

National Testing Agency

Question Paper Name :	B PLANNING AND B ARCH E 1st Sep 2020 Shift 2
Subject Name :	B PLANNING AND B ARCH E
Creation Date :	2020-09-01 22:08:50
Duration :	210
Total Marks :	500
Display Marks:	Yes
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	Yes

B PLANNING AND B ARCH

Group Number :	1
Group Id :	405036100
Group Maximum Duration :	0
Group Minimum Duration :	210
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	500
Is this Group for Examiner? :	No

Mathematics

Section Id :	405036338
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	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 :	405036673
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 4050369405 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 :

40503634191. $R^{-1} = R$, where R^{-1} is the inverse of R .
40503634192. Range of R is A .
40503634193. R is reflexive and symmetric.
40503634194. R is symmetric and transitive.

Question Number : 1 Question Id : 4050369405 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 :

40503634191. $R^{-1} = R$, जहाँ R^{-1} , R का प्रतिलोम (inverse) है।
40503634192. R का परिसर A है।
40503634193. R स्वतुल्य तथा सममित है।
40503634194. R सममित तथा संक्रामक है।

Question Number : 2 Question Id : 4050369406 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

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

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

Options :

40503634195. a circle with radius $= 2\sqrt{3}$
40503634196. a circle with centre at $(\sqrt{3}, 0)$

40503634197. a circle with centre at $(0, 2\sqrt{3})$ and radius 3

40503634198. an ellipse with length of its minor axis = 3

Question Number : 2 Question Id : 4050369406 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 :

40503634195. एक वृत्त जिसकी त्रिज्या $2\sqrt{3}$ है।

40503634196. एक वृत्त जिसका केन्द्र $(\sqrt{3}, 0)$ है।

40503634197. एक वृत्त जिसका केन्द्र $(0, 2\sqrt{3})$ तथा त्रिज्या 3 है।

40503634198. एक दीर्घवृत्त जिसके लघु अक्ष की लम्बाई 3 है।

Question Number : 3 Question Id : 4050369407 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 :

40503634199. both roots in $(-3, 0)$

40503634200. one root in $(0, 2)$ and another root in
 $(-2, 0)$

40503634201. one root in $[2, 3)$ and another root in
 $(-2, 0)$

40503634202. one root in $(-3, -2)$ and another root
in $(0, 2]$

Question Number : 3 Question Id : 4050369407 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 :

40503634199. के दोनों मूल $(-3, 0)$ में हैं।

40503634200. का एक मूल $(0, 2)$ में तथा दूसरा मूल $(-2, 0)$ में है।

40503634201. का एक मूल $[2, 3)$ में तथा दूसरा मूल $(-2, 0)$ में है।

40503634202. का एक मूल $(-3, -2)$ में तथा दूसरा मूल $(0, 2]$ में है।

Question Number : 4 Question Id : 4050369408 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 :

40503634203. 2

40503634204. -2

40503634205. 4

40503634206. -4

Question Number : 4 Question Id : 4050369408 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 :

40503634203. 2

40503634204. -2

40503634205. 4

40503634206. -4

Question Number : 5 Question Id : 4050369409 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 :

40503634207. (48)th

40503634208. (49)th

40503634209. (50)th

40503634210. (51)th

Question Number : 5 Question Id : 4050369409 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 :

40503634207. (48) वां

40503634208. (49) वां

40503634209. (50) वां

40503634210. (51) वां

Question Number : 6 Question Id : 4050369410 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 :

40503634211. $-\frac{5}{8}$

40503634212. $\frac{17}{24}$

40503634213. $-\frac{11}{24}$

40503634214. $\frac{5}{8}$

Question Number : 6 Question Id : 4050369410 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 :

40503634211. $-\frac{5}{8}$

40503634212. $\frac{17}{24}$

40503634213. $-\frac{11}{24}$

40503634214. $\frac{5}{8}$

Question Number : 7 Question Id : 4050369411 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 :

40503634215. 5

40503634216. 4

40503634217. 3

40503634218. 2

Question Number : 7 Question Id : 4050369411 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 :

40503634215. 5

40503634216. 4

40503634217. 3

40503634218. 2

Question Number : 8 Question Id : 4050369412 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 :

40503634219. $-\frac{55}{2}$

40503634220. $\frac{275}{2}$

40503634221. $-\frac{55}{4}$

40503634222. $\frac{225}{4}$

Question Number : 8 Question Id : 4050369412 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 :

40503634219. $-\frac{55}{2}$

40503634220. $\frac{275}{2}$

40503634221. $-\frac{55}{4}$

40503634222. $\frac{225}{4}$

Question Number : 9 Question Id : 4050369413 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 :

40503634223. $\sqrt{5} : 3$

40503634224. $3 : \sqrt{5}$

40503634225. $\sqrt{5} : \sqrt{3}$

40503634226. $3 : 1$

Question Number : 9 Question Id : 4050369413 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 :

40503634223. $\sqrt{5} : 3$

40503634224. $3 : \sqrt{5}$

40503634225. $\sqrt{5} : \sqrt{3}$

40503634226. $3 : 1$

Question Number : 10 Question Id : 4050369414 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 :

40503634227. no critical point.

40503634228. a point of local maxima and a point of local minima.

40503634229. a point of local maxima and a point of inflection.

40503634230. a point of local minima and a point of inflection.

Question Number : 10 Question Id : 4050369414 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 :

40503634227. कोई क्रान्तिक बिन्दु नहीं है।

40503634228. एक बिन्दु स्थानीय उच्चिष्ठ है तथा एक बिन्दु स्थानीय निम्निष्ठ है।

40503634229. एक बिन्दु स्थानीय उच्चिष्ठ है तथा एक नतिपरिवर्तन बिन्दु है।

40503634230. एक बिन्दु स्थानीय निम्निष्ठ है तथा एक नतिपरिवर्तन बिन्दु है।

Question Number : 11 Question Id : 4050369415 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 :

40503634231. $\frac{1}{5} \log_e \left| \frac{\cos^5 \theta}{\sin^5 \theta + \cos^5 \theta} \right| + C$

40503634232. $\frac{1}{24} \log_e \left(\frac{\sin^6 \theta}{\sin^6 \theta + \cos^6 \theta} \right) + C$

40503634233. $\frac{1}{20} \log_e \left| \frac{\sin^5 \theta}{\sin^5 \theta + \cos^5 \theta} \right| + C$

40503634234. $\frac{1}{6} \log_e \left(\frac{\cos^6 \theta}{\sin^6 \theta + \cos^6 \theta} \right) + C$

Question Number : 11 Question Id : 4050369415 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 :

40503634231. $\frac{1}{5} \log_e \left| \frac{\cos^5 \theta}{\sin^5 \theta + \cos^5 \theta} \right| + C$

40503634232. $\frac{1}{24} \log_e \left(\frac{\sin^6 \theta}{\sin^6 \theta + \cos^6 \theta} \right) + C$

40503634233. $\frac{1}{20} \log_e \left| \frac{\sin^5 \theta}{\sin^5 \theta + \cos^5 \theta} \right| + C$

40503634234. $\frac{1}{6} \log_e \left(\frac{\cos^6 \theta}{\sin^6 \theta + \cos^6 \theta} \right) + C$

Question Number : 12 Question Id : 4050369416 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 :

40503634235. $\frac{11}{12}$

40503634236. $\frac{13}{24}$

40503634237. $\frac{9}{8}$

40503634238. $\frac{5}{4}$

Question Number : 12 Question Id : 4050369416 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 :

40503634235. $\frac{11}{12}$

40503634236. $\frac{13}{24}$

40503634237. $\frac{9}{8}$

40503634238. $\frac{5}{4}$

Question Number : 13 Question Id : 4050369417 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 :

40503634239. $\frac{e^2 - 1}{2}$

40503634240. $\frac{e^2 + 1}{2}$

40503634241. $e^2 - 1$

40503634242. $e^2 + 1$

Question Number : 13 Question Id : 4050369417 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 :

40503634239. $\frac{e^2 - 1}{2}$

40503634240. $\frac{e^2 + 1}{2}$

40503634241. $e^2 - 1$

40503634242. $e^2 + 1$

Question Number : 14 Question Id : 4050369418 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

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

Options :

40503634243. $\frac{4}{3}$

40503634244. $-\frac{4}{3}$

40503634245. $\frac{3}{4}$

40503634246. $-\frac{3}{4}$

Question Number : 14 Question Id : 4050369418 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 :

40503634243. $\frac{4}{3}$

40503634244. $-\frac{4}{3}$

40503634245. $\frac{3}{4}$

40503634246. $-\frac{3}{4}$

Question Number : 15 Question Id : 4050369419 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 :

40503634247. $(-2, \sqrt{2})$

40503634248. $(-\sqrt{2}, 2\sqrt{2})$

40503634249. $(2, -2\sqrt{2})$

40503634250. $(-\sqrt{2}, \sqrt{2})$

Question Number : 15 Question Id : 4050369419 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 :

40503634247. $(-2, \sqrt{2})$

40503634248. $(-\sqrt{2}, 2\sqrt{2})$

40503634249. $(2, -2\sqrt{2})$

40503634250. $(-\sqrt{2}, \sqrt{2})$

Question Number : 16 Question Id : 4050369420 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 :

40503634251. $\frac{x^2}{7} - \frac{4y^2}{105} = \frac{1}{4}$

40503634252. $\frac{x^2}{7} - \frac{y^2}{105} = \frac{1}{16}$

40503634253. $\frac{x^2}{20} - \frac{y^2}{75} = \frac{1}{16}$

40503634254. $\frac{x^2}{5} - \frac{y^2}{75} = \frac{1}{16}$

Question Number : 16 Question Id : 4050369420 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 :

40503634251. $\frac{x^2}{7} - \frac{4y^2}{105} = \frac{1}{4}$

40503634252. $\frac{x^2}{7} - \frac{y^2}{105} = \frac{1}{16}$

40503634253. $\frac{x^2}{20} - \frac{y^2}{75} = \frac{1}{16}$

40503634254. $\frac{x^2}{5} - \frac{y^2}{75} = \frac{1}{16}$

Question Number : 17 Question Id : 4050369421 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° 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 :

40503634255. $27x - 24y - 26z + 13 = 0$

40503634256. $27x - 24y - 26z - 13 = 0$

40503634257. $31x + 2y - 20z - 13 = 0$

40503634258. $31x - 25y + 29z + 13 = 0$

Question Number : 17 Question Id : 4050369421 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° के कोण पर घुमाया जाता है, तो नयी स्थिति में समतल P का समीकरण है :

Options :

40503634255. $27x - 24y - 26z + 13 = 0$

40503634256. $27x - 24y - 26z - 13 = 0$

40503634257. $31x + 2y - 20z - 13 = 0$

40503634258. $31x - 25y + 29z + 13 = 0$

Question Number : 18 Question Id : 4050369422 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° and 45° , then the minimum length (in m) of the cable is :

Options :

40503634259. $\sqrt{\frac{32\sqrt{3} - 16}{3}}$

40503634260. $\sqrt{\frac{128 - 32\sqrt{3}}{3}}$

40503634261. $\sqrt{\frac{122 - 32\sqrt{3}}{3}}$

40503634262. $\sqrt{\frac{112 - 32\sqrt{3}}{3}}$

Question Number : 18 Question Id : 4050369422 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° तथा 45° हैं तो केबल की न्यूनतम लम्बाई (मी. में) है :

Options :

40503634259. $\sqrt{\frac{32\sqrt{3} - 16}{3}}$

40503634260. $\sqrt{\frac{128 - 32\sqrt{3}}{3}}$

40503634261. $\sqrt{\frac{122 - 32\sqrt{3}}{3}}$

40503634262. $\sqrt{\frac{112 - 32\sqrt{3}}{3}}$

Question Number : 19 Question Id : 4050369423 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 :

40503634263. $\frac{7}{16}$

40503634264. $\frac{13}{16}$

40503634265. $\frac{7}{8}$

40503634266. $\frac{15}{16}$

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 :

40503634263. $\frac{7}{16}$

40503634264. $\frac{13}{16}$

40503634265. $\frac{7}{8}$

40503634266. $\frac{15}{16}$

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 :

40503634267. $(\sim p \vee \sim q) \wedge r$

40503634268. $(p \wedge \sim q) \vee (\sim r)$

40503634269. $(\sim p \vee q) \wedge (\sim r)$

40503634270. $(\sim p \wedge q) \vee r$

Question Number : 20 Question Id : 4050369424 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 :

40503634267. $(\sim p \vee \sim q) \wedge r$

40503634268. $(p \wedge \sim q) \vee (\sim r)$

40503634269. $(\sim p \vee q) \wedge (\sim r)$

40503634270. $(\sim p \wedge q) \vee r$

Sub-Section Number :

2

Sub-Section Id :

405036674

Question Shuffling Allowed :

Yes

Question Number : 21 Question Id : 4050369425 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 :** 4050369425 **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 : 4050369426 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 : 4050369426 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

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

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 :** 4050369427 **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 :** 4050369427 **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 : 4050369428 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 : 4050369428 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 : 4050369429 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 : 4050369429 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

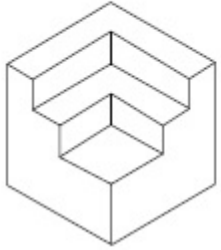
Section Id :	405036339
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	405036675
Question Shuffling Allowed :	Yes

Question Number : 26 Question Id : 4050369430 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

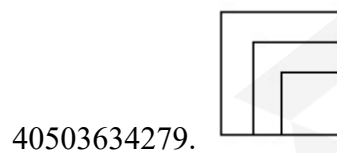
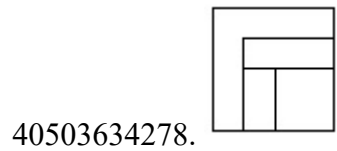
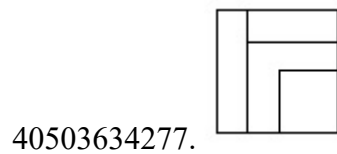
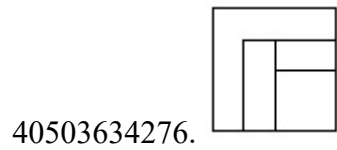
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

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.

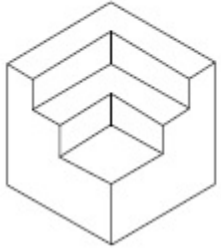


Options :

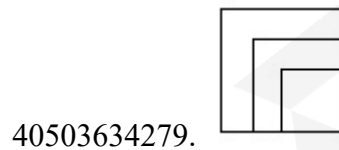
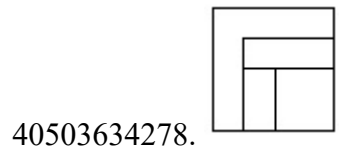
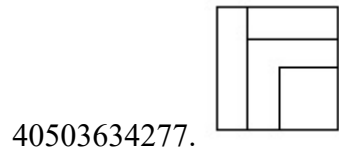
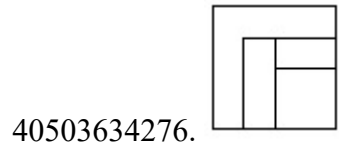


Question Number : 26 Question Id : 4050369430 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

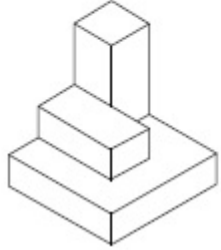


Options :

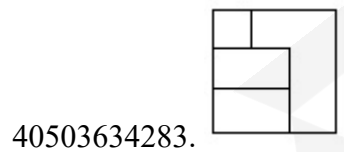
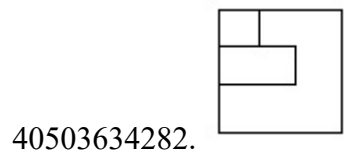
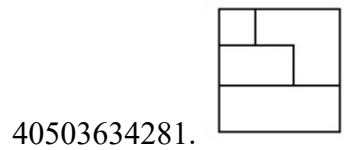
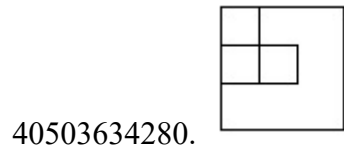


Question Number : 27 Question Id : 4050369431 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

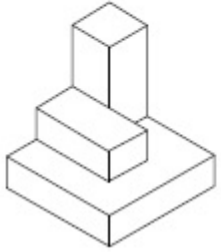


Options :

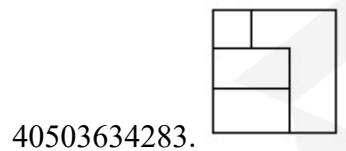
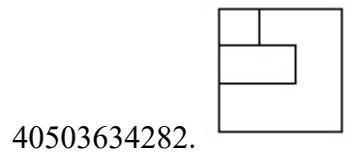
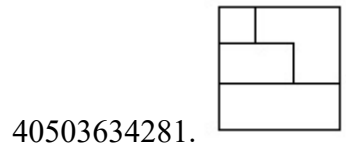
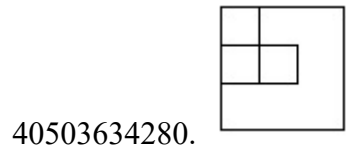


Question Number : 27 Question Id : 4050369431 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

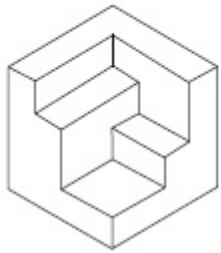


Options :

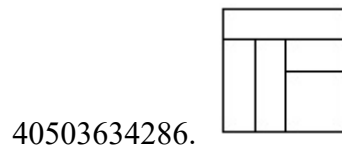
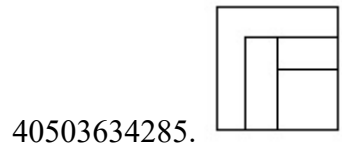
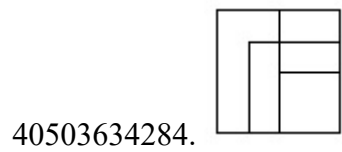


Question Number : 28 Question Id : 4050369432 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

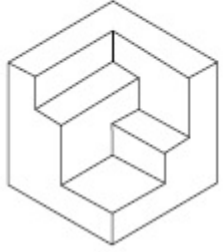


Options :

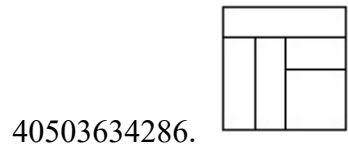
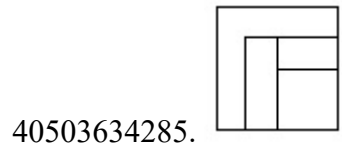
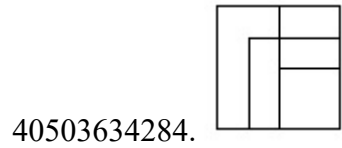


Question Number : 28 Question Id : 4050369432 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

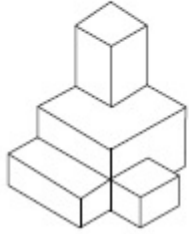


Options :

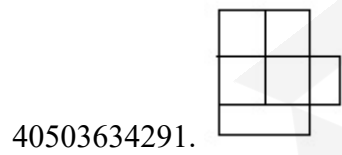
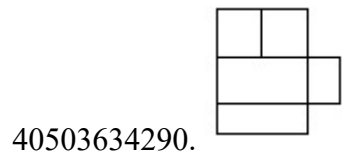
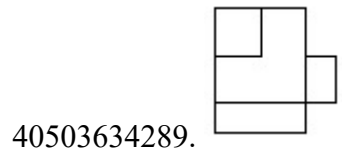
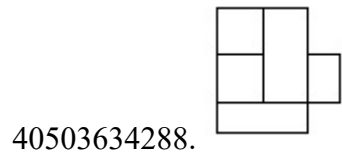


Question Number : 29 Question Id : 4050369433 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

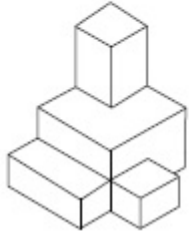


Options :

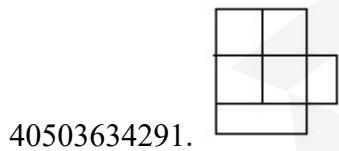
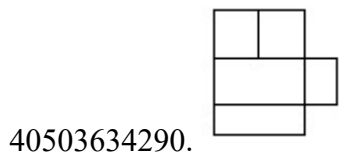
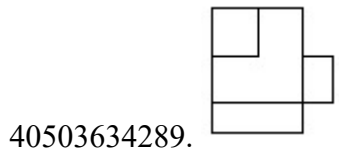
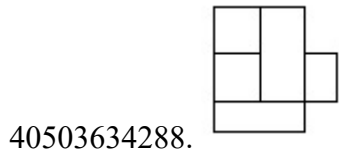


Question Number : 29 Question Id : 4050369433 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

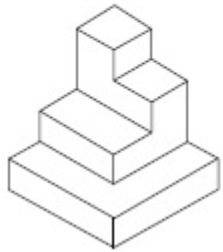


Options :

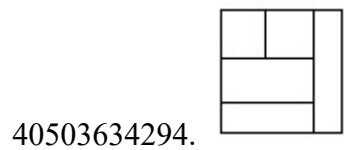
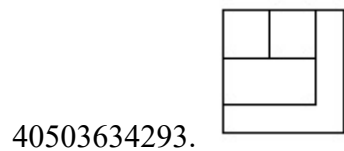
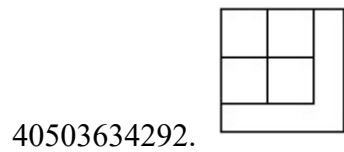


Question Number : 30 Question Id : 4050369434 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

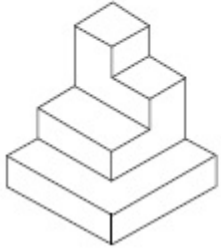


Options :

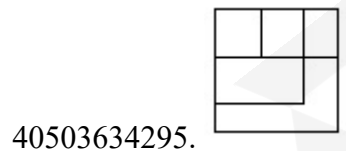
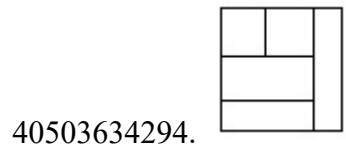
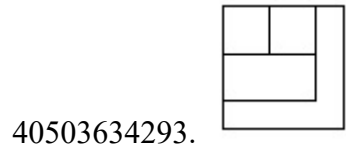
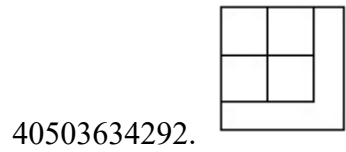


Question Number : 30 Question Id : 4050369434 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

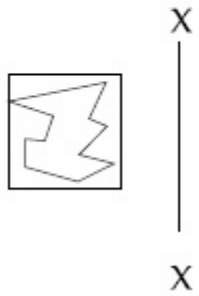


Options :

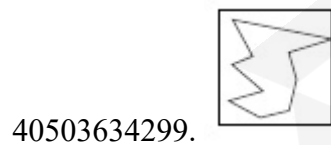
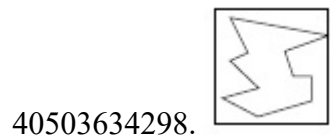
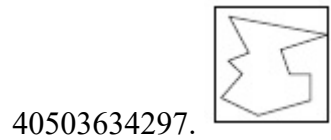
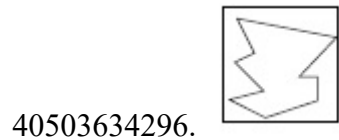


Question Number : 31 Question Id : 4050369435 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

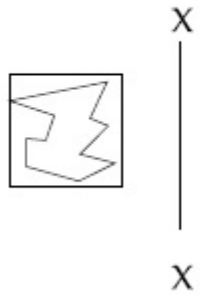


Options :

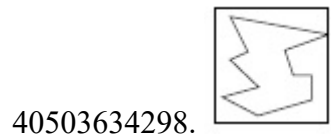
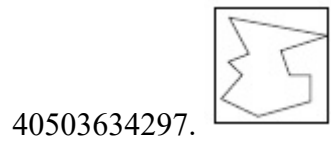
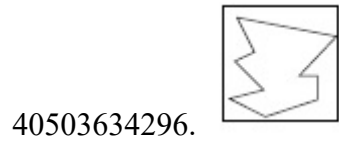


Question Number : 31 Question Id : 4050369435 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

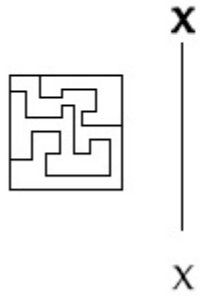


Options :

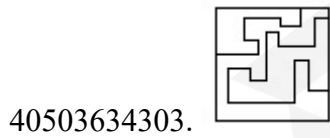
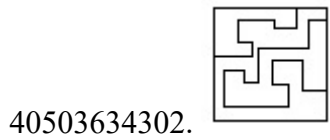
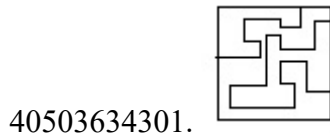
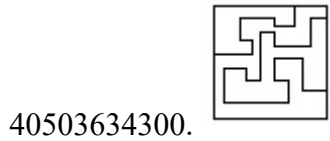


Question Number : 32 Question Id : 4050369436 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

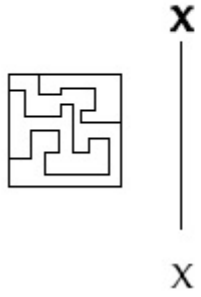


Options :

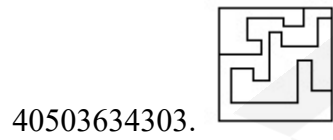
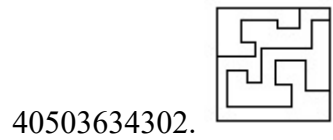
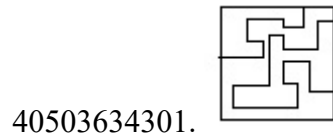
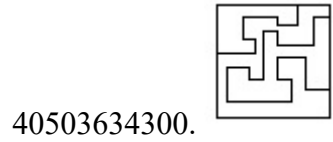


Question Number : 32 Question Id : 4050369436 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

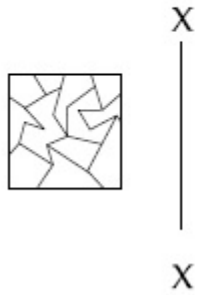


Options :

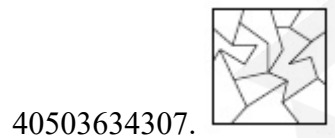
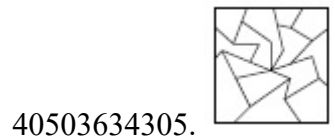
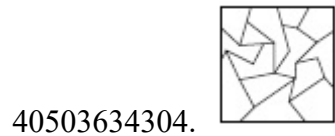


Question Number : 33 Question Id : 4050369437 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

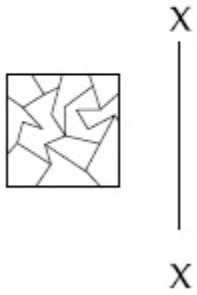


Options :

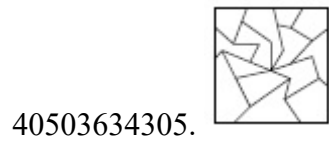
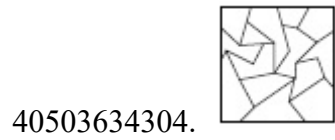


Question Number : 33 Question Id : 4050369437 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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



Options :

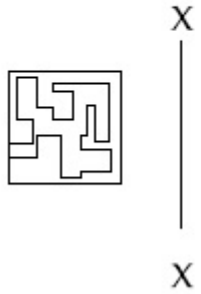


Question Number : 34 Question Id : 4050369438 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

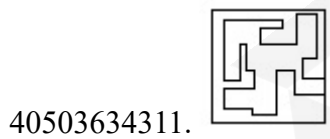
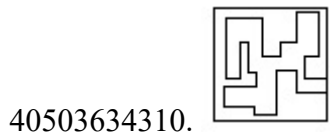
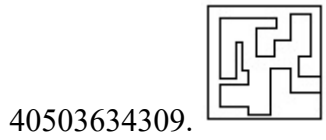
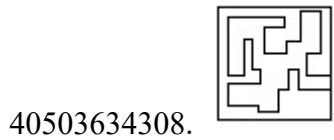
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

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?

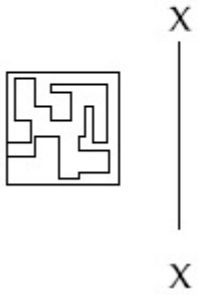


Options :

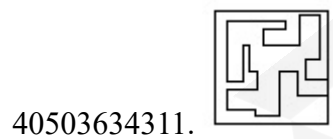
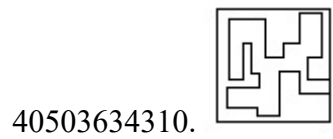
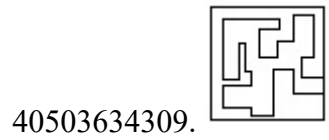
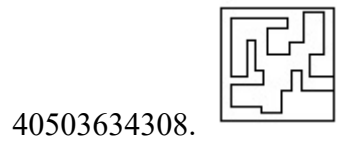


Question Number : 34 Question Id : 4050369438 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

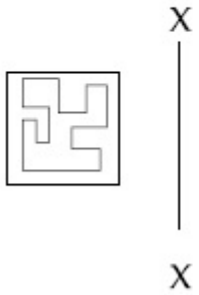


Options :

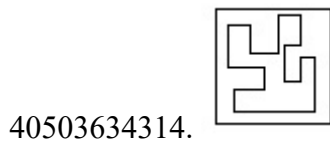
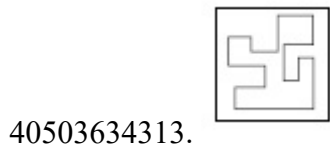
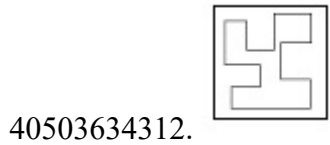


Question Number : 35 Question Id : 4050369439 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

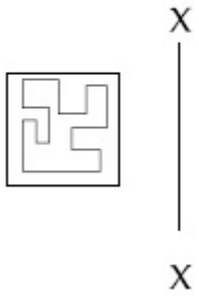


Options :

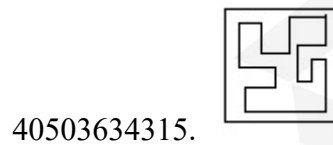
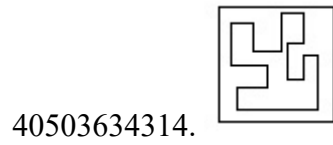
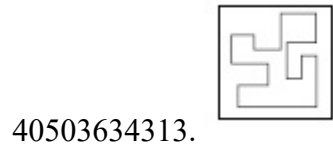
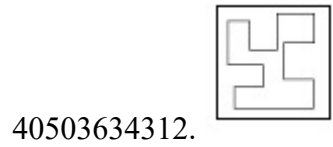


Question Number : 35 Question Id : 4050369439 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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



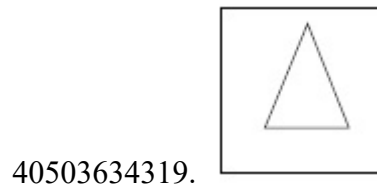
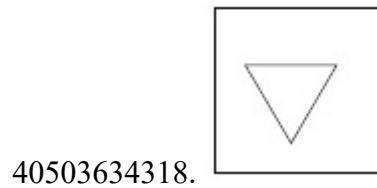
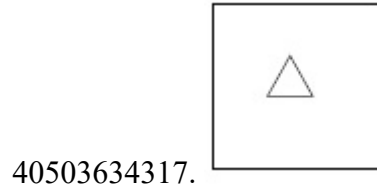
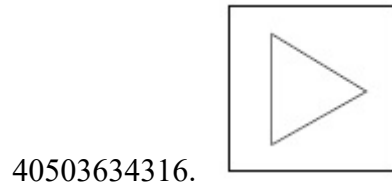
Options :



Question Number : 36 Question Id : 4050369440 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 :



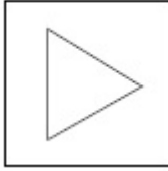
Question Number : 36 Question Id : 4050369440 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

Options :

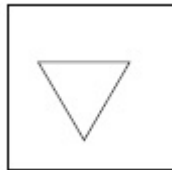
40503634316.



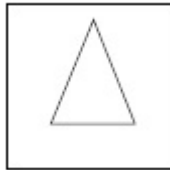
40503634317.



40503634318.



40503634319.



Question Number : 37 Question Id : 4050369441 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

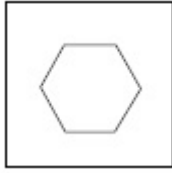
Find the odd figure out of the problem figures given below.

Options :

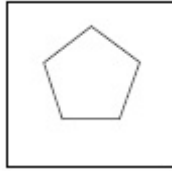
40503634320.



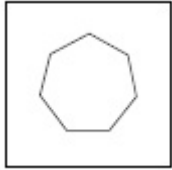
40503634321.



40503634322.



40503634323.



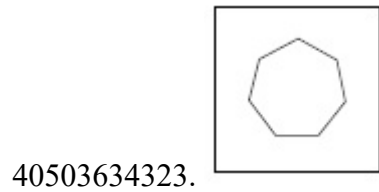
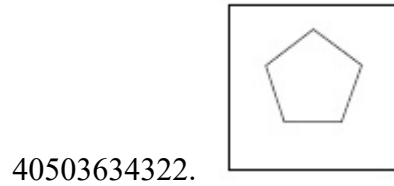
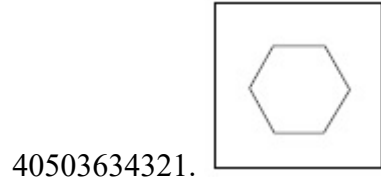
Question Number : 37 Question Id : 4050369441 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

Options :

40503634320.

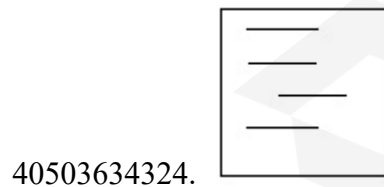




Question Number : 38 Question Id : 4050369442 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

Options :



40503634325.

40503634326.

40503634327.

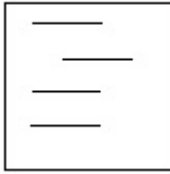
Question Number : 38 Question Id : 4050369442 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

Options :

40503634324.

40503634325.



40503634326.



40503634327.

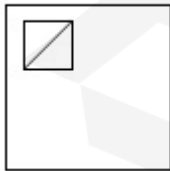


Question Number : 39 Question Id : 4050369443 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

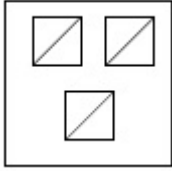
Find the odd figure out of the problem figures given below.

Options :

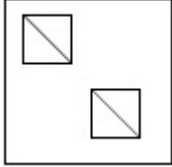
40503634328.



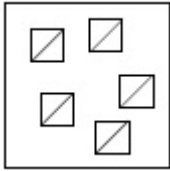
40503634329.



40503634330.



40503634331.



Question Number : 39 Question Id : 4050369443 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

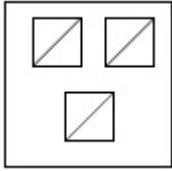
नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

Options :

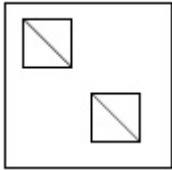
40503634328.



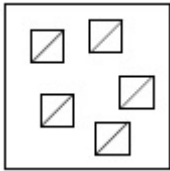
40503634329.



40503634330.



40503634331.



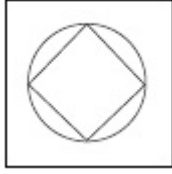
Question Number : 40 Question Id : 4050369444 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

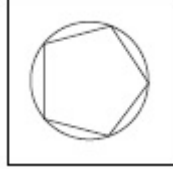
Options :

40503634332.

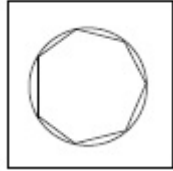




40503634333.



40503634334.



40503634335.

Question Number : 40 Question Id : 4050369444 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

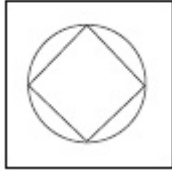
नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

Options :

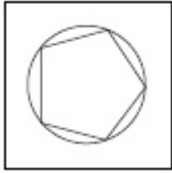


40503634332.

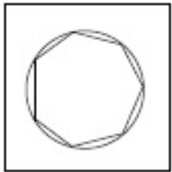
40503634333.



40503634334.

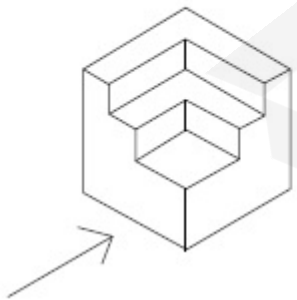


40503634335.

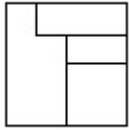


Question Number : 41 Question Id : 4050369445 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

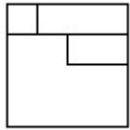
The 3 - D figure shows the view of an object. Identify the correct front view in the direction of the arrow, from amongst the answer figures.



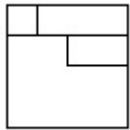
Options :



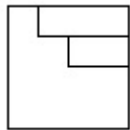
40503634336.



40503634337.



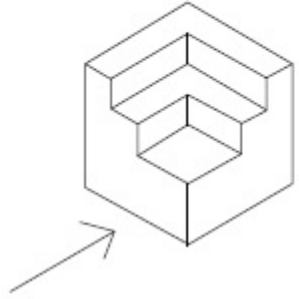
40503634338.



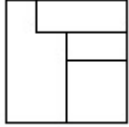
40503634339.

Question Number : 41 Question Id : 4050369445 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

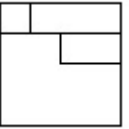
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।



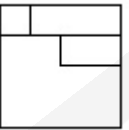
Options :



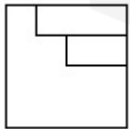
40503634336.



40503634337.



40503634338.



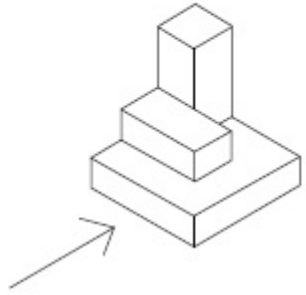
40503634339.

Question Number : 42 Question Id : 4050369446 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

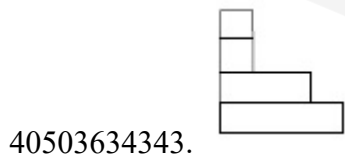
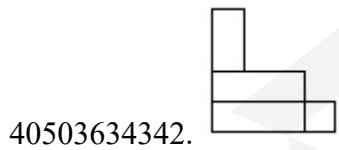
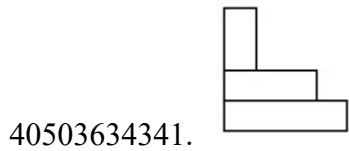
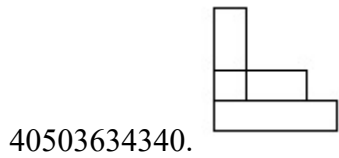
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

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.

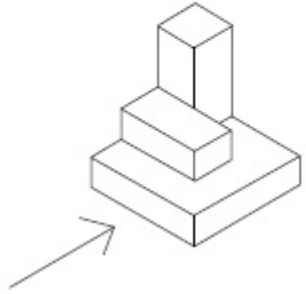


Options :

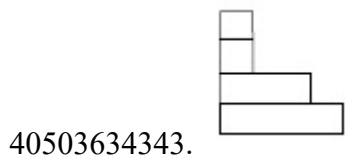
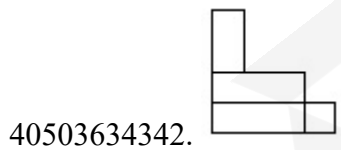
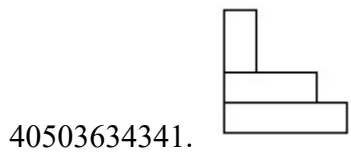
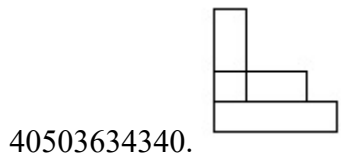


Question Number : 42 Question Id : 4050369446 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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।



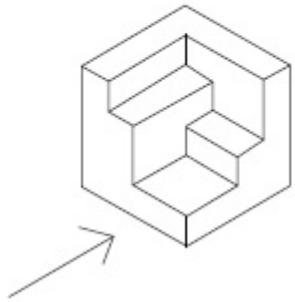
Options :



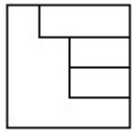
Question Number : 43 Question Id : 4050369447 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

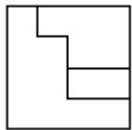
The 3 - D figure shows the view of an object. Identify the correct front view in the direction of the arrow, from amongst the answer figures.



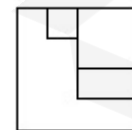
Options :



40503634344.

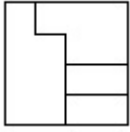


40503634345.



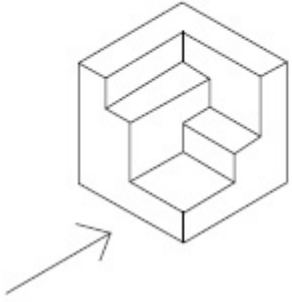
40503634346.

40503634347.



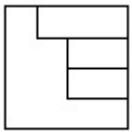
Question Number : 43 Question Id : 4050369447 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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।

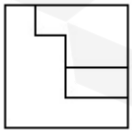


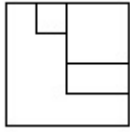
Options :

40503634344.

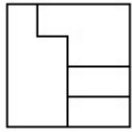


40503634345.





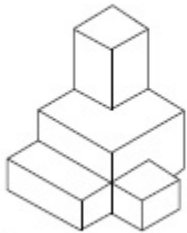
40503634346.



40503634347.

Question Number : 44 Question Id : 4050369448 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.

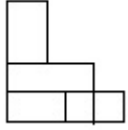


Options :

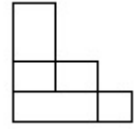


40503634348.

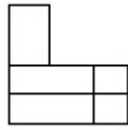
40503634349.



40503634350.

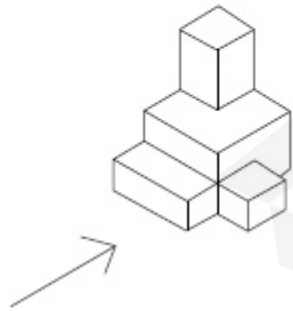


40503634351.

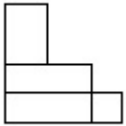


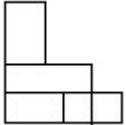
Question Number : 44 Question Id : 4050369448 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

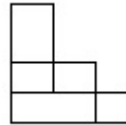
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

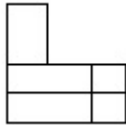


Options :

40503634348. 

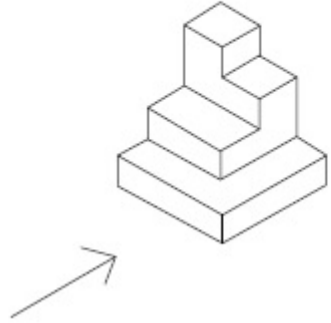
40503634349. 

40503634350. 

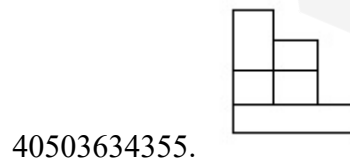
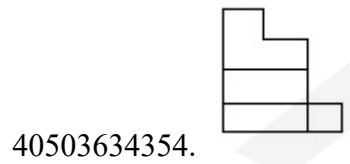
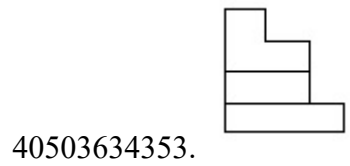
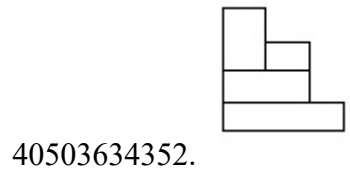
40503634351. 

Question Number : 45 Question Id : 4050369449 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 :

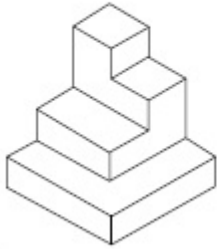


Question Number : 45 Question Id : 4050369449 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

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

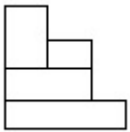
Correct Marks : 4 Wrong Marks : 1

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।

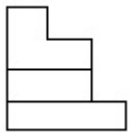


Options :

40503634352.

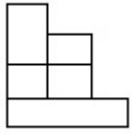


40503634353.



40503634354.



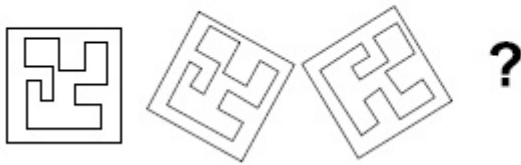


40503634355.

Question Number : 46 Question Id : 4050369450 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 ?

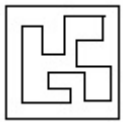


Options :

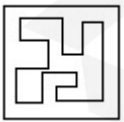
40503634356.



40503634357.



40503634358.

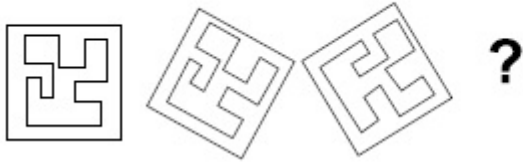


40503634359.

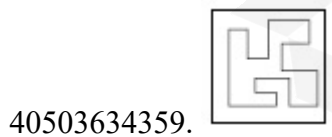
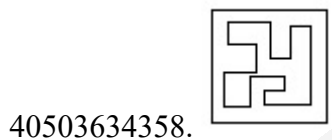
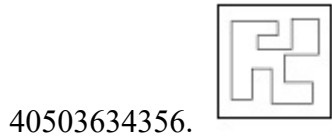


Question Number : 46 Question Id : 4050369450 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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



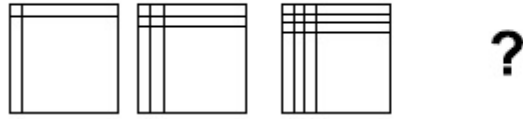
Options :



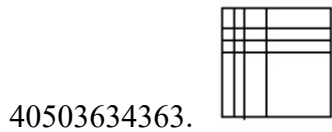
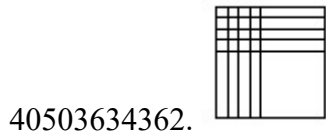
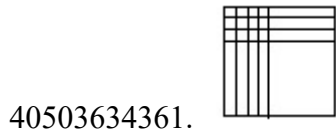
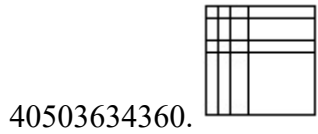
Question Number : 47 Question Id : 4050369451 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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



Options :

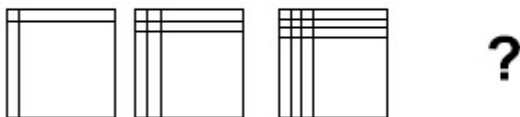


Question Number : 47 Question Id : 4050369451 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

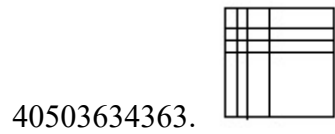
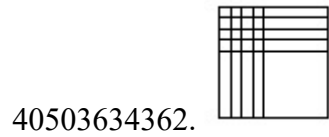
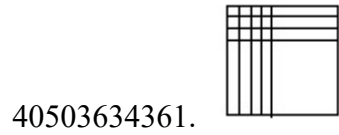
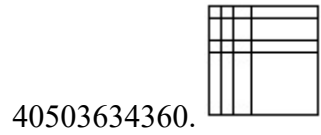
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

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 ?

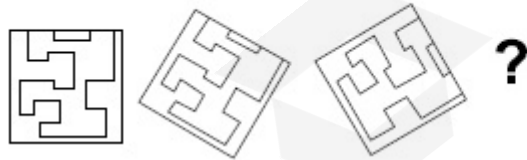


Options :

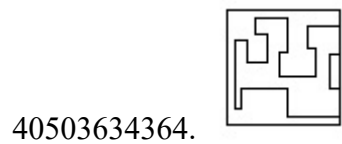


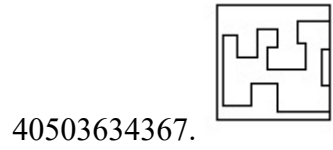
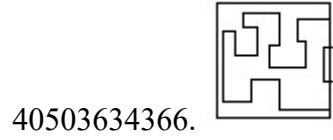
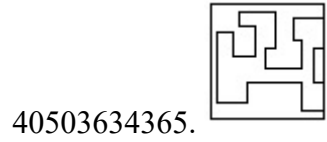
Question Number : 48 Question Id : 4050369452 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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



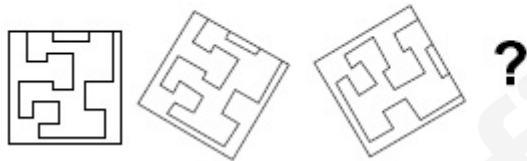
Options :



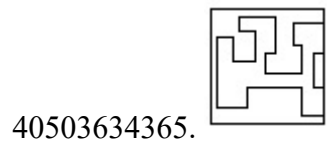
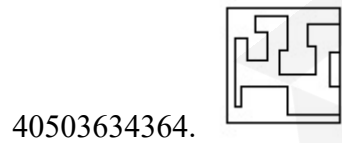


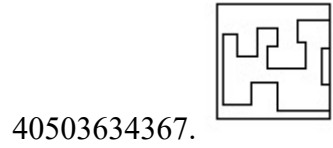
Question Number : 48 Question Id : 4050369452 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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



Options :



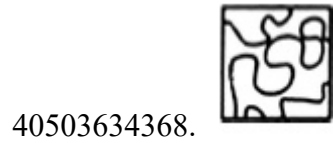


Question Number : 49 Question Id : 4050369453 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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



Options :



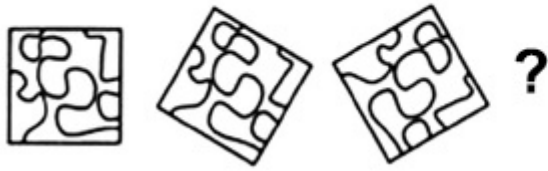


40503634371.

Question Number : 49 Question Id : 4050369453 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 :



40503634368.



40503634369.



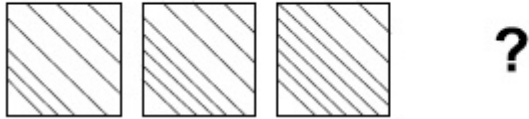
40503634370.



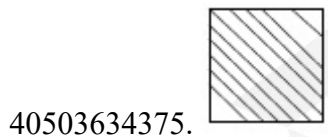
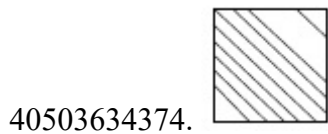
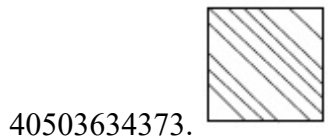
40503634371.

Question Number : 50 Question Id : 4050369454 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 ?

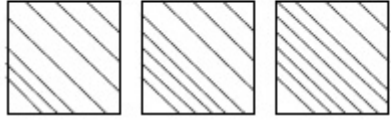


Options :



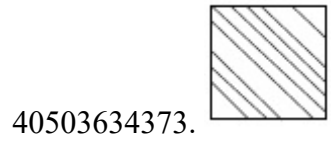
Question Number : 50 Question Id : 4050369454 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

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



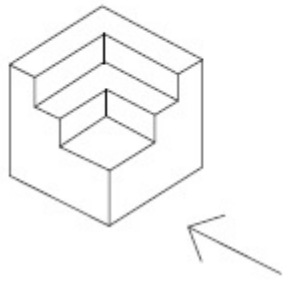
?

Options :

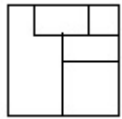


Question Number : 51 Question Id : 4050369455 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

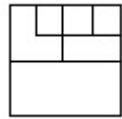
The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



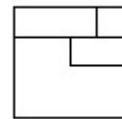
Options :



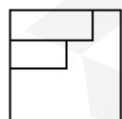
40503634376.



40503634377.



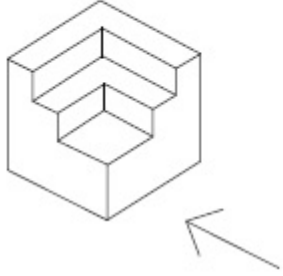
40503634378.



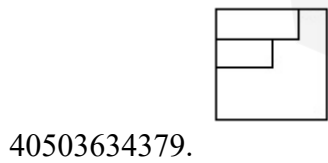
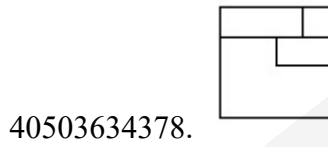
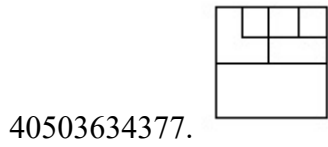
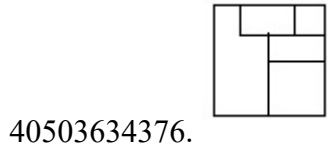
40503634379.

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 :

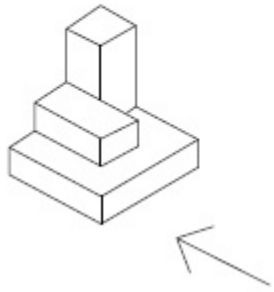


Question Number : 52 Question Id : 4050369456 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

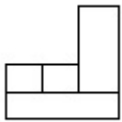
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

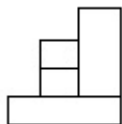
The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



Options :



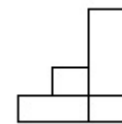
40503634380.



40503634381.



40503634382.

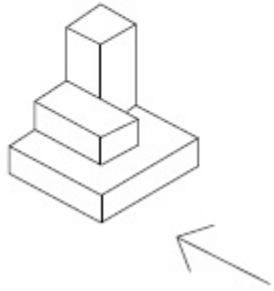


40503634383.

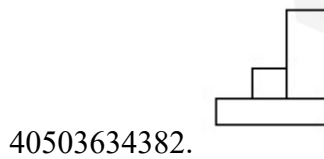
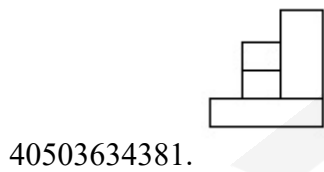
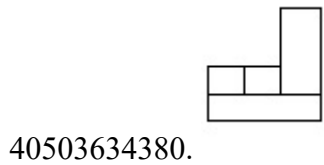
Question Number : 52 Question Id : 4050369456 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

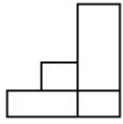
Correct Marks : 4 Wrong Marks : 1

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 :



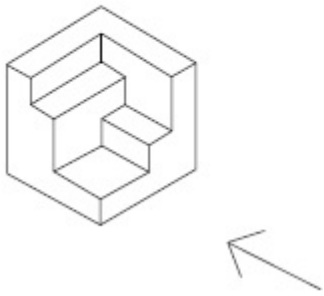


40503634383.

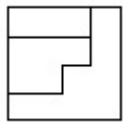
Question Number : 53 Question Id : 4050369457 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

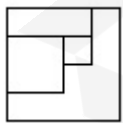
The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



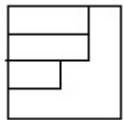
Options :



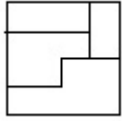
40503634384.



40503634385.



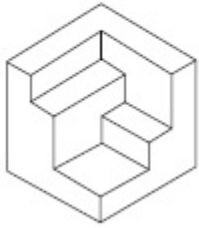
40503634386.



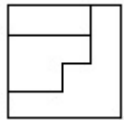
40503634387.

Question Number : 53 Question Id : 4050369457 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

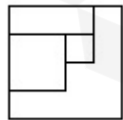
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।



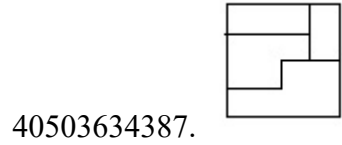
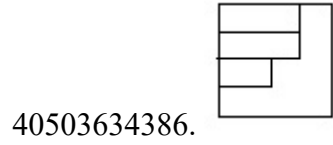
Options :



40503634384.

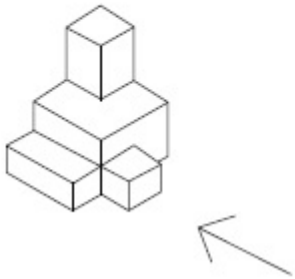


40503634385.

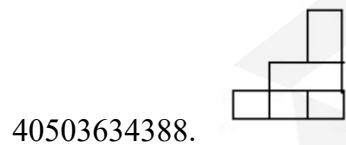


Question Number : 54 Question Id : 4050369458 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

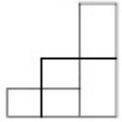
The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.



Options :



40503634390.

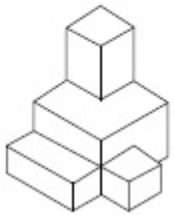


40503634391.



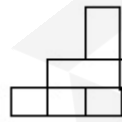
Question Number : 54 Question Id : 4050369458 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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।

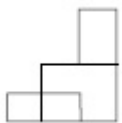


Options :

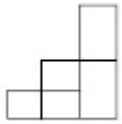
40503634388.



40503634389.



40503634390.



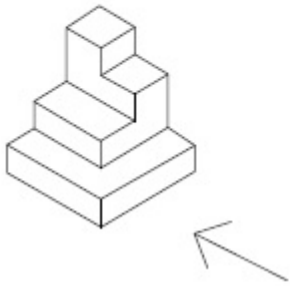
40503634391.



Question Number : 55 Question Id : 4050369459 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.

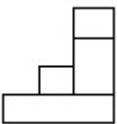


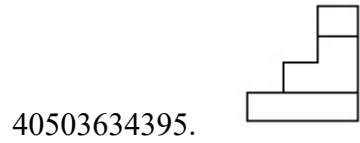
Options :

40503634392.



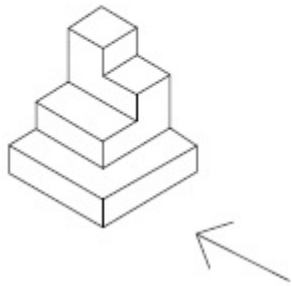
40503634393.



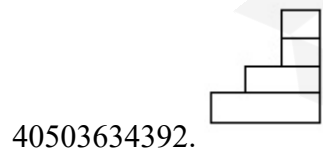


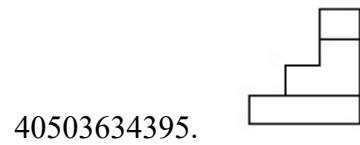
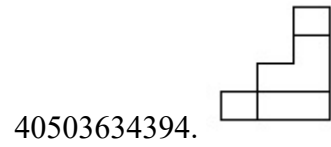
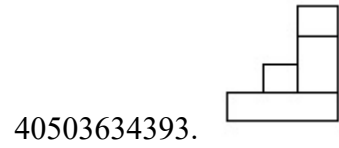
Question Number : 55 Question Id : 4050369459 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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।



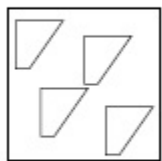
Options :



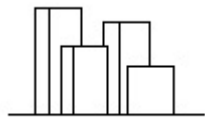


Question Number : 56 Question Id : 4050369460 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

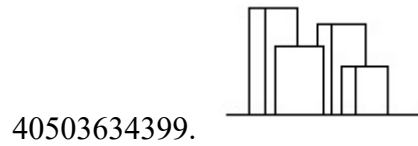
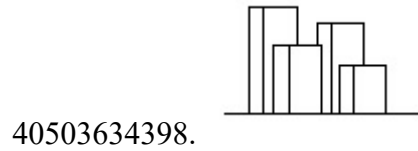
The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.



Options :



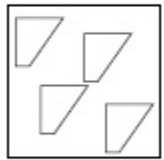
40503634396.



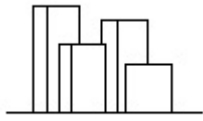
Question Number : 56 Question Id : 4050369460 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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



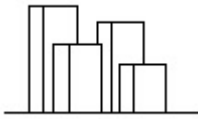
Options :



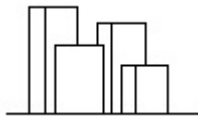
40503634396.



40503634397.



40503634398.

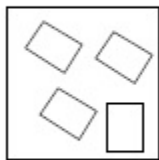


40503634399.

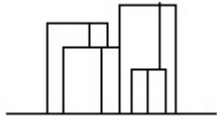
Question Number : 57 Question Id : 4050369461 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

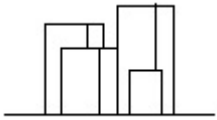
The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.



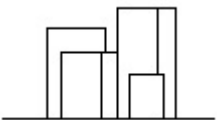
Options :



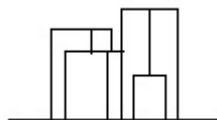
40503634400.



40503634401.



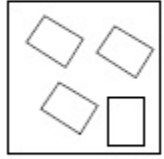
40503634402.



40503634403.

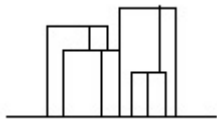
Question Number : 57 Question Id : 4050369461 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

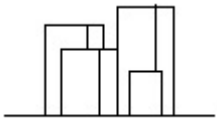


Options :

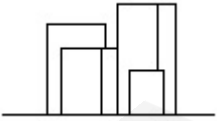
40503634400.



40503634401.



40503634402.

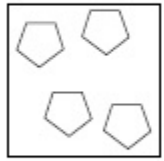


40503634403.

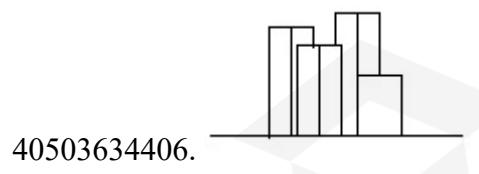
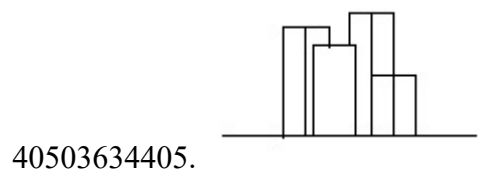
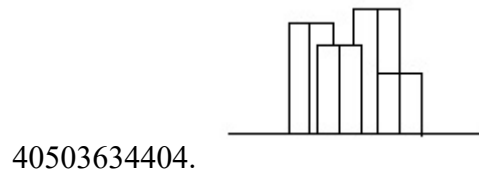


Correct Marks : 4 Wrong Marks : 1

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.



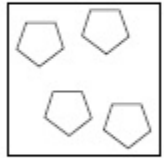
Options :



Question Number : 58 Question Id : 4050369462 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

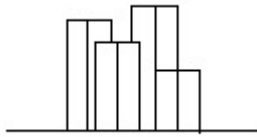
Correct Marks : 4 Wrong Marks : 1

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

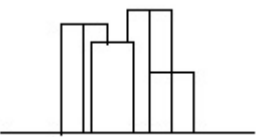


Options :

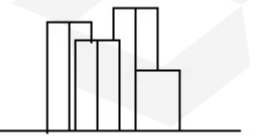
40503634404.



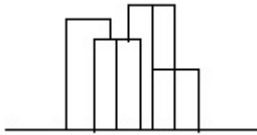
40503634405.



40503634406.



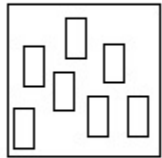
40503634407.



Question Number : 59 Question Id : 4050369463 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

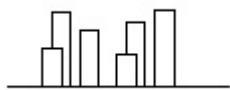
Correct Marks : 4 Wrong Marks : 1

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.

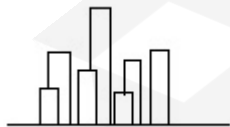


Options :

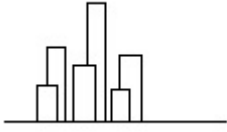
40503634408.



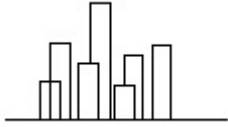
40503634409.



40503634410.

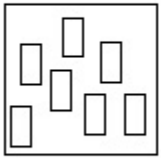


40503634411.



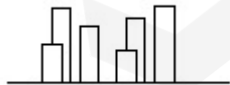
Question Number : 59 Question Id : 4050369463 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

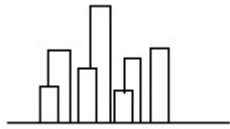


Options :

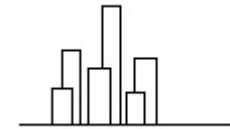
40503634408.



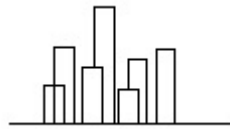
40503634409.



40503634410.

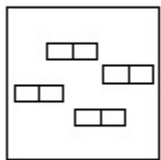


40503634411.

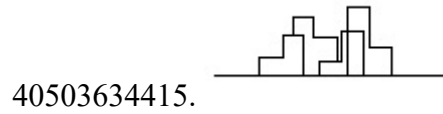
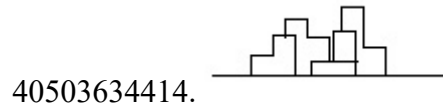
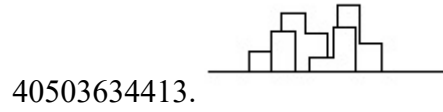
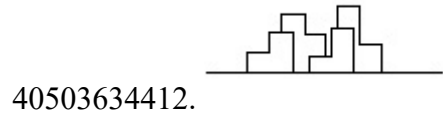


Question Number : 60 Question Id : 4050369464 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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.

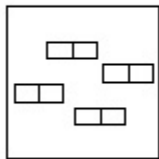


Options :

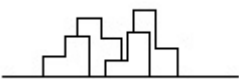


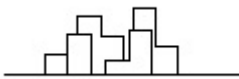
Question Number : 60 Question Id : 4050369464 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

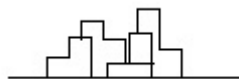
प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।

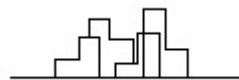


Options :

40503634412. 

40503634413. 

40503634414. 

40503634415. 

Question Number : 61 Question Id : 4050369465 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 :

40503634416. Residence of Prime Minister of Germany

40503634417. Residence of Prime Minister of France

40503634418. Residence of Prime Minister of Spain

40503634419. Residence of President of USA

Question Number : 61 Question Id : 4050369465 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 :

40503634416. जर्मनी के प्रधानमंत्री का निवास

40503634417. फ्रांस के प्रधानमंत्री का निवास

40503634418. स्पेन के प्रधानमंत्री का निवास

40503634419. संयुक्त राज्य अमेरिका के राष्ट्रपति का निवास

Question Number : 62 Question Id : 4050369466 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 :

40503634420. North East

40503634421. North West

40503634422. South East

40503634423. South West

Question Number : 62 Question Id : 4050369466 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 :

40503634420. उत्तर पूर्व

40503634421. उत्तर पश्चिम

40503634422. दक्षिण पूर्व

40503634423. दक्षिण पश्चिम

Question Number : 63 Question Id : 4050369467 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 :

40503634424. Haryana

40503634425. Punjab

40503634426. Assam

40503634427. Nagaland

Question Number : 63 Question Id : 4050369467 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 :

40503634424. हरियाणा

40503634425. पंजाब

40503634426. असम

40503634427. नागालैंड

Question Number : 64 Question Id : 4050369468 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 :

40503634428. 9"

40503634429. 12"

40503634430. 18"

40503634431. 13.5"

Question Number : 64 Question Id : 4050369468 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 :

40503634428. 9"

40503634429. 12"

40503634430. 18"

40503634431. 13.5"

Question Number : 65 Question Id : 4050369469 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 :

40503634432. Foundation

40503634433. Lintel

40503634434. Slab

40503634435. Wooden frame

Question Number : 65 Question Id : 4050369469 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 :

40503634432. नींव

40503634433. लिंटल

40503634434. स्लैब

40503634435. लकड़ी का फ्रेम

Question Number : 66 Question Id : 4050369470 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 :

40503634436. Florence

40503634437. Venice

40503634438. Pisa

40503634439. Rome

Question Number : 66 Question Id : 4050369470 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 :

40503634436. फ्लोरेंस

40503634437. वेनिस

40503634438. पिसा

40503634439. रोम

Question Number : 67 Question Id : 4050369471 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 :

40503634440. Nishat

40503634441. Vrindaban

40503634442. Buddha

40503634443. Nehru

Question Number : 67 Question Id : 4050369471 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 :

40503634440. निशात

40503634441. वृंदावन

40503634442. बुद्ध

40503634443. नेहरू

Question Number : 68 Question Id : 4050369472 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 :

40503634444. Falaknuma

40503634445. Salarjung

40503634446. Gandhi

40503634447. Nizam

Question Number : 68 Question Id : 4050369472 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 :

40503634444. फलाकनुमा

40503634445. सलारजंग

40503634446. गांधी

40503634447. निजाम

Question Number : 69 Question Id : 4050369473 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 :

40503634448. Violet

40503634449. Orange

40503634450. Green

40503634451. White

Question Number : 69 Question Id : 4050369473 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 :

40503634448. बैंगनी

40503634449. नारंगी

40503634450. हरा

40503634451. सफ़ेद

Question Number : 70 Question Id : 4050369474 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 :

40503634452. Blue

40503634453. Green

40503634454. Pink

40503634455. Brown

Question Number : 70 Question Id : 4050369474 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 :

40503634452. नीला

40503634453. हरा

40503634454. गुलाबी

40503634455. भूरा

Question Number : 71 Question Id : 4050369475 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 :

40503634456. Glossy

40503634457. Wrinkled

40503634458. Smooth

40503634459. Soft

Question Number : 71 Question Id : 4050369475 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 :

40503634456. चमकदार

40503634457. झुर्रीदार

40503634458. चिकना

40503634459. नरम

Question Number : 72 Question Id : 4050369476 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 :

40503634460. Ridge

40503634461. Eave

40503634462. J. Bolt

40503634463. Gutter

Question Number : 72 Question Id : 4050369476 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 :

40503634460. रिज

40503634461. एव

40503634462. जे. बोल्ट

40503634463. गटर

Question Number : 73 Question Id : 4050369477 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 :

40503634464. Granite

40503634465. Brick

40503634466. Marble

40503634467. Carpet

Question Number : 73 Question Id : 4050369477 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 :

40503634464. ग्रेनाइट

40503634465. ईंट

40503634466. संगमरमर

40503634467. कालीन

Question Number : 74 Question Id : 4050369478 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 :

- 40503634468. Maxwell Fry
- 40503634469. Le Corbusier
- 40503634470. Louis Kahn
- 40503634471. Geoffrey Bawa

Question Number : 74 Question Id : 4050369478 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 :

- 40503634468. मैक्सवेल फ्राई
- 40503634469. ले कोर्बुसीर
- 40503634470. लूस काह

40503634471. जेफ्री बावा

Question Number : 75 Question Id : 4050369479 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 :

40503634472. Water drainage

40503634473. Water evaporation

40503634474. Water harvesting

40503634475. Water flowing

Question Number : 75 Question Id : 4050369479 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 :

40503634472. जल निकासी

40503634473. जल वाष्पीकरण

40503634474. जल संचयन

40503634475. जल प्रवाह

Planning

Section Id :	405036340
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	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 :	405036676
Question Shuffling Allowed :	Yes

Question Number : 76 Question Id : 4050369480 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 :

40503634476. Agriculture

40503634477. Manufacturing

40503634478. Service

40503634479. Mining

Question Number : 76 Question Id : 4050369480 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 :

40503634476. कृषि

40503634477. निर्माण

40503634478. सेवा

40503634479. खनन

Question Number : 77 Question Id : 4050369481 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 :

40503634480. First Schedule

40503634481. Third Schedule

40503634482. Fifth Schedule

40503634483. Seventh Schedule

Question Number : 77 Question Id : 4050369481 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 :

40503634480. पहली अनुसूची

40503634481. तीसरी अनुसूची

40503634482. पाँचवीं अनुसूची

40503634483. सातवीं अनुसूची

Question Number : 78 Question Id : 4050369482 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 :

40503634484. Exhaustibility

40503634485. Ownership

40503634486. Origin

40503634487. Climate

Question Number : 78 Question Id : 4050369482 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 :

40503634484. निर्वातनियता

40503634485. स्वामित्व

40503634486. स्रोत

40503634487. जलवायु

Question Number : 79 Question Id : 4050369483 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 :

40503634488. Sir Edwin Lutyens

40503634489. Le Corbusier

40503634490. Otto Konigsberger

40503634491. Patrick Geddes

Question Number : 79 Question Id : 4050369483 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 :

40503634488. सर एडविन लुटियन

40503634489. लौ कार्बुज़ियर

40503634490. ओटो कोनिगस्बर्गर

40503634491. पैट्रिक गेडिस

Question Number : 80 Question Id : 4050369484 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 :

40503634492. 1970

40503634493. 1975

40503634494. 2005

40503634495. 2010

Question Number : 80 Question Id : 4050369484 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 :

40503634492. 1970 में

40503634493. 1975 में

40503634494. 2005 में

40503634495. 2010 में

Question Number : 81 Question Id : 4050369485 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 :

- 40503634496. Demarcation of dense forests
- 40503634497. Urban Basic Services for the poor
- 40503634498. Joint Forest Management
- 40503634499. Beej Bachao Andolan

Question Number : 81 Question Id : 4050369485 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 :

- 40503634496. घने जंगलों का सीमांकन
- 40503634497. गरीबों के लिए शहरी मूलभूत सेवाएं
- 40503634498. संयुक्त वन प्रबंधन
- 40503634499. बीज बचाओ आंदोलन

Question Number : 82 Question Id : 4050369486 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 :

40503634500. Mohenjo-daro and Harappa

40503634501. Mohenjo-daro, Harappa and Dholavira

40503634502. Harappa and Lothal

40503634503. Mohenjo-daro, Harappa, Dholavira and Lothal

Question Number : 82 Question Id : 4050369486 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 :

40503634500. मोहनजो-दाड़ो तथा हड़प्पा

40503634501. मोहनजो-दाड़ो, हड़प्पा तथा धोलावीरा

40503634502. हड़प्पा तथा लोथल

40503634503. मोहनजो-दाड़ो, हड़प्पा, धोलावीरा तथा लोथल

Question Number : 83 Question Id : 4050369487 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 :

40503634504. International Organisation for Trade

40503634505. Internet of Tweets

40503634506. Interest on Transactions

40503634507. Internet of Things

Question Number : 83 Question Id : 4050369487 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 :

40503634504. International Organisation for Trade

40503634505. Internet of Tweets

40503634506. Interest on Transactions

40503634507. Internet of Things

Question Number : 84 Question Id : 4050369488 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 :

40503634508. Vancouver

40503634509. Kyoto

40503634510. Istanbul

40503634511. Quito

Question Number : 84 Question Id : 4050369488 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 हैबिटेट II' पर दूसरा संयुक्त राष्ट्र सम्मेलन किस शहर में आयोजित किया गया था ?

Options :

40503634508. वैंकूवर

40503634509. क्योटो

40503634510. इस्तान्बुल

40503634511. क्विटो

Question Number : 85 Question Id : 4050369489 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 :

40503634512. 1857

40503634513. 1984

40503634514. 1901

40503634515. 1837

Question Number : 85 Question Id : 4050369489 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 :

40503634512. 1857

40503634513. 1984

40503634514. 1901

40503634515. 1837

Question Number : 86 Question Id : 4050369490 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 :

40503634516. Washington DC

40503634517. Amsterdam

40503634518. Barcelona

40503634519. New York

Question Number : 86 Question Id : 4050369490 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 :

40503634516. वाशिंगटन डी.सी.

40503634517. एम्स्टर्डम

40503634518. बार्सिलोना

40503634519. न्यूयॉर्क

Question Number : 87 Question Id : 4050369491 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 :

40503634520. Small Scale Industries

40503634521. Agricultural Run-off

40503634522. Untreated Sewage

40503634523. Large Scale Industries

Question Number : 87 Question Id : 4050369491 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 :

40503634520. लघु उद्योग

40503634521. कृषि अपवाह

40503634522. अनुपचारित सीवेज

40503634523. बड़े उद्योग

Question Number : 88 Question Id : 4050369492 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 :

40503634524. Height

40503634525. Administrative Boundary

40503634526. Vegetation

40503634527. Water Body

Question Number : 88 Question Id : 4050369492 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 :

40503634524. ऊँचाई
40503634525. प्रशासनिक सीमा
40503634526. वनस्पतियाँ
40503634527. जल स्रोत

Question Number : 89 Question Id : 4050369493 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 :

40503634528. Direction
40503634529. Key map
40503634530. Scale
40503634531. Isotherm

Question Number : 89 Question Id : 4050369493 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 :

40503634528. दिशा

40503634529. निर्देश मानचित्र

40503634530. स्केल

40503634531. समताप

Question Number : 90 Question Id : 4050369494 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 :

40503634532. (P)-(II), (Q)-(I), (R)-(III), (S)-(IV)

40503634533. (P)-(I), (Q)-(III), (R)-(II), (S)-(IV)

40503634534. (P)-(III), (Q)-(II), (R)-(IV), (S)-(I)

40503634535. (P)-(II), (Q)-(III), (R)-(IV), (S)-(I)

Question Number : 90 Question Id : 4050369494 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) सूत | (IV) स्टील उद्योग |

Options :

40503634532. (P)-(II), (Q)-(I), (R)-(III), (S)-(IV)

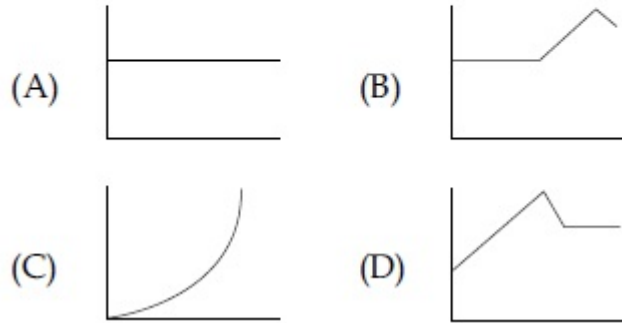
40503634533. (P)-(I), (Q)-(III), (R)-(II), (S)-(IV)

40503634534. (P)-(III), (Q)-(II), (R)-(IV), (S)-(I)

40503634535. (P)-(II), (Q)-(III), (R)-(IV), (S)-(I)

Question Number : 91 Question Id : 4050369495 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 :

40503634536. (A)

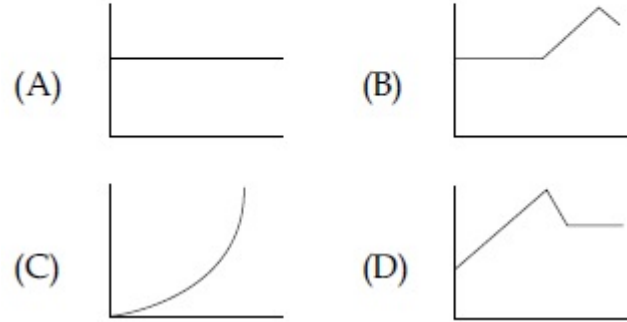
40503634537. (B)

40503634538. (D)

40503634539. Both (C) and (D)

Question Number : 91 Question Id : 4050369495 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 :

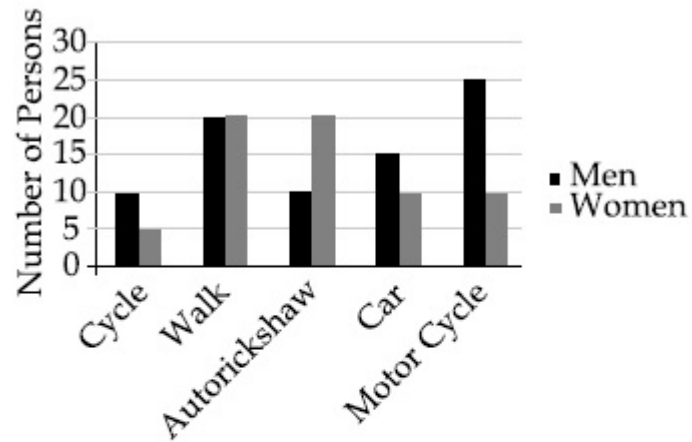
40503634536. (A)

40503634537. (B)

40503634538. (D)

40503634539. (C) तथा (D) दोनों

Question Number : 92 Question Id : 4050369496 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 :

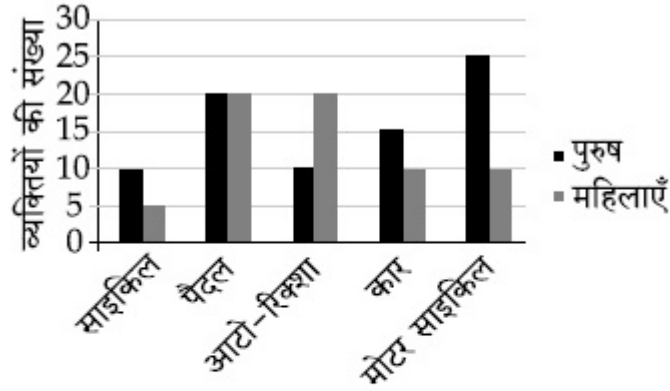
40503634540. 50% of all those who cycle to their work places are women

40503634541. More men compared to women use auto-rickshaw for commuting to work place

40503634542. More women compared to men cycle to their work place

40503634543. The highest share of persons walk to their work place

Question Number : 92 Question Id : 4050369496 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 :





40503634540. उन सभी, जो साइकिल से अपने कार्य स्थल पर जाते हैं, का 50% महिलाएँ हैं।
40503634541. कार्य स्थल पर जाने के लिए महिलाओं की तुलना में अधिक पुरुष आटो-रिक्शा का इस्तेमाल करते हैं।
40503634542. पुरुषों की तुलना में अधिक महिलाएँ साइकिल से अपने कार्य स्थल पर जाती हैं।

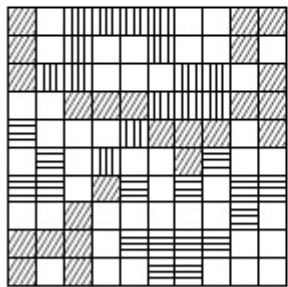
व्यक्तियों का सबसे अधिक भाग अपने कार्य
स्थल पर पैदल जाता है।

40503634543.

Question Number : 93 Question Id : 4050369497 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 10×10 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 :

40503634544. Waste land





40503634545. Forest land

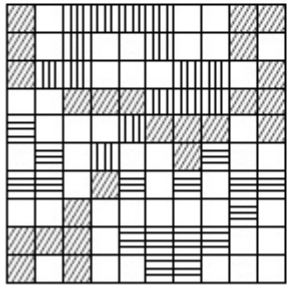
40503634546. Agriculture land

40503634547. Unused land

Question Number : 93 Question Id : 4050369497 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 10×10 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 :

40503634544. बंजर भूमि

40503634545. जंगल भूमि

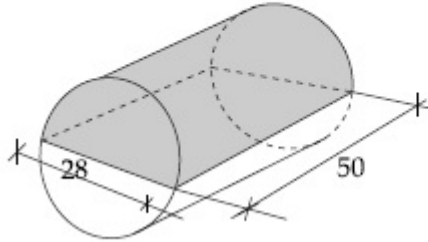
40503634546. कृषि भूमि

40503634547. अप्रयुक्त भूमि

Question Number : 94 Question Id : 4050369498 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 :

40503634548. 46,200

40503634549. 30,800

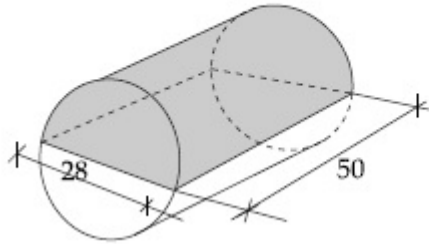
40503634550. 15,400

40503634551. 7,700

Question Number : 94 Question Id : 4050369498 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 :

40503634548. 46,200

40503634549. 30,800

40503634550. 15,400

40503634551. 7,700

Question Number : 95 Question Id : 4050369499 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 :

40503634552. 4.5

40503634553. 4.7

40503634554. 4.9

40503634555. 5.0

Question Number : 95 Question Id : 4050369499 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 :

40503634552. 4.5

40503634553. 4.7

40503634554. 4.9

40503634555. 5.0

Question Number : 96 Question Id : 4050369500 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 :

40503634556. Birth control measures to reduce resource consumption

40503634557. Production of cheap materials

40503634558. Talk less and work more

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

40503634559.

Question Number : 96 Question Id : 4050369500 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

40503634556.

40503634557. Production of cheap materials

40503634558. Talk less and work more

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

40503634559.

Question Number : 97 Question Id : 4050369501 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 :

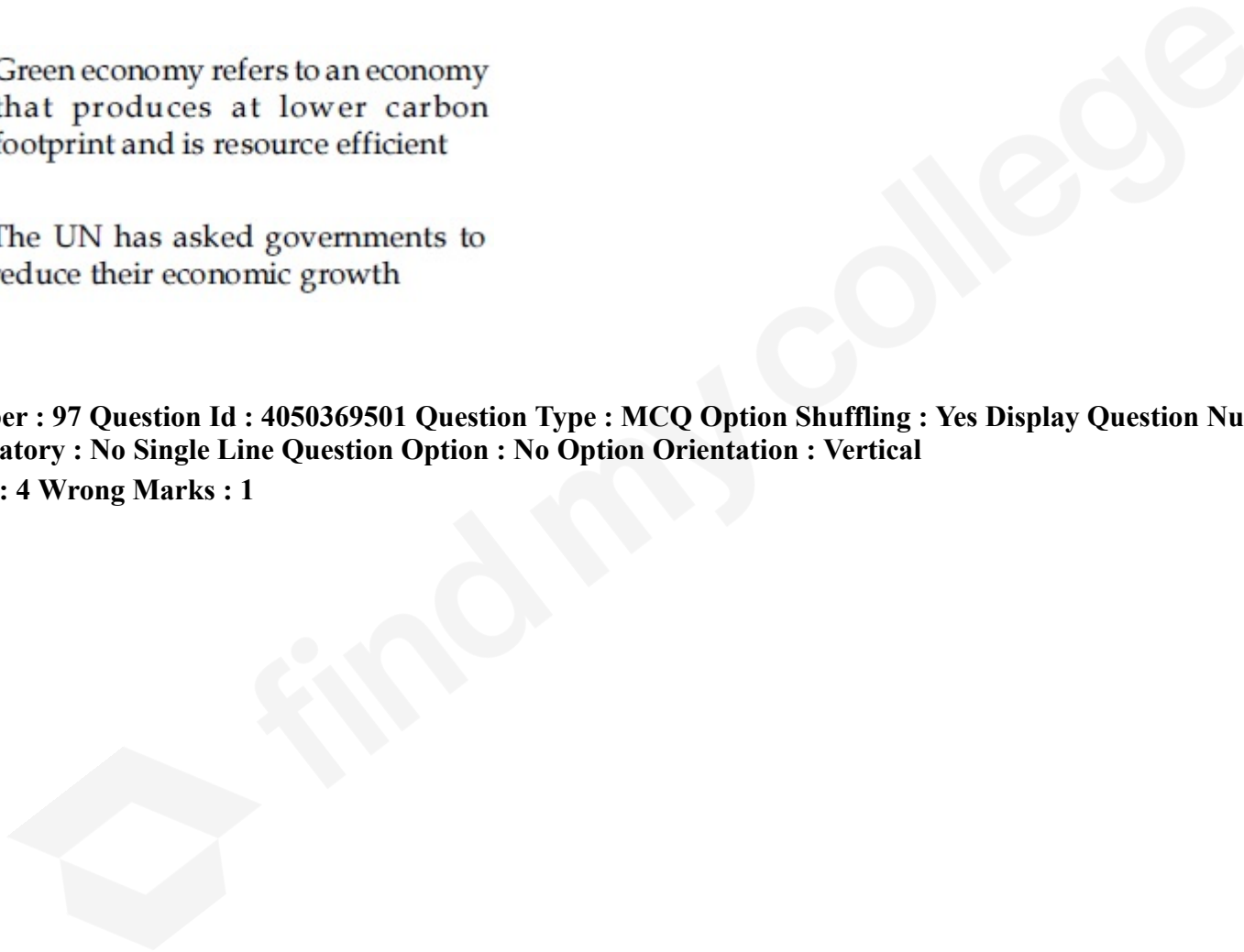
40503634560. 140 billion tons of natural resources will be consumed till the end of 2050

40503634561. Green economy refers to an economy that is based on forest resources

40503634562. Green economy refers to an economy that produces at lower carbon footprint and is resource efficient

40503634563. The UN has asked governments to reduce their economic growth

Question Number : 97 Question Id : 4050369501 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 :

- 40503634560. 140 billion tons of natural resources will be consumed till the end of 2050
- 40503634561. Green economy refers to an economy that is based on forest resources
- 40503634562. Green economy refers to an economy that produces at lower carbon footprint and is resource efficient
- 40503634563. The UN has asked governments to reduce their economic growth

Question Number : 98 Question Id : 4050369502 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 :

40503634564. only (I)

40503634565. only (II)

40503634566. both (I) and (II)

40503634567. neither (I) nor (II)

Question Number : 98 Question Id : 4050369502 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 :

40503634564. केवल (I)

40503634565. केवल (II)

40503634566. (I) तथा (II) दोनों

40503634567. न तो (I) न ही (II)

Question Number : 99 Question Id : 4050369503 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 :

40503634568. more than 50% of the households have income around 10.0 lakh

40503634569. more than 50% of the households have income much higher than 10.0 lakh

40503634570. few households have income much higher than 10.0 lakh

40503634571. most of the households have income between 4.0 lakh to 10.0 lakh

Question Number : 99 Question Id : 4050369503 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 :

40503634568. 50% से अधिक परिवारों की आय लगभग 10.0 लाख है।

40503634569. 50% से अधिक परिवारों की आय 10.0 लाख से बहुत अधिक है।

40503634570. कुछ ही परिवारों की आय 10.0 लाख से बहुत अधिक है।

40503634571. अधिकतर परिवारों की आय 4.0 लाख तथा 10.0 लाख के बीच है।

Question Number : 100 Question Id : 4050369504 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 :

40503634572. Statement (I) only

40503634573. Statement (II) only

40503634574. Both statements (I) and (II)

40503634575. Neither statement (I) nor (II)

Question Number : 100 Question Id : 4050369504 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 :

40503634572. केवल कथन (I)

40503634573. केवल कथन (II)

40503634574. कथन (I) तथा (II) दोनों

40503634575. न तो कथन (I) न ही कथन (II)

Drawing

Section Id :	405036341
Section Number :	4
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	2
Number of Questions to be attempted :	2
Section Marks :	100
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	405036677
Question Shuffling Allowed :	No

Question Number : 101 Question Id : 4050369505 Question Type : SUBJECTIVE Display Question Number : Yes Correct Marks : 50

In the space provided for the answer of this question, draw an aesthetic composition appropriate to this space using triangles and rectangles. There is no restriction to numbers, sizes, placement and directions of these shapes. Color this composition so that it becomes visually exciting.

Question Number : 101 Question Id : 4050369505 Question Type : SUBJECTIVE Display Question Number : Yes Correct Marks : 50

इस प्रश्न के उत्तर के लिए प्रदान की गई जगह में, त्रिकोणों एवं आयतों का उपयोग करके इस स्थान के लिए उपयुक्त एक सौंदर्य संरचना तैयार करें। इन आकृतियों की संख्या, आकार, प्लेसमेंट और दिशानिर्देशों पर कोई प्रतिबंध नहीं है। इस रचना को रंग दें ताकि यह दृष्टि से रोमांचक हो जाए।

Question Number : 102 Question Id : 4050369506 Question Type : SUBJECTIVE Display Question Number : Yes Correct Marks : 50

Draw from imagination a gardener working in the garden.

OR

Draw from imagination a scene of a place for praying.

OR

Draw from memory your best friends face.

Question Number : 102 Question Id : 4050369506 Question Type : SUBJECTIVE Display Question Number : Yes Correct Marks : 50

बगीचे में काम करते हुए एक माली की कल्पना से एक चित्र बनायें।

अथवा

कल्पना से प्रार्थना के लिए एक जगह का दृश्य बनाएं।

अथवा

स्मृति से अपने सबसे अच्छे दोस्त का चित्र बनायें।

 find my college