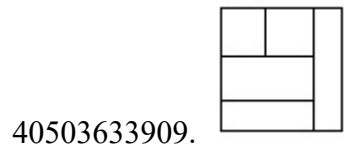
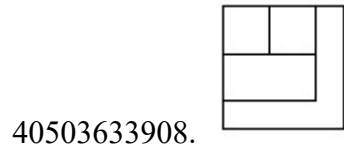
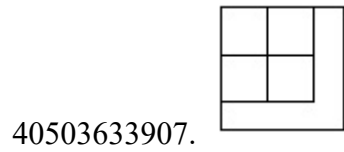


Question Number : 30 Question Id : 4050369334 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

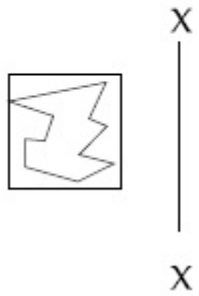


Options :

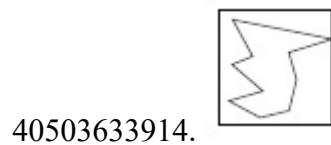
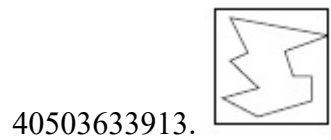
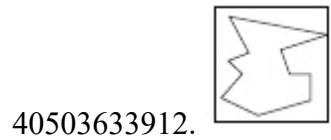
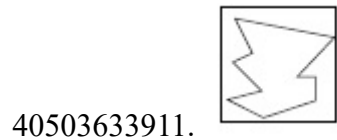


Question Number : 31 Question Id : 4050369335 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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



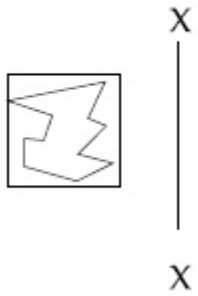
Options :



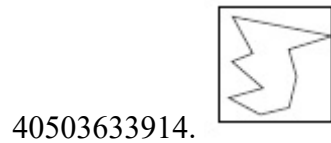
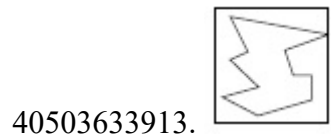
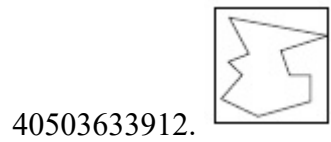
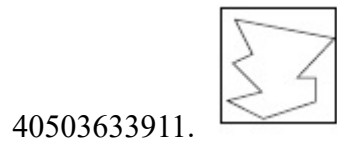
**Question Number : 31 Question Id : 4050369335 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**



उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X - X से सम्बंधित सही दर्पण प्रतिबिम्ब है ?

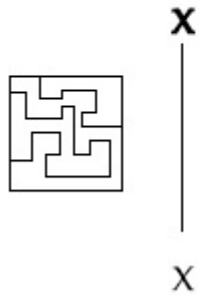


Options :

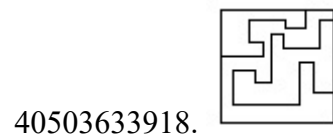
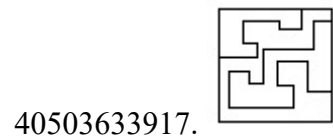
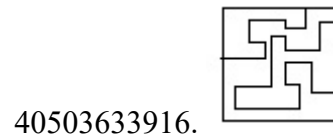
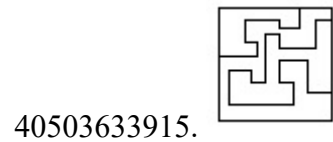


Question Number : 32 Question Id : 4050369336 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

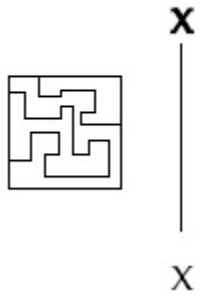


Options :

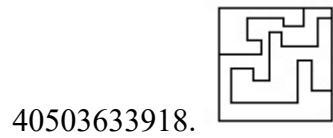
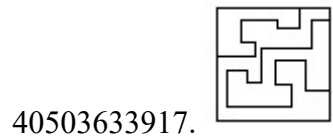
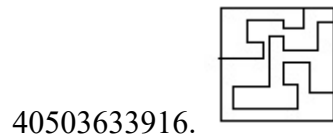
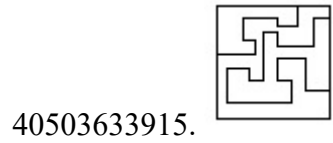


Question Number : 32 Question Id : 4050369336 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X - X से सम्बंधित सही दर्पण प्रतिबिम्ब है?

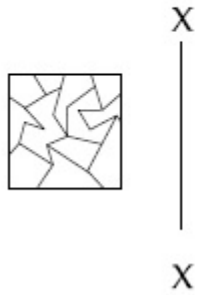


Options :

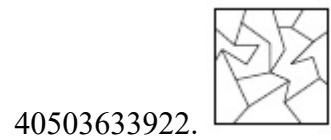
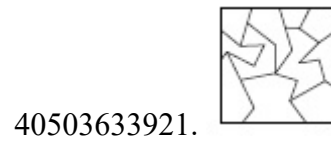
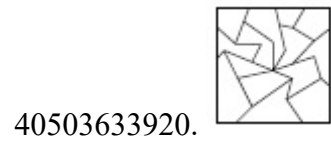
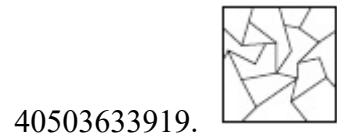


Question Number : 33 Question Id : 4050369337 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

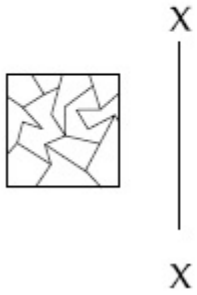


Options :

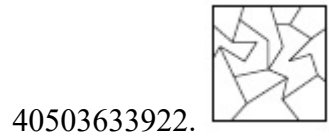
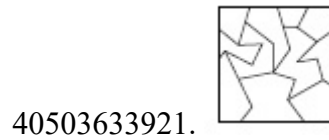
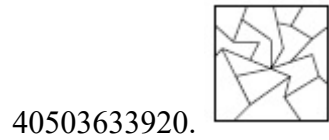
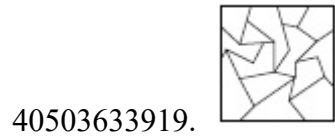


**Question Number : 33 Question Id : 4050369337 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X - X से सम्बंधित सही दर्पण प्रतिबिम्ब है?



Options :

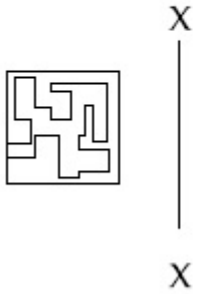


Question Number : 34 Question Id : 4050369338 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

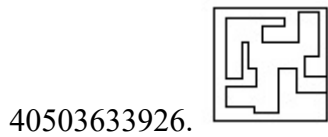
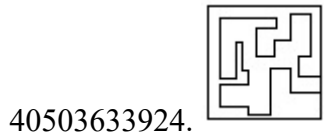
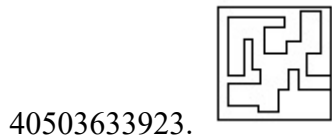
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

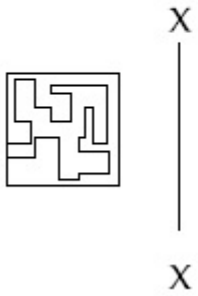


Options :

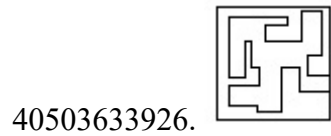
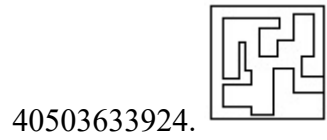
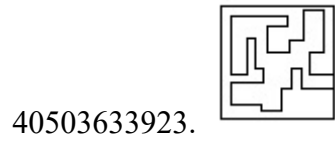


Question Number : 34 Question Id : 4050369338 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X - X से सम्बंधित सही दर्पण प्रतिबिम्ब है?

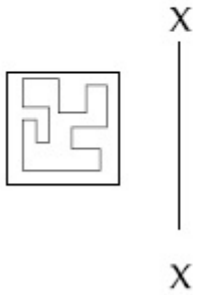


Options :

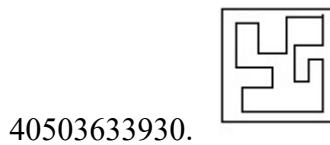
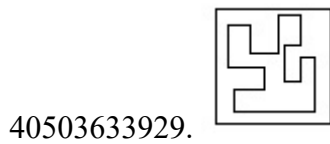
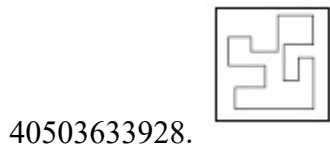
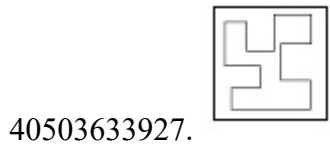


Question Number : 35 Question Id : 4050369339 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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



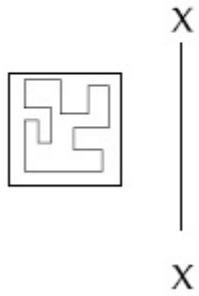
Options :



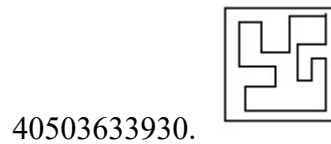
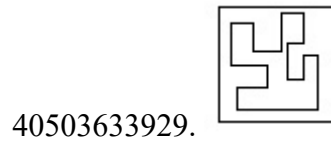
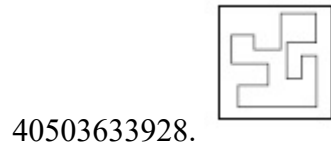
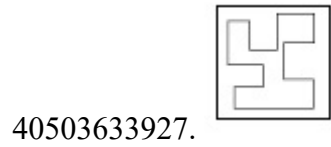
Question Number : 35 Question Id : 4050369339 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1



उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X - X से सम्बंधित सही दर्पण प्रतिबिम्ब है?



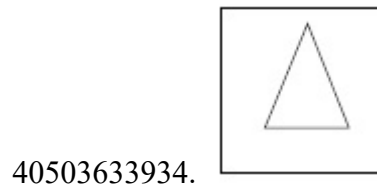
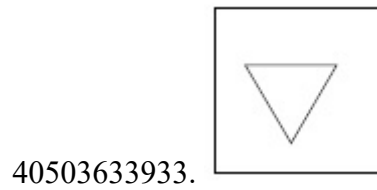
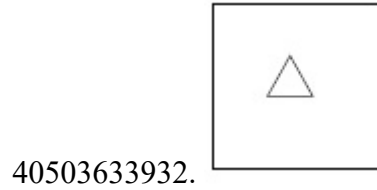
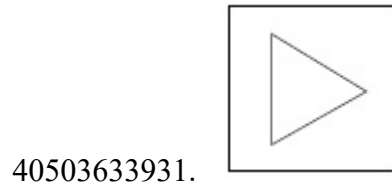
Options :



Question Number : 36 Question Id : 4050369340 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

Options :



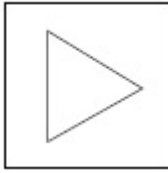
Question Number : 36 Question Id : 4050369340 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

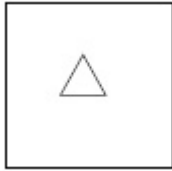
नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

Options :

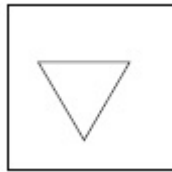
40503633931.



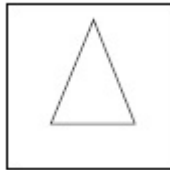
40503633932.



40503633933.



40503633934.

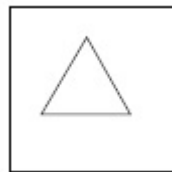


**Question Number : 37 Question Id : 4050369341 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

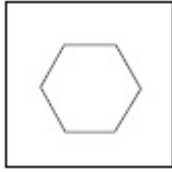
Find the odd figure out of the problem figures given below.

Options :

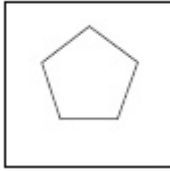
40503633935.



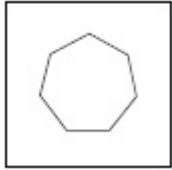
40503633936.



40503633937.



40503633938.



**Question Number : 37 Question Id : 4050369341 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

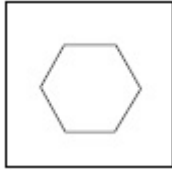
नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

**Options :**

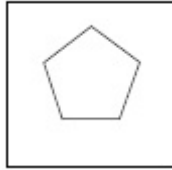
40503633935.



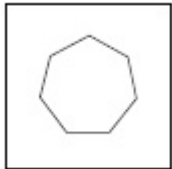
40503633936.



40503633937.



40503633938.

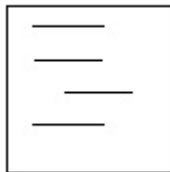


**Question Number : 38 Question Id : 4050369342 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

Options :

40503633939.



40503633940.



40503633941.



40503633942.



**Question Number : 38 Question Id : 4050369342 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

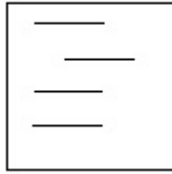
नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

**Options :**

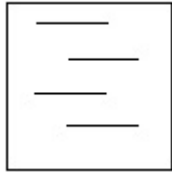
40503633939.



40503633940.



40503633941.



40503633942.

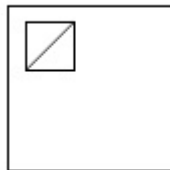


**Question Number : 39 Question Id : 4050369343 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

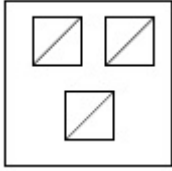
Find the odd figure out of the problem figures given below.

**Options :**

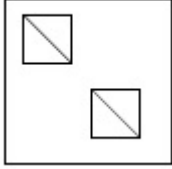
40503633943.



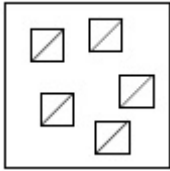
40503633944.



40503633945.



40503633946.

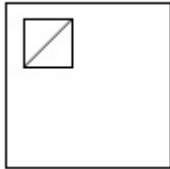


**Question Number : 39 Question Id : 4050369343 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

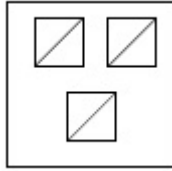
**Options :**

40503633943.

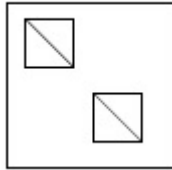




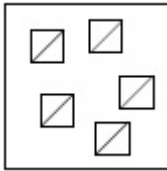
40503633944.



40503633945.



40503633946.

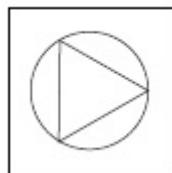


**Question Number : 40 Question Id : 4050369344 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

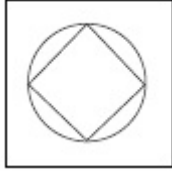
Find the odd figure out of the problem figures given below.

Options :

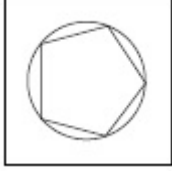
40503633947.



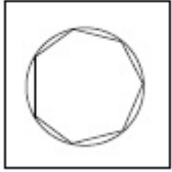
40503633948.



40503633949.



40503633950.

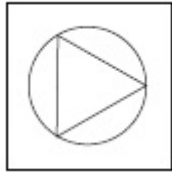


**Question Number : 40 Question Id : 4050369344 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

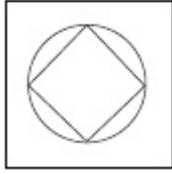
नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

**Options :**

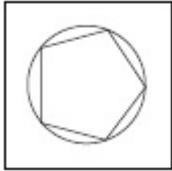
40503633947.



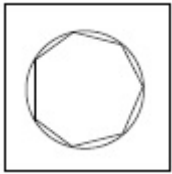
40503633948.



40503633949.

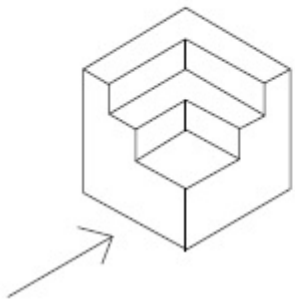


40503633950.

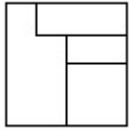


**Question Number : 41 Question Id : 4050369345 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

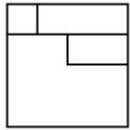
The 3 - D figure shows the view of an object. Identify the correct front view in the direction of the arrow, from amongst the answer figures.



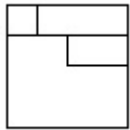
**Options :**



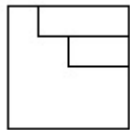
40503633951.



40503633952.



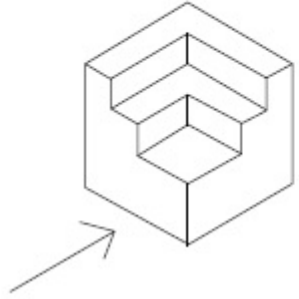
40503633953.



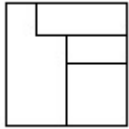
40503633954.

**Question Number : 41 Question Id : 4050369345 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

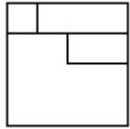
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।



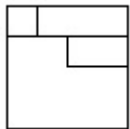
Options :



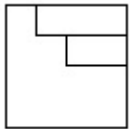
40503633951.



40503633952.



40503633953.

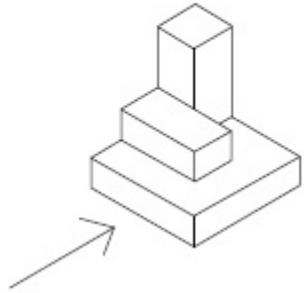


40503633954.

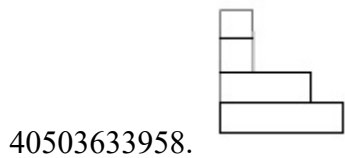
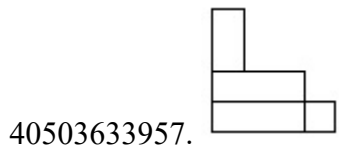
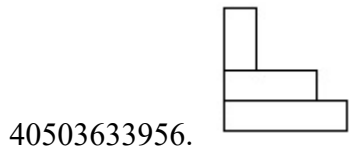
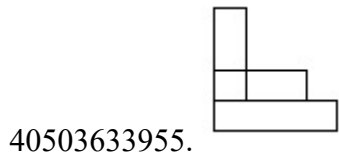
Question Number : 42 Question Id : 4050369346 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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



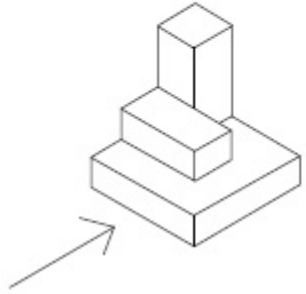
Options :



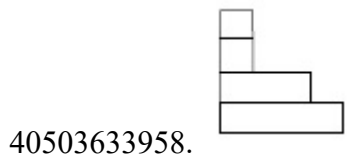
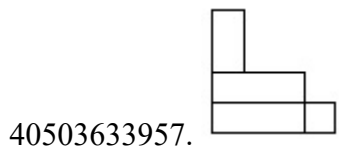
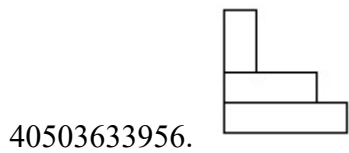
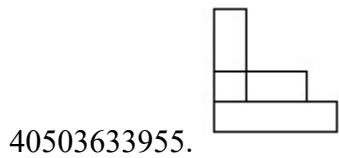
Question Number : 42 Question Id : 4050369346 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।



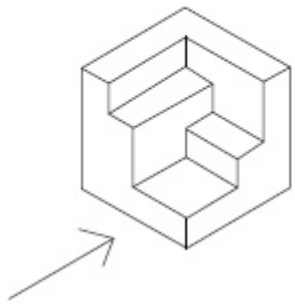
Options :



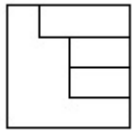
Question Number : 43 Question Id : 4050369347 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

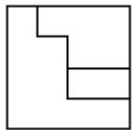
The 3 - D figure shows the view of an object. Identify the correct front view in the direction of the arrow, from amongst the answer figures.



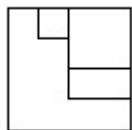
Options :



40503633959.



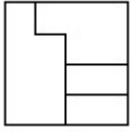
40503633960.



40503633961.

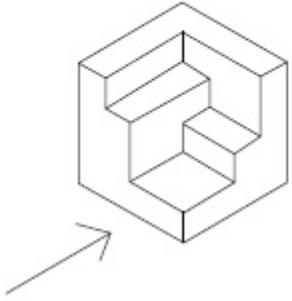


40503633962.

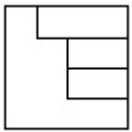


**Question Number : 43 Question Id : 4050369347 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

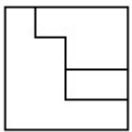
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।



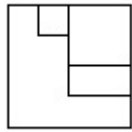
**Options :**



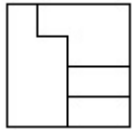
40503633959.



40503633960.



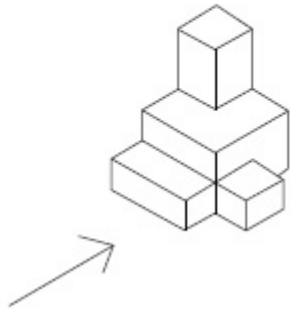
40503633961.



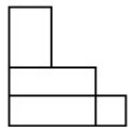
40503633962.

**Question Number : 44 Question Id : 4050369348 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

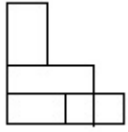


**Options :**

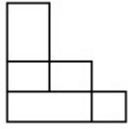


40503633963.

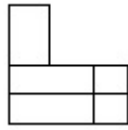
40503633964.



40503633965.

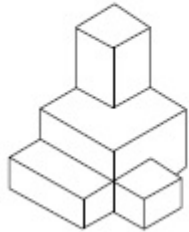


40503633966.



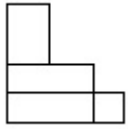
**Question Number : 44 Question Id : 4050369348 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

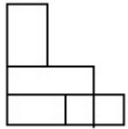


**Options :**

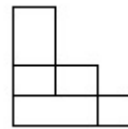
40503633963.



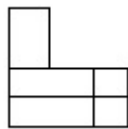
40503633964.



40503633965.

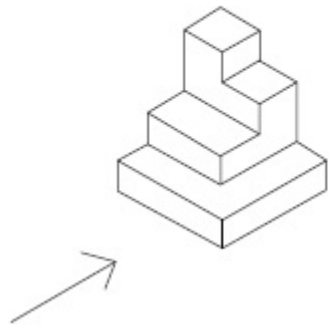


40503633966.

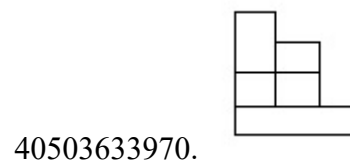
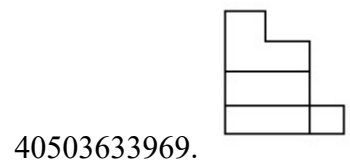
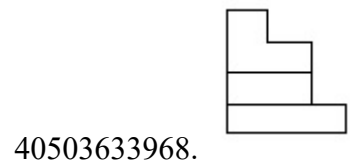
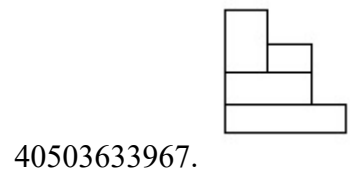


**Question Number : 45 Question Id : 4050369349 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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



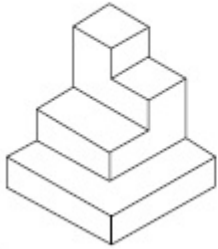
**Options :**



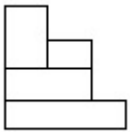
Question Number : 45 Question Id : 4050369349 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

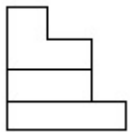
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।



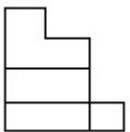
Options :



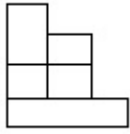
40503633967.



40503633968.



40503633969.

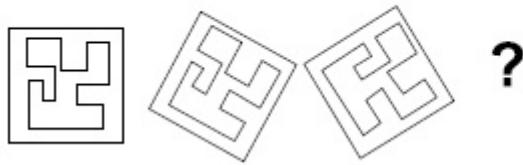


40503633970.

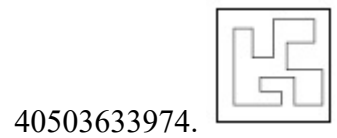
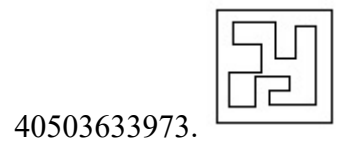
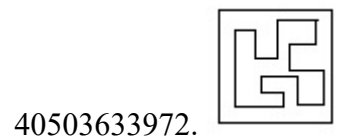
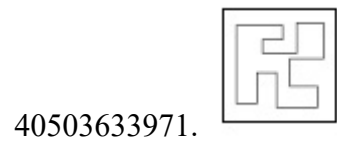
**Question Number : 46 Question Id : 4050369350 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

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



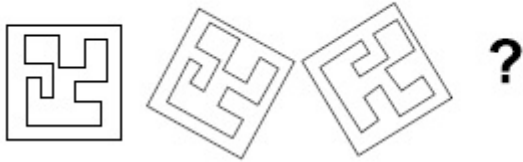
**Options :**



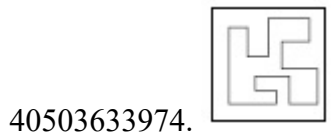
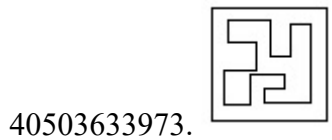
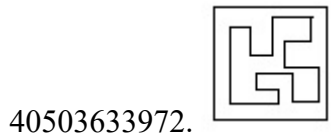
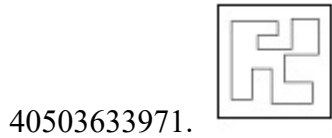
Question Number : 46 Question Id : 4050369350 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

उत्तर आकृतियों में से कौन सी आकृति को तीन प्रश्न आकृतियों में लगाने से अनुक्रम (sequence) पूरा हो जायेगा ?



Options :

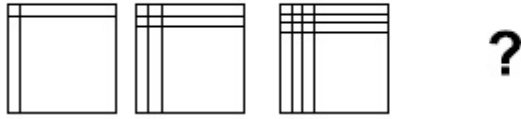


Question Number : 47 Question Id : 4050369351 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

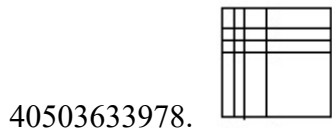
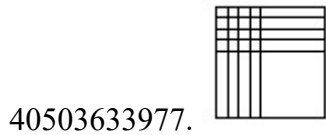
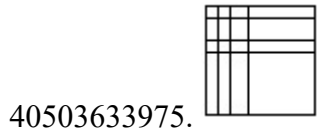


Correct Marks : 4 Wrong Marks : 1

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



Options :



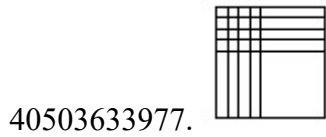
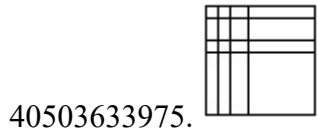
Question Number : 47 Question Id : 4050369351 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

उत्तर आकृतियों में से कौन सी आकृति को तीन प्रश्न आकृतियों में लगाने से अनुक्रम (sequence) पूरा हो जायेगा ?

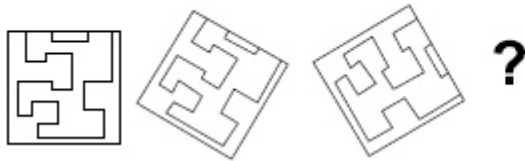


**Options :**

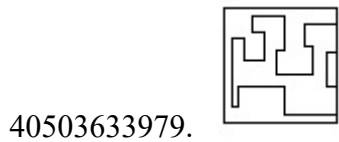


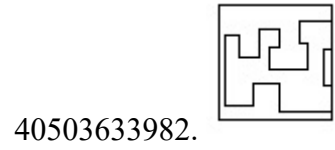
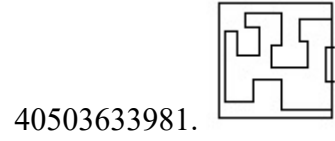
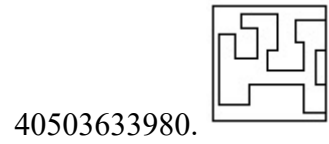
**Question Number : 48 Question Id : 4050369352 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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



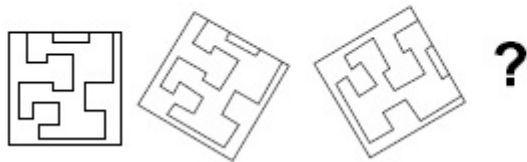
**Options :**



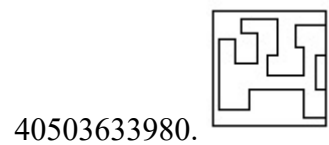
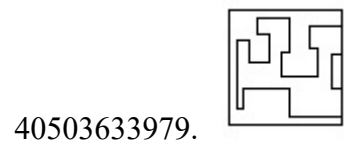


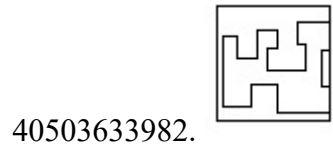
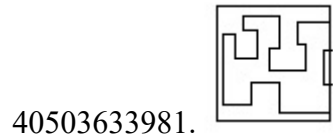
**Question Number : 48 Question Id : 4050369352 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

उत्तर आकृतियों में से कौन सी आकृति को तीन प्रश्न आकृतियों में लगाने से अनुक्रम (sequence) पूरा हो जायेगा ?



**Options :**

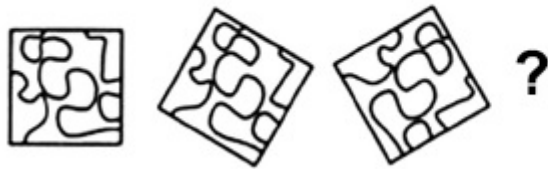




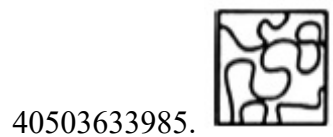
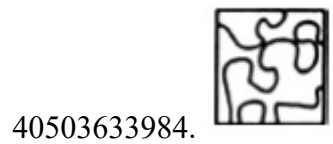
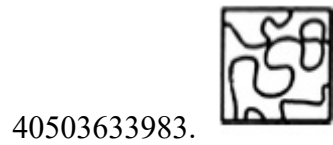
**Question Number : 49 Question Id : 4050369353 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

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



**Options :**

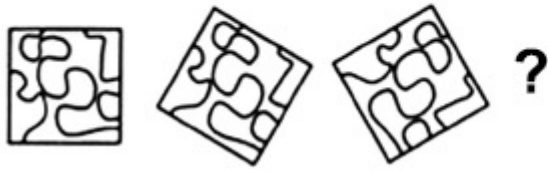




40503633986.

**Question Number : 49 Question Id : 4050369353 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

उत्तर आकृतियों में से कौन सी आकृति को तीन प्रश्न आकृतियों में लगाने से अनुक्रम (sequence) पूरा हो जायेगा ?



**Options :**



40503633983.



40503633984.



40503633985.

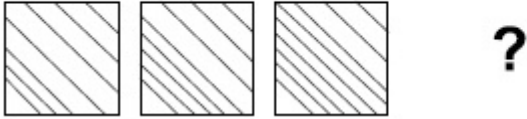


40503633986.

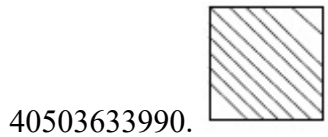
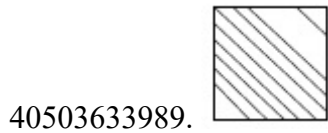
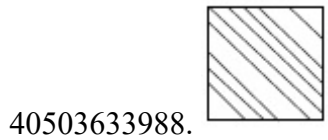
**Question Number : 50 Question Id : 4050369354 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

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



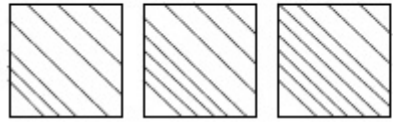
**Options :**



**Question Number : 50 Question Id : 4050369354 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

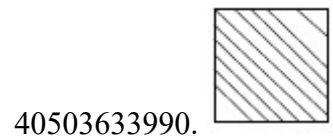
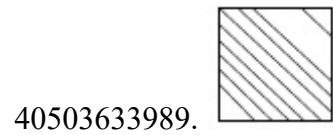
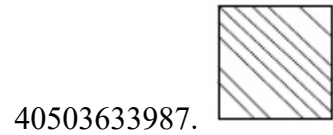
**Correct Marks : 4 Wrong Marks : 1**

उत्तर आकृतियों में से कौन सी आकृति को तीन प्रश्न आकृतियों में लगाने से अनुक्रम (sequence) पूरा हो जायेगा ?



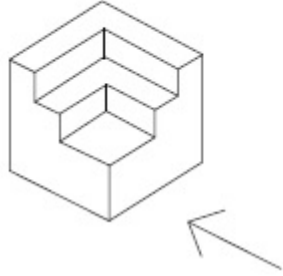
?

Options :

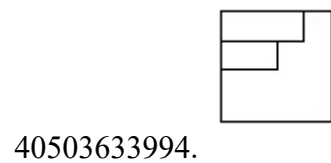
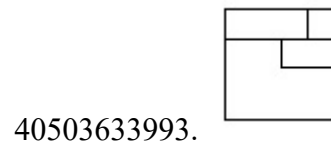
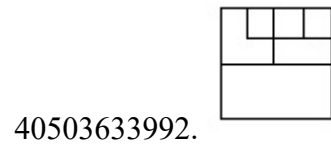
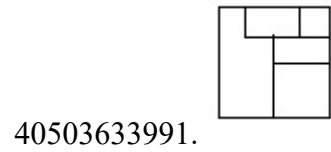


**Question Number : 51 Question Id : 4050369355 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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



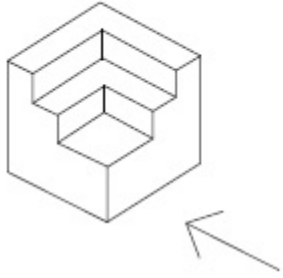
Options :



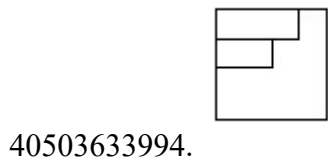
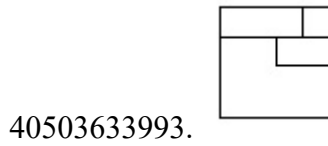
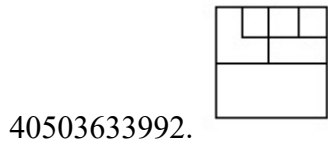
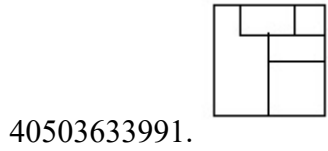


**Correct Marks : 4 Wrong Marks : 1**

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।



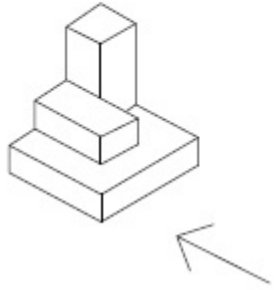
**Options :**



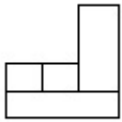
Question Number : 52 Question Id : 4050369356 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

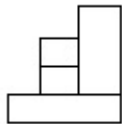
The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



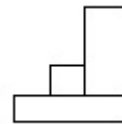
Options :



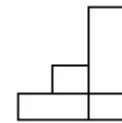
40503633995.



40503633996.



40503633997.

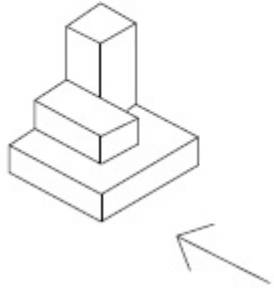


40503633998.

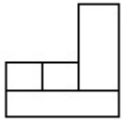
**Question Number : 52 Question Id : 4050369356 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

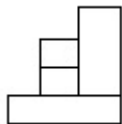
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।



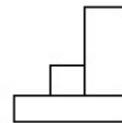
**Options :**



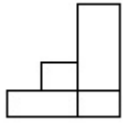
40503633995.



40503633996.



40503633997.

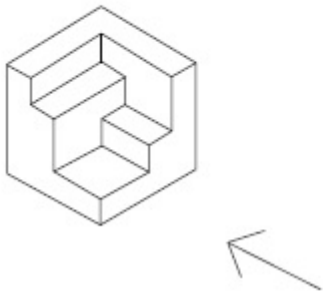


40503633998.

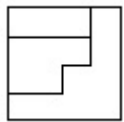
**Question Number : 53 Question Id : 4050369357 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

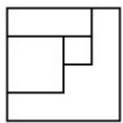
The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



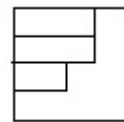
**Options :**



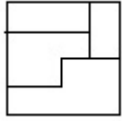
40503633999.



40503634000.



40503634001.

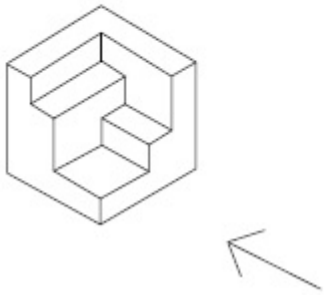


40503634002.

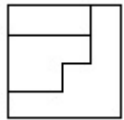
**Question Number : 53 Question Id : 4050369357 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

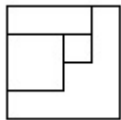
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।



**Options :**

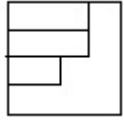


40503633999.

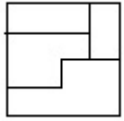


40503634000.

40503634001.

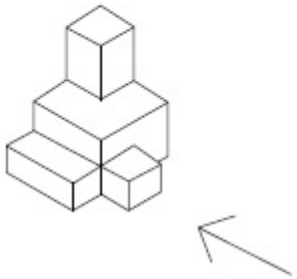


40503634002.



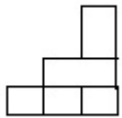
**Question Number : 54 Question Id : 4050369358 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

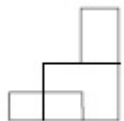


**Options :**

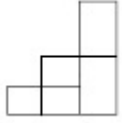
40503634003.



40503634004.



40503634005.

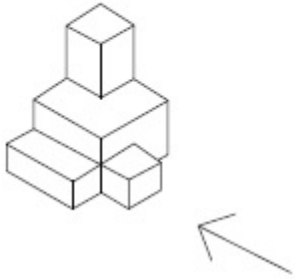


40503634006.



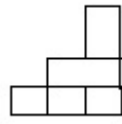
**Question Number : 54 Question Id : 4050369358 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

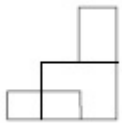


**Options :**

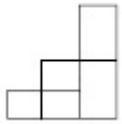
40503634003.



40503634004.



40503634005.



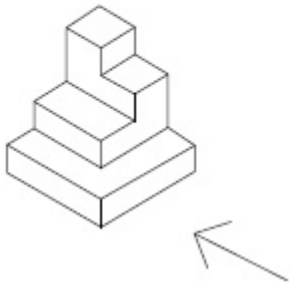
40503634006.



**Question Number : 55 Question Id : 4050369359 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

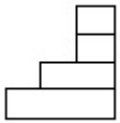
**Correct Marks : 4 Wrong Marks : 1**

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

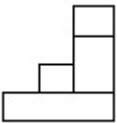


**Options :**

40503634007.

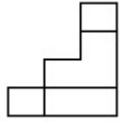


40503634008.

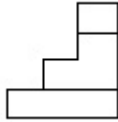




40503634009.

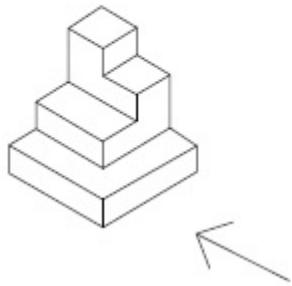


40503634010.



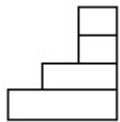
**Question Number : 55 Question Id : 4050369359 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

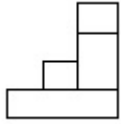


**Options :**

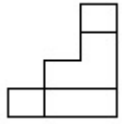
40503634007.



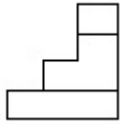
40503634008.



40503634009.

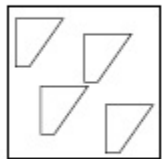


40503634010.

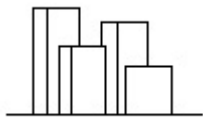


**Question Number : 56 Question Id : 4050369360 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.

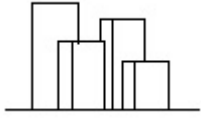


**Options :**

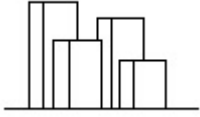


40503634011.

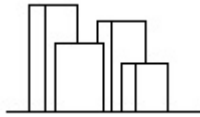
40503634012.



40503634013.



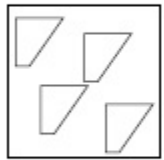
40503634014.



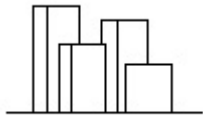
**Question Number : 56 Question Id : 4050369360 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

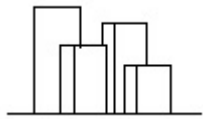
प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिंह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।



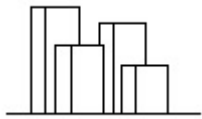
**Options :**



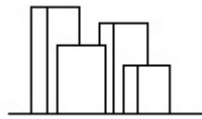
40503634011.



40503634012.



40503634013.

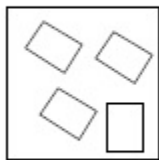


40503634014.

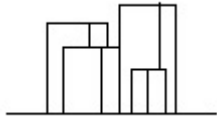
**Question Number : 57 Question Id : 4050369361 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

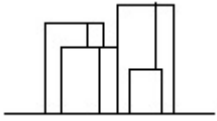
The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.



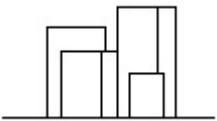
**Options :**



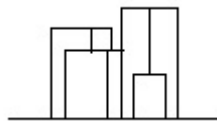
40503634015.



40503634016.



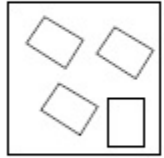
40503634017.



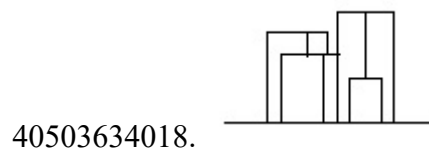
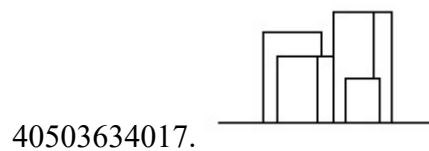
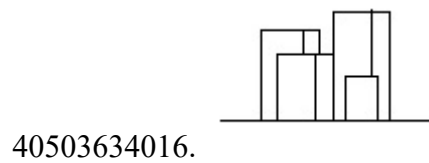
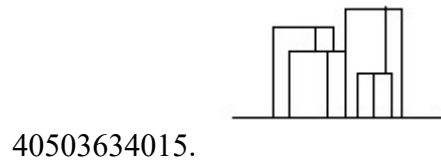
40503634018.

**Question Number : 57 Question Id : 4050369361 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिंह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।



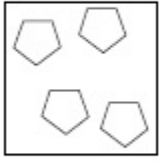
Options :



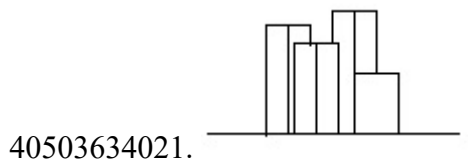
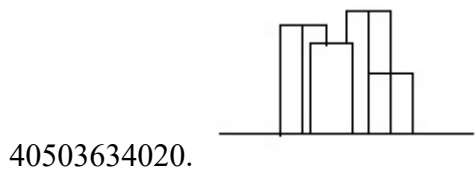
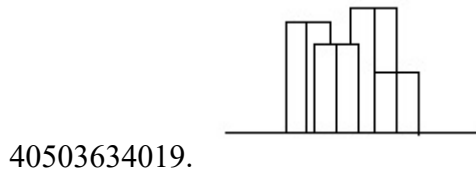
Question Number : 58 Question Id : 4050369362 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

**Correct Marks : 4 Wrong Marks : 1**

The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.



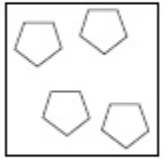
**Options :**



Question Number : 58 Question Id : 4050369362 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

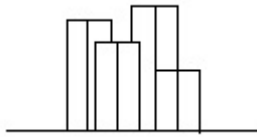
Correct Marks : 4 Wrong Marks : 1

प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिंह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।

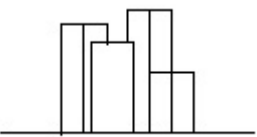


Options :

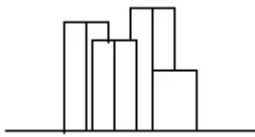
40503634019.



40503634020.

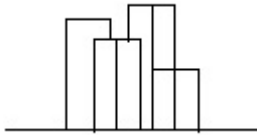


40503634021.





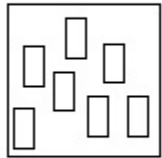
40503634022.



**Question Number : 59 Question Id : 4050369363 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

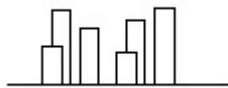
**Correct Marks : 4 Wrong Marks : 1**

The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.

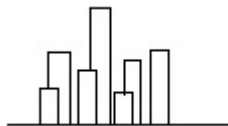


**Options :**

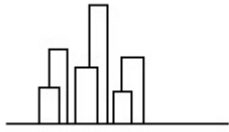
40503634023.



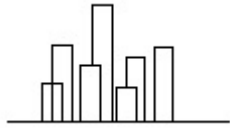
40503634024.



40503634025.

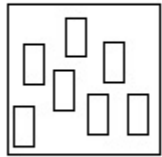


40503634026.



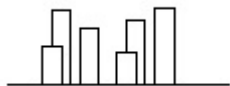
**Question Number : 59 Question Id : 4050369363 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिंह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।

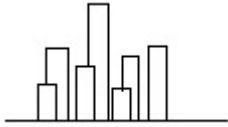


**Options :**

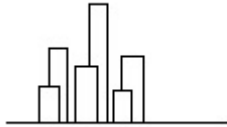
40503634023.



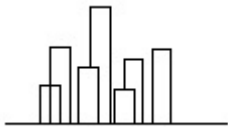
40503634024.



40503634025.

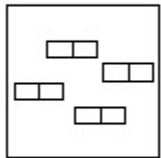


40503634026.

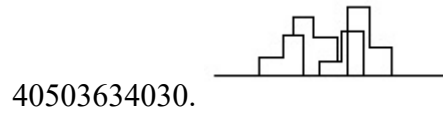
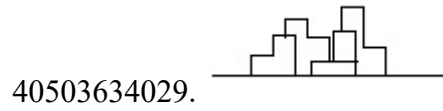
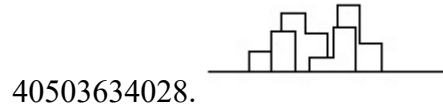
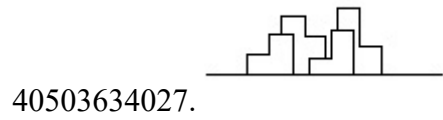


**Question Number : 60 Question Id : 4050369364 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.

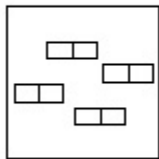


**Options :**

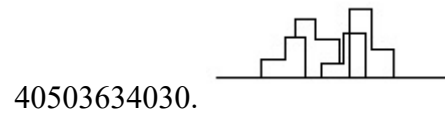
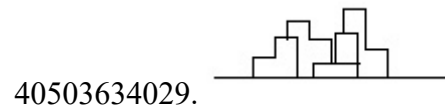
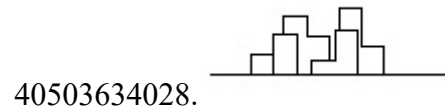
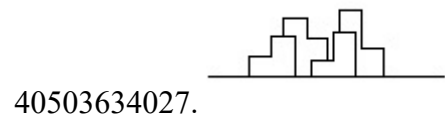


**Question Number : 60 Question Id : 4050369364 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।



**Options :**



**Question Number : 61 Question Id : 4050369365 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The White House is which one of the following ?

**Options :**

40503634031. Residence of Prime Minister of Germany

40503634032. Residence of Prime Minister of France

40503634033. Residence of Prime Minister of Spain

40503634034. Residence of President of USA

**Question Number : 61 Question Id : 4050369365 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

व्हाइट हाउस निम्नलिखित में से कौन सा है?

**Options :**

40503634031. जर्मनी के प्रधानमंत्री का निवास

40503634032. फ्रांस के प्रधानमंत्री का निवास

40503634033. स्पेन के प्रधानमंत्री का निवास

40503634034. संयुक्त राज्य अमेरिका के राष्ट्रपति का निवास

**Question Number : 62 Question Id : 4050369366 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

In the Northern Hemisphere the summer sun rises from which one of the following directions ?

**Options :**

40503634035. North East

40503634036. North West

40503634037. South East

40503634038. South West

**Question Number : 62 Question Id : 4050369366 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

उत्तरी गोलार्ध में गर्मियों में सूरज निम्न दिशाओं में से किस एक दिशा से उगता है ?

**Options :**

40503634035. उत्तर पूर्व

40503634036. उत्तर पश्चिम

40503634037. दक्षिण पूर्व

40503634038. दक्षिण पश्चिम

**Question Number : 63 Question Id : 4050369367 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

In which of the following States is the Golden Temple located ?

**Options :**

40503634039. Haryana

40503634040. Punjab

40503634041. Assam

40503634042. Nagaland

**Question Number : 63 Question Id : 4050369367 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

निम्नलिखित में से कौन से प्रदेश में स्वर्ण मंदिर स्थित है?

**Options :**

40503634039. हरियाणा

40503634040. पंजाब

40503634041. असम

40503634042. नागालैंड

**Question Number : 64 Question Id : 4050369368 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

What is the thickness of a one and a half brick thick wall ?

**Options :**

40503634043. 9"

40503634044. 12"



40503634045. 18"

40503634046. 13.5"

**Question Number : 64 Question Id : 4050369368 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

डेढ़ ईंट की मोटी दीवार की मोटाई कितनी होती है ?

**Options :**

40503634043. 9"

40503634044. 12"

40503634045. 18"

40503634046. 13.5"

**Question Number : 65 Question Id : 4050369369 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one amongst the following supports the masonry above doors and windows ?

**Options :**

40503634047. Foundation

40503634048. Lintel

40503634049. Slab

40503634050. Wooden frame

**Question Number : 65 Question Id : 4050369369 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

निम्नलिखित में से कौन सा दरवाजे और खिड़कियों के ऊपर चिनाई का समर्थन करता है?

**Options :**

40503634047. नींव

40503634048. लिंटल

40503634049. स्लैब

40503634050. लकड़ी का फ्रेम

**Question Number : 66 Question Id : 4050369370 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The Leaning Tower in Italy is located in which one of the following cities ?

**Options :**

40503634051. Florence

40503634052. Venice

40503634053. Pisa

40503634054. Rome

**Question Number : 66 Question Id : 4050369370 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

इटली का लीनिंग टावर निम्न में से किस शहर में स्थित है?

**Options :**

40503634051. फ्लोरेंस

40503634052. वेनिस

40503634053. पिसा

40503634054. रोम

**Question Number : 67 Question Id : 4050369371 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one of the garden of the following is a terraced garden in Srinagar ?

**Options :**

40503634055. Nishat

40503634056. Vrindaban

40503634057. Buddha

40503634058. Nehru

**Question Number : 67 Question Id : 4050369371 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

निम्नलिखित में से कौन सा बहुस्तरोँ वाला एक बगीचा श्रीनगर में स्थित है?

**Options :**

40503634055. निशात

40503634056. वृंदावन

40503634057. बुद्ध

40503634058. नेहरू

**Question Number : 68 Question Id : 4050369372 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

What amongst the following is the name of the famous museum in Hyderabad ?

**Options :**

40503634059. Falaknuma

40503634060. Salarjung

40503634061. Gandhi

40503634062. Nizam

**Question Number : 68 Question Id : 4050369372 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

निम्नलिखित में से कौन सा हैदराबाद के प्रसिद्ध संग्रहालय का नाम है?

**Options :**

40503634059. फलाकनुमा

40503634060. सलारजंग

40503634061. गांधी

40503634062. निजाम

**Question Number : 69 Question Id : 4050369373 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one of the color is made when blue and yellow are mixed ?

**Options :**

40503634063. Violet

40503634064. Orange

40503634065. Green

40503634066. White

**Question Number : 69 Question Id : 4050369373 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

नीले और पीले रंग के मिश्रण से कौन सा रंग बनता है?

**Options :**

40503634063. बैंगनी

40503634064. नारंगी

40503634065. हरा

40503634066. सफ़ेद

**Question Number : 70 Question Id : 4050369374 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one of the following color suggests love and romance ?

**Options :**

40503634067. Blue

40503634068. Green

40503634069. Pink

40503634070. Brown

**Question Number : 70 Question Id : 4050369374 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

निम्न रंग में से कौन सा एक प्यार और रोमांस पता चलता है?

**Options :**

40503634067. नीला

40503634068. हरा

40503634069. गुलाबी

40503634070. भूरा

**Question Number : 71 Question Id : 4050369375 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one of the following suggests the texture of the skin of the elderly persons ?

**Options :**

40503634071. Glossy

40503634072. Wrinkled

40503634073. Smooth

40503634074. Soft

**Question Number : 71 Question Id : 4050369375 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

निम्न में से कौन सा बुजुर्ग व्यक्तियों की त्वचा की बनावट का सुझाव देता है ?

**Options :**

40503634071. चमकदार

40503634072. झुर्रीदार

40503634073. चिकना

40503634074. नरम

**Question Number : 72 Question Id : 4050369376 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**



**Correct Marks : 4 Wrong Marks : 1**

Which one of the following is fixed to drain water from a sloping roof ?

**Options :**

40503634075. Ridge

40503634076. Eave

40503634077. J. Bolt

40503634078. Gutter

**Question Number : 72 Question Id : 4050369376 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

निम्न में से कौन-सा एक जल को छत से निकालने के लिए नियत किया गया है?

**Options :**

40503634075. रिज

40503634076. एव

40503634077. जे. बोल्ट

40503634078. गटर

**Question Number : 73 Question Id : 4050369377 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the following is ideal flooring  
for a cinema hall ?

**Options :**

40503634079. Granite

40503634080. Brick

40503634081. Marble

40503634082. Carpet

**Question Number : 73 Question Id : 4050369377 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

निम्नलिखित में से कौन सा सिनेमा हॉल के लिए आदर्श  
फर्श है ?

**Options :**

40503634079. ग्रेनाइट

40503634080. ईंट

40503634081. संगमरमर

40503634082. कालीन

**Question Number : 74 Question Id : 4050369378 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Who among the following is the architect of the Punjab Haryana High Court Building?

**Options :**

40503634083. Maxwell Fry

40503634084. Le Corbusier

40503634085. Louis Kahn

40503634086. Geoffrey Bawa

**Question Number : 74 Question Id : 4050369378 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

पंजाब हरियाणा उच्च न्यायालय भवन का वास्तुकार निम्न में से कौन है?

**Options :**

40503634083. मैक्सवेल फ्राई

40503634084. ले कोर्बुसीर

40503634085. लूस काह

40503634086. जेफ्री बावा

**Question Number : 75 Question Id : 4050369379 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one among the following is used for water conservation ?

**Options :**

40503634087. Water drainage

40503634088. Water evaporation

40503634089. Water harvesting

40503634090. Water flowing

**Question Number : 75 Question Id : 4050369379 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

जल संरक्षण के लिए निम्नलिखित में से कौन सा प्रयोग किया जाता है?

**Options :**

40503634087. जल निकासी

40503634088. जल वाष्पीकरण

40503634089. जल संचयन

40503634090. जल प्रवाह

## Planning

<b>Section Id :</b>	405036337
<b>Section Number :</b>	3
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	25
<b>Number of Questions to be attempted :</b>	25
<b>Section Marks :</b>	100
<b>Display Number Panel :</b>	Yes
<b>Group All Questions :</b>	Yes
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	405036672
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 76 Question Id : 4050369380 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Secondary sector of economic activity is associated with :

**Options :**

40503634091. Agriculture

40503634092. Manufacturing

40503634093. Service

40503634094. Mining

**Question Number : 76 Question Id : 4050369380 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

आर्थिक गतिविधि का द्वितीयक (Secondary) क्षेत्र किस से सम्बंधित है ?

**Options :**

40503634091. कृषि

40503634092. निर्माण

40503634093. सेवा

40503634094. खनन

**Question Number : 77 Question Id : 4050369381 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Allocation of powers and functions between Union and State governments is given in which schedule of the Constitution of India ?

**Options :**

40503634095. First Schedule

40503634096. Third Schedule

40503634097. Fifth Schedule

40503634098. Seventh Schedule

**Question Number : 77 Question Id : 4050369381 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

संघ तथा राज्य सरकारों के बीच शक्तियों तथा कार्यों का आवंटन भारतीय संविधान की किस अनुसूची में दिया गया है?

**Options :**

40503634095. पहली अनुसूची

40503634096. तीसरी अनुसूची

40503634097. पाँचवीं अनुसूची

40503634098. सातवीं अनुसूची

**Question Number : 78 Question Id : 4050369382 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which of the following criteria is not the basis of classification of natural resources ?

**Options :**

40503634099. Exhaustibility

40503634100. Ownership

40503634101. Origin

40503634102. Climate

**Question Number : 78 Question Id : 4050369382 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

निम्न में से कौन सा मानदंड प्राकृतिक संसाधनों के वर्गीकरण का आधार नहीं है ?

**Options :**

40503634099. निर्वातनियता

40503634100. स्वामित्व

40503634101. स्रोत

40503634102. जलवायु

**Question Number : 79 Question Id : 4050369383 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**



**Correct Marks : 4 Wrong Marks : 1**

Who amongst the following was involved in design of New Delhi ?

**Options :**

40503634103. Sir Edwin Lutyens

40503634104. Le Corbusier

40503634105. Otto Konigsberger

40503634106. Patrick Geddes

**Question Number : 79 Question Id : 4050369383 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

निम्न में से किसने नई दिल्ली का डिज़ाइन किया ?

**Options :**

40503634103. सर एडविन लुटियन

40503634104. लौ कार्बुज़ियर

40503634105. ओटो कोनिगस्बर्गर

40503634106. पैट्रिक गेडिस

**Question Number : 80 Question Id : 4050369384 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Jawaharlal Nehru National Urban Renewal  
Mission (JNNURM) was launched in :

**Options :**

40503634107. 1970

40503634108. 1975

40503634109. 2005

40503634110. 2010

**Question Number : 80 Question Id : 4050369384 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

जवाहरलाल नेहरू राष्ट्रीय शहरी नवीकरण मिशन  
(JNNURM) का शुभारंभ कब किया गया ?

**Options :**

40503634107. 1970 में

40503634108. 1975 में

40503634109. 2005 में

40503634110. 2010 में

**Question Number : 81 Question Id : 4050369385 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following does not involve community participation ?

**Options :**

- 40503634111. Demarcation of dense forests
- 40503634112. Urban Basic Services for the poor
- 40503634113. Joint Forest Management
- 40503634114. Beej Bachao Andolan

**Question Number : 81 Question Id : 4050369385 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

निम्न में से किस में समुदाय सहभागिता सम्मिलित नहीं है?

**Options :**

- 40503634111. घने जंगलों का सीमांकन
- 40503634112. गरीबों के लिए शहरी मूलभूत सेवाएं
- 40503634113. संयुक्त वन प्रबंधन
- 40503634114. बीज बचाओ आंदोलन

**Question Number : 82 Question Id : 4050369386 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Out of Mohenjo-daro, Harappa, Lothal and Dholavira, which of the following cities were laid out on grid pattern ?

**Options :**

40503634115. Mohenjo-daro and Harappa

40503634116. Mohenjo-daro, Harappa and Dholavira

40503634117. Harappa and Lothal

40503634118. Mohenjo-daro, Harappa, Dholavira and Lothal

**Question Number : 82 Question Id : 4050369386 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

मोहनजो-दाड़ो, हड़प्पा, लोथल तथा धोलावीरा में से किन शहरों को ग्रिड पैटर्न पर बनाया गया ?

**Options :**

40503634115. मोहनजो-दाड़ो तथा हड़प्पा

40503634116. मोहनजो-दाड़ो, हड़प्पा तथा धोलावीरा

40503634117. हड़प्पा तथा लोथल

40503634118. मोहनजो-दाड़ो, हड़प्पा, धोलावीरा तथा लोथल

**Question Number : 83 Question Id : 4050369387 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

What is the full form of IOT ?

**Options :**

40503634119. International Organisation for Trade

40503634120. Internet of Tweets

40503634121. Interest on Transactions

40503634122. Internet of Things

**Question Number : 83 Question Id : 4050369387 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

IOT का पूरा नाम (full form) क्या है?

**Options :**

40503634119. International Organisation for Trade

40503634120. Internet of Tweets

40503634121. Interest on Transactions

40503634122. Internet of Things

**Question Number : 84 Question Id : 4050369388 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The Second United Nations Conference on 'Human Settlements Habitat II' was held in :

**Options :**

40503634123. Vancouver

40503634124. Kyoto

40503634125. Istanbul

40503634126. Quito

**Question Number : 84 Question Id : 4050369388 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

'ह्यूमन सेटलमेंट्स हैबिटेट् II' पर दूसरा संयुक्त राष्ट्र सम्मेलन किस शहर में आयोजित किया गया था ?

**Options :**

40503634123. वैंकूवर

40503634124. क्योटो

40503634125. इस्तान्बुल

40503634126. क्विटो

**Question Number : 85 Question Id : 4050369389 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The first Sub-urban Railway line in India started its operation in :

**Options :**

40503634127. 1857

40503634128. 1984

40503634129. 1901

40503634130. 1837

**Question Number : 85 Question Id : 4050369389 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

भारत में पहली उपनगरीय रेल लाइन का संचालन किस वर्ष शुरू हुआ ?

**Options :**

40503634127. 1857

40503634128. 1984

40503634129. 1901

40503634130. 1837

**Question Number : 86 Question Id : 4050369390 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which of the following cities is not planned on a grid pattern ?

**Options :**

40503634131. Washington DC

40503634132. Amsterdam

40503634133. Barcelona

40503634134. New York

**Question Number : 86 Question Id : 4050369390 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

निम्न शहरों में से कौन सा ग्रिड पैटर्न पर नहीं बनाया गया ?

**Options :**



40503634131. वाशिंगटन डी.सी.

40503634132. एम्स्टर्डम

40503634133. बार्सिलोना

40503634134. न्यूयॉर्क

**Question Number : 87 Question Id : 4050369391 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The largest source of water pollution in India is due to :

**Options :**

40503634135. Small Scale Industries

40503634136. Agricultural Run-off

40503634137. Untreated Sewage

40503634138. Large Scale Industries

**Question Number : 87 Question Id : 4050369391 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

भारत में जल प्रदूषण का सबसे बड़ा स्रोत है :

**Options :**

40503634135. लघु उद्योग

40503634136. कृषि अपवाह

40503634137. अनुपचारित सीवेज

40503634138. बड़े उद्योग

**Question Number : 88 Question Id : 4050369392 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

What is indicated by a contour line on a topographical map ?

**Options :**

40503634139. Height

40503634140. Administrative Boundary

40503634141. Vegetation

40503634142. Water Body

**Question Number : 88 Question Id : 4050369392 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

एक स्थलाकृतिक (topographical) नक्शे पर समोच्च (contour) रेखा क्या दर्शाती है?

**Options :**

40503634139. ऊँचाई

40503634140. प्रशासनिक सीमा

40503634141. वनस्पतियाँ

40503634142. जल स्रोत

**Question Number : 89 Question Id : 4050369393 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The ratio that shows a relationship between the distance on a map and the actual distance on ground is known as :

**Options :**

40503634143. Direction

40503634144. Key map

40503634145. Scale

40503634146. Isotherm

**Question Number : 89 Question Id : 4050369393 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

वह अनुपात, जो नक्शे पर दूरी तथा धरातल पर वास्तविक दूरी के बीच एक सम्बंध को दिखाता है, निम्न में से किस से जाना जाता है?

**Options :**

40503634143. दिशा

40503634144. निर्देश मानचित्र

40503634145. स्केल

40503634146. समताप

**Question Number : 90 Question Id : 4050369394 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Find the correct match :

(P) Dhanbad	(I) Textile
(Q) Kandla	(II) Mining
(R) Bokaro	(III) Port
(S) Surat	(IV) Steel Industry

**Options :**

40503634147. (P)-(II), (Q)-(I), (R)-(III), (S)-(IV)

40503634148. (P)-(I), (Q)-(III), (R)-(II), (S)-(IV)

40503634149. (P)-(III), (Q)-(II), (R)-(IV), (S)-(I)

40503634150. (P)-(II), (Q)-(III), (R)-(IV), (S)-(I)

**Question Number : 90 Question Id : 4050369394 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

सही मिलान ज्ञात कीजिए :

- |            |                   |
|------------|-------------------|
| (P) धनवाद  | (I) कपड़ा         |
| (Q) कांडला | (II) खनन          |
| (R) बोकारो | (III) बंदरगाह     |
| (S) सूरत   | (IV) स्टील उद्योग |

**Options :**

40503634147. (P)-(II), (Q)-(I), (R)-(III), (S)-(IV)

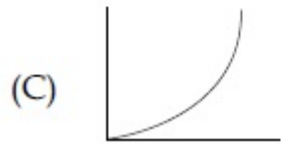
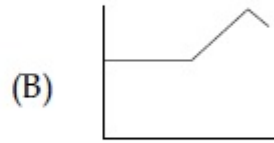
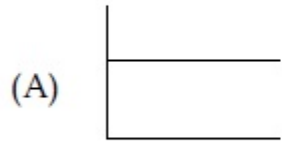
40503634148. (P)-(I), (Q)-(III), (R)-(II), (S)-(IV)

40503634149. (P)-(III), (Q)-(II), (R)-(IV), (S)-(I)

40503634150. (P)-(II), (Q)-(III), (R)-(IV), (S)-(I)

**Question Number : 91 Question Id : 4050369395 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Select the indicative graph that best fits the Statement : "Car prices rose steadily, dropped a little and are now holding steady".



Options :

40503634151. (A)

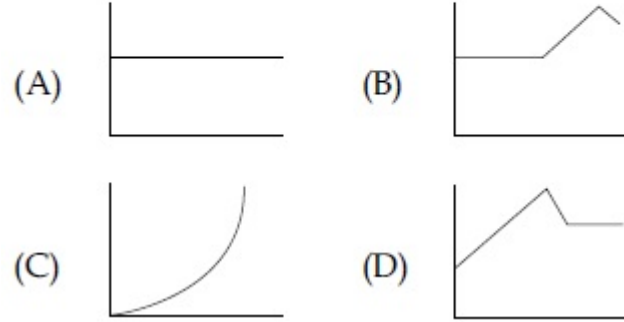
40503634152. (B)

40503634153. (D)

40503634154. Both (C) and (D)

Question Number : 91 Question Id : 4050369395 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

कथन “कार की कीमतें नियमित रूप से बढ़ी, थोड़ा कम हुई तथा अब स्थिर हैं” पर सबसे अधिक फिट होने वाले सांकेतिक लेखाचित्र को चुनिए :



Options :

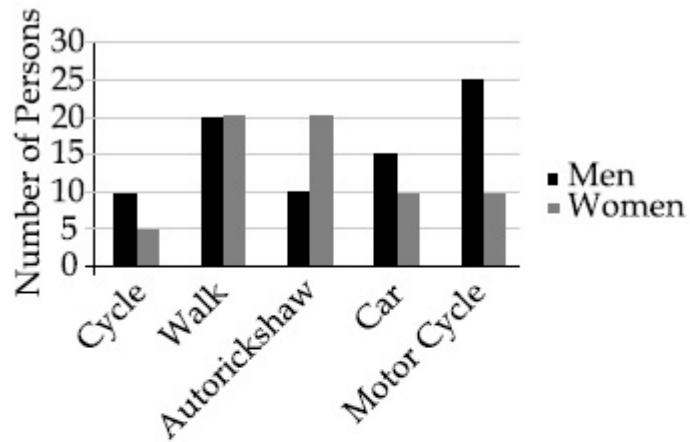
40503634151. (A)

40503634152. (B)

40503634153. (D)

40503634154. (C) तथा (D) दोनों

Question Number : 92 Question Id : 4050369396 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1



The diagram above shows the number of men and women using different modes of transport to commute to their work place.

Which of these statements is the correct answer ?

**Options :**

40503634155. 50% of all those who cycle to their work places are women

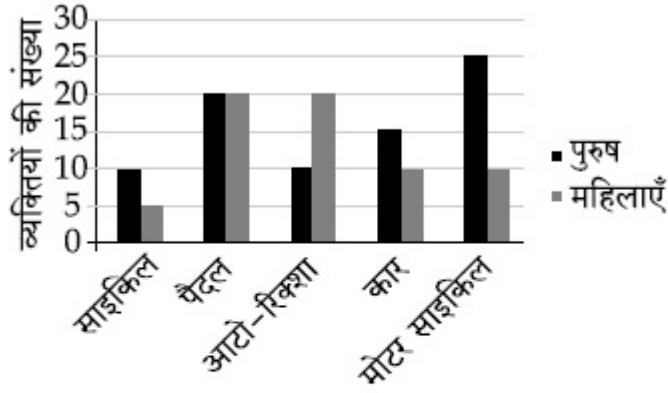
40503634156. More men compared to women use auto-rickshaw for commuting to work place

40503634157. More women compared to men cycle to their work place

40503634158. The highest share of persons walk to their work place



Question Number : 92 Question Id : 4050369396 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1



उपरोक्त आरेख परिवहन के भिन्न तरीकों से अपने कार्य स्थल पर जाने वाले पुरुषों तथा महिलाओं की संख्या दिखाता है।

इन कथनों में से कौन सा सही उत्तर है?

Options :

40503634155. उन सभी, जो साइकिल से अपने कार्य स्थल पर जाते हैं, का 50% महिलाएँ हैं।

40503634156. कार्य स्थल पर जाने के लिए महिलाओं की तुलना में अधिक पुरुष आटो-रिक्शा का इस्तेमाल करते हैं।

40503634157. पुरुषों की तुलना में अधिक महिलाएँ साइकिल से अपने कार्य स्थल पर जाती हैं।





व्यक्तियों का सबसे अधिक भाग अपने कार्य  
स्थल पर पैदल जाता है।

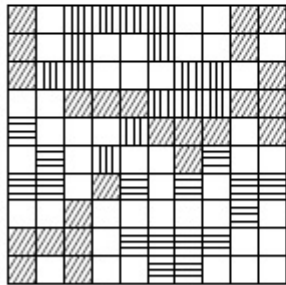
40503634158.

**Question Number : 93 Question Id : 4050369397 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is  
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

One site is divided into  $10 \times 10$  units as  
shown in the figure. It has following  
classification of land area.

- (A) Waste land 
- (B) Forest land 
- (C) Agriculture land 
- (D) Unused land 



Which of the following classification has  
the highest amount of land ?

**Options :**

40503634159. Waste land





40503634160. Forest land

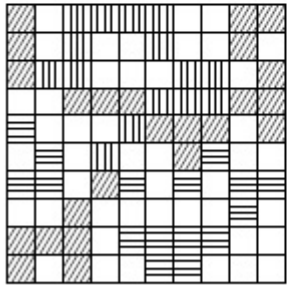
40503634161. Agriculture land

40503634162. Unused land

Question Number : 93 Question Id : 4050369397 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

लेखाचित्र में दर्शाए अनुसार एक साइट को  $10 \times 10$  इकाइयों में विभाजित किया गया है। भूमि क्षेत्र का वर्गीकरण निम्न है :

- (A) बंजर भूमि 
- (B) जंगल भूमि 
- (C) कृषि भूमि 
- (D) अप्रयुक्त भूमि 



निम्न दिए किस वर्गीकरण में सबसे अधिक भूमि है।

Options :

40503634159. बंजर भूमि

40503634160. जंगल भूमि

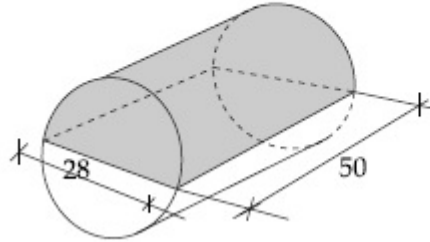
40503634161. कृषि भूमि

40503634162. अप्रयुक्त भूमि

**Question Number : 94 Question Id : 4050369398 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

In the given figure the volume of the shaded portion is :



**Options :**

40503634163. 46,200

40503634164. 30,800

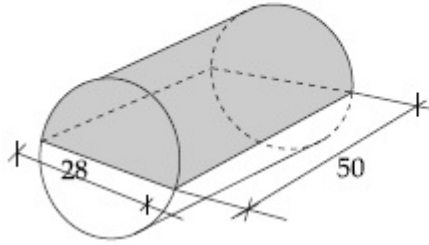
40503634165. 15,400

40503634166. 7,700

**Question Number : 94 Question Id : 4050369398 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

दिए गए रेखाचित्र में छायांकित भाग का आयतन है :



Options :

40503634163. 46,200

40503634164. 30,800

40503634165. 15,400

40503634166. 7,700

Question Number : 95 Question Id : 4050369399 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Following table gives the number of families according to family size. What is the average family size ? (Rounded off to one decimal)

S.No.	Family size (persons)	No. of families
1.	3	300
2.	4	200
3.	5	400
4.	6	400

**Options :**

40503634167. 4.5

40503634168. 4.7

40503634169. 4.9

40503634170. 5.0

**Question Number : 95 Question Id : 4050369399 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

परिवार के आकार के अनुसार परिवारों की संख्या निम्न सारणी में दी गई है। औसत परिवार आकार क्या है?  
(एक दशमलव स्थान तक शुद्ध)

क्रम सं.	परिवार आकार (व्यक्ति)	परिवारों की संख्या
1.	3	300
2.	4	200
3.	5	400
4.	6	400

**Options :**

40503634167. 4.5

40503634168. 4.7

40503634169. 4.9

40503634170. 5.0

**Question Number : 96 Question Id : 4050369400 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Read the given passage and answer the question.

The United Nations (UN) has warned that the global consumption of natural resources could triple to 140 billion tons a year by 2050 unless consumer nations take drastic steps. The UN environment panel called on governments to 'decouple' economic growth from the rapid rate of natural resource consumption. It said the world is already running out of some essential materials including oil, copper and gold, which in turn, will need rising volumes of fuel and water. Decoupling involves transition to a low-carbon, resource efficient green economy that stimulates growth in a way to keep humanity's footprint within planetary.

The term 'decoupling' here would entail :

**Options :**

40503634171. Birth control measures to reduce resource consumption

40503634172. Production of cheap materials

40503634173. Talk less and work more



Promoting growth that stresses on reducing the rate of consumption of natural resources

40503634174.

**Question Number : 96 Question Id : 4050369400 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

**Read the given passage and answer the question.**

The United Nations (UN) has warned that the global consumption of natural resources could triple to 140 billion tons a year by 2050 unless consumer nations take drastic steps. The UN environment panel called on governments to 'decouple' economic growth from the rapid rate of natural resource consumption. It said the world is already running out of some essential materials including oil, copper and gold, which in turn, will need rising volumes of fuel and water. Decoupling involves transition to a low-carbon, resource efficient green economy that stimulates growth in a way to keep humanity's footprint within planetary.

The term 'decoupling' here would entail :

**Options :**

Birth control measures to reduce resource consumption

40503634171.



40503634172. Production of cheap materials

40503634173. Talk less and work more

Promoting growth that stresses on  
reducing the rate of consumption of  
natural resources

40503634174.

**Question Number : 97 Question Id : 4050369401 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

**Read the given passage and answer the question.**

The United Nations (UN) has warned that the global consumption of natural resources could triple to 140 billion tons a year by 2050 unless consumer nations take drastic steps. The UN environment panel called on governments to 'decouple' economic growth from the rapid rate of natural resource consumption. It said the world is already running out of some essential materials including oil, copper and gold, which in turn, will need rising volumes of fuel and water. Decoupling involves transition to a low-carbon, resource efficient green economy that stimulates growth in a way to keep humanity's footprint within planetary.

**Identify the correct statement :**

**Options :**

40503634175. 140 billion tons of natural resources will be consumed till the end of 2050

40503634176. Green economy refers to an economy that is based on forest resources

40503634177. Green economy refers to an economy that produces at lower carbon footprint and is resource efficient

40503634178. The UN has asked governments to reduce their economic growth

**Question Number : 97 Question Id : 4050369401 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

**Read the given passage and answer the question.**

The United Nations (UN) has warned that the global consumption of natural resources could triple to 140 billion tons a year by 2050 unless consumer nations take drastic steps. The UN environment panel called on governments to 'decouple' economic growth from the rapid rate of natural resource consumption. It said the world is already running out of some essential materials including oil, copper and gold, which in turn, will need rising volumes of fuel and water. Decoupling involves transition to a low-carbon, resource efficient green economy that stimulates growth in a way to keep humanity's footprint within planetary.

Identify the correct statement :

**Options :**

40503634175. 140 billion tons of natural resources will be consumed till the end of 2050

40503634176. Green economy refers to an economy that is based on forest resources

40503634177. Green economy refers to an economy that produces at lower carbon footprint and is resource efficient

40503634178. The UN has asked governments to reduce their economic growth

**Question Number : 98 Question Id : 4050369402 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Statement : The citizens of Narbhada city are facing water shortage.

Given are the two courses of action available to the Municipal corporation.

- (I) The Municipal Corporation of Narbhada should immediately take action to prevent all water leakages and theft.
- (II) The Municipal Corporation of Narbhada should cut the water supply to its residents by half.

Which of the following options is most appropriate ?

**Options :**

40503634179. only (I)

40503634180. only (II)

40503634181. both (I) and (II)

40503634182. neither (I) nor (II)

**Question Number : 98 Question Id : 4050369402 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

कथन : नर्भदा शहर के लोग पानी की कमी का सामना कर रहे हैं।

नगर निगम के पास दो कार्यवाहियाँ उपलब्ध हैं।

- (I) नर्भदा के नगर निगम को पानी रिसने तथा चोरी को तुरंत रोकने के लिए कार्यवाही करनी चाहिए।
- (II) नर्भदा के नगर निगम को अपने निवासियों की जलापूर्ति आधी कर देनी चाहिए।

निम्न में से कौन सा विकल्प सबसे उचित है?

**Options :**

40503634179. केवल (I)

40503634180. केवल (II)

40503634181. (I) तथा (II) दोनों

40503634182. न तो (I) न ही (II)

**Question Number : 99 Question Id : 4050369403 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

In a survey taken for household income in an area, mean annual income of the households came to be Rs 10.0 lakh and the median income was Rs 4.0 lakh per annum. Which of the following statement will explain the difference between mean and median income of the households ?



**Options :**

40503634183. more than 50% of the households have income around 10.0 lakh

40503634184. more than 50% of the households have income much higher than 10.0 lakh

40503634185. few households have income much higher than 10.0 lakh

40503634186. most of the households have income between 4.0 lakh to 10.0 lakh

**Question Number : 99 Question Id : 4050369403 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

एक क्षेत्र में परिवारों की आय के लिए किए गए एक सर्वेक्षण में परिवारों की वार्षिक आय का माध्य रु. 10.0 लाख आया तथा आय की माध्यिका 4.0 लाख प्रति वर्ष थी। निम्न कथनों में से कौन सा परिवारों की आय के माध्य तथा माध्यिका का अन्तर स्पष्ट करता है?

**Options :**

40503634183. 50% से अधिक परिवारों की आय लगभग 10.0 लाख है।

40503634184. 50% से अधिक परिवारों की आय 10.0 लाख से बहुत अधिक है।

40503634185. कुछ ही परिवारों की आय 10.0 लाख से बहुत अधिक है।

40503634186. अधिकतर परिवारों की आय 4.0 लाख तथा 10.0 लाख के बीच है।

**Question Number : 100 Question Id : 4050369404 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

**Statement I :**

Sustainable development means development that takes place without causing damage to the environment.

**Statement II :**

Sustainable development means development that meets the needs of the present without compromising the needs of the future generation.

Which of these is correct ?

**Options :**

40503634187. Statement (I) only

40503634188. Statement (II) only

40503634189. Both statements (I) and (II)

40503634190. Neither statement (I) nor (II)

**Question Number : 100 Question Id : 4050369404 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

**कथन I :**

सतत विकास (Sustainable development) का अर्थ वह विकास है जो पर्यावरण को नुकसान पहुँचाये बिना होता है।

**कथन II :**

सतत विकास का अर्थ वह विकास है जो भविष्य की पीढ़ी की आवश्यकताओं को संकट में डाले बिना वर्तमान की आवश्यकताओं को पूरा करता है।

इनमें से कौन सा सही है?

**Options :**

40503634187. केवल कथन (I)

40503634188. केवल कथन (II)

40503634189. कथन (I) तथा (II) दोनों

40503634190. न तो कथन (I) न ही कथन (II)