National Testing Agency

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B ARCH

Group Number :	1
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Mathematics

Section Id :	40503617
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	25
Number of Questions to be attempted:	25
Section Marks:	100

Sub-Section Number:	1
Sub-Section Id:	40503624
Question Shuffling Allowed :	Yes

Question Number : 1 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

If $A = \{1, 2, 3, 4\}$, then the number of functions on the set A, which are not one - one, is :

Options :

1. 232

ZOLLEGE.in

2. 240

3. 248

4. 256

Question Number : 1 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

यदि $A = \{1, 2, 3, 4\}$ है, तो समुच्चय A पर ऐसे फलनों की संख्या जो एकैकी न हों, है :

Options :

1. 232

2. 240

3. 248

4. 256

Question Number : 1 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

જો $A = \{1, 2, 3, 4\}$ હોય, તો એક-એક ન હોય તેવા ગણ A પરનાં વિધેયોની સંખ્યા કેટલી થાય?

Options :

1. 232

2. 240

ZOLLEGE.in

3. 248

4. 256

Question Number : 2 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

The sum of the values of x satisfying the equation, $\sqrt{x}\left(\sqrt{x}-4\right)-3\left|\sqrt{x}-2\right|+6=0$ $(x \geq 0)$, is :

Options :

1. 26

2. 25

3. 10

4. 8

Question Number : 2 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

समीकरण $\sqrt{x}\left(\sqrt{x}-4\right)-3\left|\sqrt{x}-2\right|+6=0$ $(x \geq 0)$ को संतुष्ट करने वाले x के मानों का योगफल है :

Options :

1. 26

2. 25

ZOLLEGE.in

3. 10

4. 8

Question Number : 2 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

સમીકરણ $\sqrt{x}(\sqrt{x}-4)-3|\sqrt{x}-2|+6=0 \ (x \geq 0)$ નું સમાધાન કરતી x ની કિંમતો નો સરવાળો _____ થાય.

Options :

1. 26

2. 25

3. 10

4. 8

Question Number : 3 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

If m be the least value of $|z-3+i4|^2+|z-5-i2|^2$, $z \in \mathbb{C}$ attained at $z=z_0$, then the ordered pair $(|z_0|, m)$ is equal to :

Options :

1. $(\sqrt{13}, 10)$

2. $(\sqrt{17}, 20)$

ZOLLEGE.in

3. $(\sqrt{17}, 10)$

4. $(\sqrt{13}, 20)$

Question Number : 3 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

यदि $z = z_0$ पर $|z-3+i4|^2+|z-5-i2|^2,\ z \in \mathbb{C}$ का प्राप्त हुआ न्यूनतम मान m है, तो क्रमित युग्म $(|z_0|, m)$ बराबर है :

Options :

1. $(\sqrt{13}, 10)$

2. $(\sqrt{17}, 20)$

3. $(\sqrt{17}, 10)$

4. $(\sqrt{13}, 20)$

Question Number : 3 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

જો $z = z_0$ આગળ $|z-3+i4|^2+|z-5-i2|^2$, $z \in \mathbb{C}$ એ ન્યૂનતમ કિંમત m ધારણ કરતું હોય, તો ક્રમયુક્ત જોડ $(|z_0|, m) =$ _____.

Options :

1. $(\sqrt{13}, 10)$

2. $(\sqrt{17}, 20)$

ZOLLEGE.in

3. $(\sqrt{17}, 10)$

4. $(\sqrt{13}, 20)$

Question Number : 4 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 4 Wrong Marks : 1

If for some $c < 0$, the quadratic equation, $2cx^2 - 2(2c-1)x + 3c^2 = 0$ has two distinct real roots, $\frac{1}{a}$ and $\frac{1}{b}$, then the value of the determinant, $\begin{vmatrix} 1+a & 1 & 1 \\ 1 & 1+b & 1 \\ 1 & 1 & 1+c \end{vmatrix}$ is :

Options :

1. 2

2. 0

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

4. 1

Question Number : 4 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 4 Wrong Marks : 1

यदि किसी $c < 0$ के लिए द्विघात समीकरण $2cx^2 - 2(2c-1)x + 3c^2 = 0$ के दो भिन्न वास्तविक मूल $\frac{1}{a}$ तथा $\frac{1}{b}$ हैं, तो सारणिक

$\begin{vmatrix} 1+a & 1 & 1 \\ & & \end{vmatrix}$

ZOLLEGE.in

1. 2

2. 0

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

4. 1

Question Number : 4 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

જો કોઇક $c < 0$ માટે દ્વિઘાત સમીકરણ $2cx^2 - 2(2c-1)x + 3c^2 = 0$ ને બે ભિન્ન બીજો $\frac{1}{a}$ અને $\frac{1}{b}$ હોય, તો નિશ્ચાયક $\begin{vmatrix} 1+a & 1 & 1 \\ 1 & 1+b & 1 \\ 1 & 1 & 1+c \end{vmatrix}$ ની કિંમત =

_____.

Options :

1. 2

2. 0

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

4. 1

ZOLLEGE.in

Question Number : 5 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Let $A = \begin{bmatrix} x & 2y \\ -1 & y \end{bmatrix}; x, y \in \mathbf{R}$.

If $AA^T = \begin{bmatrix} 1 & 0 \\ 0 & \alpha \end{bmatrix} (\alpha \in \mathbf{R})$, then $\alpha + y^2$ is

equal to :

Options :

1. 1

2. $\sqrt{2} - 1$

3. 2

4. $\sqrt{2}$

ZOLLEGE.in

Question Number : 5 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

माना $A = \begin{bmatrix} x & 2y \\ -1 & y \end{bmatrix}; x, y \in \mathbf{R}$ हैं। यदि

$AA^T = \begin{bmatrix} 1 & 0 \\ 0 & \alpha \end{bmatrix} (\alpha \in \mathbf{R})$ है, तो $\alpha + y^2$ का मान

है :

Options :

1. 1

2. $\sqrt{2} - 1$

3. 2

ZOLLEGE.in

4. $\sqrt{2}$

Question Number : 5 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

ધારોકે $A = \begin{bmatrix} x & 2y \\ -1 & y \end{bmatrix}; x, y \in \mathbf{R}$. જો

$AA^T = \begin{bmatrix} 1 & 0 \\ 0 & \alpha \end{bmatrix} (\alpha \in \mathbf{R})$ હોય, તો

$\alpha + y^2 =$ _____.

Options :

1. 1

2. $\sqrt{2} - 1$

3. 2

4. $\sqrt{2}$

Question Number : 6 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Let S_n denote the sum of the first n terms of an A.P., $a_1, a_2, a_3, \ldots, a_n$. If $a_5 + a_9 = 1$ and $S_9 = 6$, then which one of the following is **not** true ?

Options :

1. $S_{13} = \frac{13}{2}$

2. $a_{13} = 0$

ZOLLEGE.in

3. $a_6 + a_8 = 1$

4. $S_6 = \frac{19}{2}$

Question Number : 6 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

माना S_n, समांतर श्रेढ़ी $a_1, a_2, a_3, \ldots, a_n$ के प्रथम n पदों के योग को दर्शाता है। यदि $a_5 + a_9 = 1$ तथा $S_9 = 6$ हैं, तो निम्न में से कौन सा एक सत्य नहीं है?

Options :

1. $S_{13} = \frac{13}{2}$

2. $a_{13} = 0$

3. $a_6 + a_8 = 1$

4. $S_6 = \frac{19}{2}$

Question Number : 6 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

ધારોકે S_n એ સમાંતર શ્રેણી (A.P.) $a_1, a_2, a_3, \ldots, a_n$ નાં પહેલા n પદોનો સરવાળો દર્શાવે છે. જો $a_5 + a_9 = 1$ અને $S_9 = 6$ હોય, તો નીચેનામાંથી કયું સાચું નથી?

Options :

1. $S_{13} = \frac{13}{2}$

ZOLLEGE.in

2. $a_{13}=0$

3. $a_6+a_8=1$

4. $S_6=\frac{19}{2}$

Question Number : 7 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

If $\sum_{r=1}^{9}\left(\frac{r+3}{2^r}\right){}^9C_r=\alpha\left(\frac{3}{2}\right)^9+\beta$, then

$\alpha+\beta$ is equal to :

Options :

1. 2

2. 9

3. 3

4. 6

Question Number : 7 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

यदि $\sum_{r=1}^{9}\left(\frac{r+3}{2^r}\right){}^9C_r=\alpha\left(\frac{3}{2}\right)^9+\beta$ है, तो

$\alpha+\beta$ का मान है :

Options :

1. 2

ZOLLEGE.in

2. 9

3. 3

4. 6

Question Number : 7 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

જો $\sum_{r=1}^{9}\left(\frac{r+3}{2^r}\right){}^{9}C_r = \alpha\left(\frac{3}{2}\right)^9 + \beta$ હોય, તો

$\alpha+\beta=$ _____.

Options :

1. 2

2. 9

3. 3

4. 6

Question Number : 8 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Let a function, $f:(-1, 3) \to \mathbf{R}$ be defined as $f(x)=\min\{x[x], |x[x]-2|+2\}$, where $[x]$ denotes the greatest integer $\leq x$. Then f is :

Options :

neither continuous nor differentiable

ZOLLEGE.in

2. not continuous at two points and not differentiable at 3 points.

3. neither continuous nor differentiable at exactly two points.

4. not continuous at only one point and not differentiable at three points.

Question Number : 8 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

माना एक फलन $f:(-1,3) \to \mathbf{R}$,
$f(x)=\min\{x[x], |x[x]-2|+2\}$ द्वारा परिभाषित है,
जहाँ $[x]$, महत्तम पूर्णांक $\leq x$ को दर्शाता है, तो f :

Options :

1. मात्र तीन बिंदुओं पर न तो संतत है और न ही अवकलनीय है।

2. दो बिंदुओं पर संतत नहीं है तथा तीन बिंदुओं पर अवकलनीय नहीं है।

3. मात्र दो बिंदुओं पर न तो संतत है और न ही अवकलनीय है।

4. केवल एक बिंदु पर संतत नहीं है तथा तीन बिंदुओं पर अवकलनीय नहीं है।

Question Number : 8 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

ધારોકે વિધેય $f:(-1,3) \to \mathbf{R}$ એ $f(x)=\min\{x[x], |x[x]-2|+2\}$ દ્વારા વ્યાખ્યાયિત હોય, જ્યાં $[x]$ એ મોટામાં મોટો પૂર્ણાંક $\leq x$ દર્શાવે, તો f એ :

Options :

1. બરાબર 3 બિંદુઓ આગળ સતત પણ નથી કે વિકલનીય પણ નથી.

2. બે બિંદુઓ આગળ સતત નથી અને 3 બિંદુઓ આગળ વિકલનીય નથી.

3. બરાબર બે બિંદુઓ આગળ સતત પણ નથી કે વિકલનીય પણ નથી.

4. ફક્ત એક બિંદુ આગળ સતત નથી અને ત્રણ બિંદુઓ આગળ વિકલનીય નથી.

Question Number : 9 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

$\lim\limits_{x \to 1}\left\{\log_e\left(e^{x(x-1)}-e^{x(1-x)}\right)-\log_e(4x(x-1))\right\}$ is equal to :

Options :

1. 1

2. $-\log_e 2$

3. $-2\log_e 2$

ZOLLEGE.in

4. $1-\log_e 2$

Question Number : 9 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

$\lim_{x \to 1}\left\{\log_e\left(e^{x(x-1)}-e^{x(1-x)}\right)-\log_e(4x(x-1))\right\}$ बराबर है :

Options :

1. 1

2. $-\log_e 2$

3. $-2\log_e 2$

4. $1-\log_e 2$

ZOLLEGE.in

Question Number : 9 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

$\lim_{x \to 1}\left\{\log_e\left(e^{x(x-1)}-e^{x(1-x)}\right)-\log_e(4x(x-1))\right\}=$_____.

Options :

1. 1

2. $-\log_e 2$

3. $-2\log_e 2$

ZOLLEGE.in

4. $1-\log_e 2$

Question Number : 10 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

The function $f(x)=e^{x+1}\,(4x^2-16x+11)$ is :

Options :

1. increasing in $\left(-\infty, -\frac{1}{2}\right) \cup \left(\frac{5}{2}, \infty\right)$

2. increasing in $(-\infty, -2) \cup (2, \infty)$

3. decreasing in $\left(-\infty, -\frac{5}{2}\right) \cup \left(\frac{1}{2}, \infty\right)$

4. decreasing in $\left(-\infty, \frac{1}{2}\right) \cup \left(\frac{5}{2}, \infty\right)$

Question Number : 10 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

फलन $f(x)=e^{x+1}\,(4x^2-16x+11)$:

Options :

1. $\left(-\infty, -\frac{1}{2}\right) \cup \left(\frac{5}{2}, \infty\right)$ में वर्धमान है।

2. $(-\infty, -2) \cup (2, \infty)$ में वर्धमान है।

3. $\left(-\infty, -\frac{5}{2}\right) \cup \left(\frac{1}{2}, \infty\right)$ में ह्रासमान है।

ZOLLEGE.in

4. $\left(-\infty, \frac{1}{2}\right) \cup \left(\frac{5}{2}, \infty\right)$ में ह्रासमान है।

Question Number : 10 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

વિધેય $f(x) = e^{x+1}(4x^2 - 16x + 11)$ એ :

Options :

1. $\left(-\infty, -\frac{1}{2}\right) \cup \left(\frac{5}{2}, \infty\right)$ માં વધે છે.

2. $(-\infty, -2) \cup (2, \infty)$ માં વધે છે.

3. $\left(-\infty, -\frac{5}{2}\right) \cup \left(\frac{1}{2}, \infty\right)$ માં ઘટે છે.

4. $\left(-\infty, \frac{1}{2}\right) \cup \left(\frac{5}{2}, \infty\right)$ માં ઘટે છે.

Question Number : 11 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

The area (in sq. units) of the region $\left\{(x, y): \frac{1}{2} \leq y \leq \sin x, 0 \leq x \leq \pi\right\}$ is :

Options :

1. $\sqrt{3} - \frac{\pi}{3}$

2. $3 - \frac{\pi}{3}$

ZOLLEGE.in

3. $3 - \frac{2\pi}{3}$

4. $\sqrt{3} - \frac{\pi}{6}$

Question Number : 11 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

क्षेत्र $\left\{(x, y) : \frac{1}{2} \leq y \leq \sin x, 0 \leq x \leq \pi\right\}$

का क्षेत्रफल (वर्ग इकाइयों में) है :

Options :

1. $\sqrt{3} - \frac{\pi}{3}$

2. $3 - \frac{\pi}{3}$

3. $3 - \frac{2\pi}{3}$

4. $\sqrt{3} - \frac{\pi}{6}$

Question Number : 11 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

પ્રદેશ $\left\{(x, y) : \frac{1}{2} \leq y \leq \sin x, 0 \leq x \leq \pi\right\}$

નું ક્ષેત્રફળ (ચો. એકમમાં) _____ છે.

Options :

1. $\sqrt{3} - \frac{\pi}{3}$

ZOLLEGE.in

2. $3-\frac{\pi}{3}$

3. $3-\frac{2\pi}{3}$

4. $\sqrt{3}-\frac{\pi}{6}$

Question Number : 12 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

If $x=x(y)$ is the solution of the differential equation, $y\,dx-(x+2y^2)\,dy=0$, with $x(-\pi)=\pi^2$, then x is equal to :

Options :

1. $2y^2-\pi^2$

2. $-2y^2+3\pi y$

3. $-y^2-2\pi y$

4. $2y^2+\pi y$

Question Number : 12 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

यदि $x=x(y)$, अवकल समीकरण $y\,dx-(x+2y^2)\,dy=0$, $x(-\pi)=\pi^2$, का हल है, तो x बराबर है :

Options :

1. $2y^2-\pi^2$

ZOLLEGE.in

2. $-2y^2+3\pi y$

3. $-y^2-2\pi y$

4. $2y^2+\pi y$

Question Number : 12 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

જો $x=x(y)$ એ વિકલ સમીકરણ $y\,dx-(x+2y^2)\,dy=0$ નો ઉકેલ હોય, જ્યાં $x(-\pi)=\pi^2$, તો $x=$_____.

Options :

1. $2y^2-\pi^2$

2. $-2y^2+3\pi y$

3. $-y^2-2\pi y$

4. $2y^2+\pi y$

Question Number : 13 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

A ray of light is projected from the origin at angle of 60° with the positive direction of x-axis towards the line, $y=2$, which gets reflected from the point $(\alpha, 2)$. Then the distance of the reflected ray of light from

ZOLLEGE.in

1. $\sqrt{3}-1$

2. $2\left(1-\frac{1}{\sqrt{3}}\right)$

3. $3-\sqrt{3}$

4. $1-\frac{1}{\sqrt{3}}$

Question Number : 13 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

प्रकाश की एक किरण, मूल बिंदु से x-अक्ष की धनात्मक दिशा से 60° के कोण पर रेखा $y=2$ की ओर प्रक्षेपित की जाती है, जो कि बिंदु $(\alpha, 2)$ से परावर्तित हो जाती है। तो बिंदु $(2, 2)$ से परावर्तित प्रकाश की किरण की दूरी बराबर है :

Options :

1. $\sqrt{3}-1$

2. $2\left(1-\frac{1}{\sqrt{3}}\right)$

3. $3-\sqrt{3}$

4. $1-\frac{1}{\sqrt{3}}$

ZOLLEGE.in

પ્રકાશનું કિરણ x-અક્ષની ધનદિશા સાથે 60° નો ખૂણો બનાવે તે રીતે ઉગમબિંદુ પરથી રેખા $y=2$ તરફ પ્રક્ષેપ કરવામાં આવે છે, જે બિંદુ $(\alpha, 2)$ પરથી પરાવર્તિત થાય છે. તો પ્રકાશનાં આ પરાવર્તિત કિરણનું બિંદુ $(2, 2)$ થી અંતર _____ થાય.

Options :

1. $\sqrt{3}-1$

2. $2\left(1-\frac{1}{\sqrt{3}}\right)$

3. $3-\sqrt{3}$

4. $1-\frac{1}{\sqrt{3}}$

Question Number : 14 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Let the ellipse, $\frac{x^2}{a^2}+\frac{y^2}{b^2}=1$, $a > b$, pass through the point $(2, 3)$ and have eccentricity equal to $\frac{1}{2}$. Then equation of the normal to this ellipse at $(2, 3)$ is :

Options :

1. $2y-x=4$

2. $2x-y=1$

3. $3x-y=3$

ZOLLEGE.in

4. $3x-2y=0$

Question Number : 14 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

माना दीर्घवृत्त $\frac{x^2}{a^2}+\frac{y^2}{b^2}=1$, $a > b$, बिंदु $(2, 3)$

से हो कर जाता है तथा इसकी उत्केंद्रता $\frac{1}{2}$ है, तो $(2,3)$

पर दीर्घवृत्त के अभिलंब का समीकरण है :

Options :

1. $2y-x=4$

2. $2x-y=1$

3. $3x-y=3$

4. $3x-2y=0$

Question Number : 14 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

ધારેકે ઉપવલય $\frac{x^2}{a^2}+\frac{y^2}{b^2}=1$, $a > b$ એ બિંદુ

$(2, 3)$ માંથી પસાર થાય છે અને તેની ઉત્કેન્દ્રતા $\frac{1}{2}$ છે.

તો $(2, 3)$ આગળ આ ઉપવલયના અભિલંબનું સમીકરણ _____ છે.

Options :

1. $2y-x=4$

ZOLLEGE.in

2. $2x-y=1$

3. $3x-y=3$

4. $3x-2y=0$

Question Number : 15 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

If a variable plane in 3-dimensional space moves in such a way that the sum of the reciprocals of its intercepts on the x and y-axes exceeds the reciprocal of its intercept on the z-axis by 2, then all such planes will pass through the point :

Options :

1. $\left(\frac{1}{2}, \frac{1}{2}, \frac{1}{2}\right)$

2. $\left(\frac{1}{2}, \frac{1}{2}, -\frac{1}{2}\right)$

3. $\left(\frac{1}{2}, -\frac{1}{2}, \frac{1}{2}\right)$

4. $\left(\frac{1}{2}, -\frac{1}{2}, -\frac{1}{2}\right)$

Question Number : 15 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

यदि एक चर समतल त्रिविमीय (3-dimensional) आकाश में इस प्रकार चलता है कि इसके x तथा y- अक्षों पर बने अन्त:खंडों के व्युत्क्रमों का योगफल इसके z-अक्ष पर बने अन्त:खंड के व्युत्क्रम से 2 अधिक है, तो ऐसे सभी समतल जिस बिंदु से होकर जाएँगे, वह है :

Options :

1. $\left(\frac{1}{2}, \frac{1}{2}, \frac{1}{2}\right)$

2. $\left(\frac{1}{2}, \frac{1}{2}, -\frac{1}{2}\right)$

3. $\left(\frac{1}{2}, -\frac{1}{2}, \frac{1}{2}\right)$

4. $\left(\frac{1}{2}, -\frac{1}{2}, -\frac{1}{2}\right)$

Question Number : 15 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

જો ત્રિપરિમાણીય અવકાશમાં એક ચલિત સમતલ એ રીતે ખસે છે કે જેથી x અને y-અક્ષો પરનાં તેના અંત:ખંડોના વ્યસ્તનો સરવાળો એ z-અક્ષ પરનાં તેના અંત:ખંડનાં વ્યસ્ત કરતા 2 જેટલો વધુ હોય, તો આવા દરેક સમતલો _____ બિંદુમાંથી પસાર થશે.

Options :

1. $\left(\frac{1}{2}, \frac{1}{2}, \frac{1}{2}\right)$

2. $\left(\frac{1}{2}, \frac{1}{2}, -\frac{1}{2}\right)$

ZOLLEGE.in

3. $\left(\frac{1}{2}, -\frac{1}{2}, \frac{1}{2}\right)$

4. $\left(\frac{1}{2}, -\frac{1}{2}, -\frac{1}{2}\right)$

Question Number : 16 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

If the volume of a parallelopiped whose coterminous edges are $\vec{a} = \hat{i} + \hat{j} + 2\hat{k}$, $\vec{b} = 2\hat{i} + \lambda\hat{j} + \hat{k}$ and $\vec{c} = 2\hat{i} + 2\hat{j} + \lambda\hat{k}$ is 35 cu.m, then a value of $\vec{a}\cdot\vec{b} + \vec{b}\cdot\vec{c} - \vec{c}\cdot\vec{a}$ is:

Options :

1. 2

2. -14

3. -10

4. 22

Question Number : 16 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

यदि एक समांतर षट्फलक जिसके सहावसानी (coterminous) किनारे $\vec{a} = \hat{i} + \hat{j} + 2\hat{k}$, $\vec{b} = 2\hat{i} + \lambda\hat{j} + \hat{k}$ तथा $\vec{c} = 2\hat{i} + 2\hat{j} + \lambda\hat{k}$ हैं का आयतन 35 घन मी. है तो

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Options :

1. 2

2. -14

3. -10

4. 22

Question Number : 16 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

જેની એકબીજાને સંલગ્ન બાજુઓ $\vec{a} = \hat{i} + \hat{j} + 2\hat{k}$,
$\vec{b} = 2\hat{i} + \lambda\hat{j} + \hat{k}$ અને $\vec{c} = 2\hat{i} + 2\hat{j} + \lambda\hat{k}$
હોય તેવા સમાંતર ફલકનું ઘનફળ 35 ઘન મી. હોય, તો
$\vec{a}\cdot\vec{b} + \vec{b}\cdot\vec{c} - \vec{c}\cdot\vec{a}$ ની કિંમત _____
થાય.

Options :

1. 2

2. -14

3. -10

4. 22

ZOLLEGE.in

If $10\sin^4\alpha+15\cos^4\alpha=6,\ \alpha\in\left(-\frac{\pi}{2},\frac{\pi}{2}\right)$,

then $27\,\mathrm{cosec}^6\alpha+8\sec^6\alpha$ is equal to :

Options :

1. 280

2. 270

3. 250

4. 240

Question Number : 17 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

यदि $10\sin^4\alpha+15\cos^4\alpha=6,\ \alpha\in\left(-\frac{\pi}{2},\frac{\pi}{2}\right)$

है, तो $27\,\mathrm{cosec}^6\alpha+8\sec^6\alpha$ बराबर है :

Options :

1. 280

2. 270

3. 250

4. 240

Question Number : 17 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

Options :

1. 280

2. 270

3. 250

4. 240

Question Number : 18 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

A bag contains 6 red balls and 10 green balls. 3 balls are drawn from it one by one randomly without replacement. If the 3rd drawn ball is red, then the probability that the first two drawn balls are green is :

Options :

1. 3/7

2. 3/8

3. 9/56

4. 9/49

Question Number : 18 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

ZOLLEGE.in

एक थैले में 6 लाल तथा 10 हरी गेंदें हैं। इसमें से एक एक करके यादृच्छया 3 गेंदे, बिना प्रतिस्थापना के, निकाली जाती हैं। यदि निकाली गई तीसरी गेंद लाल है, तो निकाली गई पहली दो गेंदों के हरी होने की प्रायिकता है :

Options :

1. 3/7

2. 3/8

3. 9/56

4. 9/49

Question Number : 18 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

એક થેલામાં 6 લાલ દડા અને 10 લીલા દડા છે. તેમાંથી 3 દડા યાદચ્છિક રીતે એક પછી એક પુરવણીરહિત લેવામાં આવે છે. જો લેવામાં આવેલ ત્રીજો દડો લાલ હોય, તો પહેલા લેવામાં આવેલ બે દડા લીલા હોય તેની સંભાવના _____ થાય.

Options :

1. 3/7

2. 3/8

3. 9/56

ZOLLEGE.in

4. 9/49

Question Number : 19 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Let the data $4, 10, x, y, 27$ be in the increasing order. If the median of the data is 18 and its mean deviation about mean is 7.6, then the mean of this data is :

Options :

1. 15.5

2. 16

3. 16.5

4. 17

Question Number : 19 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

माना आँकड़े $4, 10, x, y, 27$ बढ़ते क्रम में हैं। यदि आँकड़ों का माध्यक 18 है तथा इनका माध्य के सापेक्ष माध्य विचलन 7.6 है, तो इन आँकड़ों का माध्य है :

Options :

1. 15.5

2. 16

3. 16.5

ZOLLEGE.in

4. 17

Question Number : 19 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

ધારોકે માહિતી $4, 10, x, y, 27$ એ વધતા ક્રમમાં છે. જો માહિતીનો મધ્યસ્થ 18 હોય અને તેનું મધ્યકની સાપેક્ષ સરેરાશ વિચલન 7.6 હોય, તો આ માહિતીનો મધ્યક _____ છે.

Options :

1. 15.5

2. 16

3. 16.5

4. 17

Question Number : 20 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Which of the following is not equivalent to $\sim p \wedge q$?

Options :

1. $\sim(p \vee \sim q)$

2. $\sim p \rightarrow \sim q$

3. $\sim (q \rightarrow p)$

ZOLLEGE.in

4. $\sim p \wedge (\sim p \rightarrow q)$

Question Number : 20 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन सा $\sim p \wedge q$ के तुल्य **नहीं** है?

Options :

1. $\sim(p \vee \sim q)$

2. $\sim p \rightarrow \sim q$

3. $\sim (q \rightarrow p)$

4. $\sim p \wedge (\sim p \rightarrow q)$

Question Number : 20 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

નીચેનામાંથી ક્યું $\sim p \wedge q$ ને સમકક્ષ નથી?

Options :

1. $\sim(p \vee \sim q)$

2. $\sim p \rightarrow \sim q$

3. $\sim (q \rightarrow p)$

4. $\sim p \wedge (\sim p \rightarrow q)$

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Sub-Section Number: 2
Sub-Section Id: 40503625
Question Shuffling Allowed : Yes

Question Number : 21 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

If the total number of ways in which 8-digit numbers can be formed by using all the digits 0, 1, 2, 3, 4, 5, 7, 9 such that no two even digits appear together is (5!)k, then k is equal to _____.

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
100 to 100

Question Number : 21 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

यदि सभी अंकों 0, 1, 2, 3, 4, 5, 7, 9 के प्रयोग से, 8-अंकों वाली ऐसी संख्याएँ, जिनमें कोई भी दो समअंक एक साथ न आएँ, बनाए जा सकने के कुल तरीकों की संख्या (5!)k है, तो k का मान है _____।

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
100 to 100

Question Number : 21 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

જો બધાજ અંકો 0, 1, 2, 3, 4, 5, 7, 9 નો ઉપયોગ કરી ને, કોઇપણ બે યુગ્મ અંકો એક સાથે ન આવે તે રીતે 8-અંકોની સંખ્યા બનાવવાની રીતો (5!)k હોય, તો k = _____.

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
100 to 100

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Let $f(x) = \begin{cases} |x-3| , & \text{if } x < -1 \\ 3x+4 , & \text{if } x \geqslant -1 \end{cases}$,

$g(x) = x^2 - bx - 2$ $(x \in \mathbf{R})$ and b is a real constant. If gof is continuous at $x = -1$, then b is equal to _____.

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
5 to 5

Question Number : 22 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

माना $f(x) = \begin{cases} |x-3| , & \text{यदि } x < -1 \\ 3x+4 , & \text{यदि } x \geqslant -1 \end{cases}$,

$g(x) = x^2 - bx - 2$, $(x \in \mathbf{R})$ तथा b एक वास्तविक अचर है। यदि gof, $x = -1$ पर संतत है, तो b बराबर है _____।

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
5 to 5

Question Number : 22 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

ધારોકે $f(x) = \begin{cases} |x-3| , & \text{જો } x < -1 \\ 3x+4 , & \text{જો } x \geqslant -1 \end{cases}$,

$g(x) = x^2 - bx - 2$, $(x \in \mathbf{R})$ અને b એ વાસ્તવિક અચળાંક છે. જો gof એ $x = -1$ આગળ સતત હોય તો b = _____ થાય.

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
5 to 5

Question Number : 23 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

If $\int e^{2x} (\cos x + 7 \sin x)\, dx = e^{2x} g(x) + c$,

where c is a constant of integration, then

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Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
2 to 2

Question Number : 23 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

यदि

$$\int e^{2x}\,(\cos x + 7\sin x)\,dx = e^{2x}g(x) + c \text{ है,}$$

जहाँ c एक समाकलन अचर है, तो $g(0) + g\left(\frac{\pi}{2}\right)$

बराबर है _____ ।

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
2 to 2

Question Number : 23 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

જો

$$\int e^{2x}\,(\cos x + 7\sin x)\,dx = e^{2x}g(x) + c,$$

જ્યાં c એ સંકલનનો અચળાંક હોય તો $g(0) + g\left(\frac{\pi}{2}\right) =$

_____ થાય.

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
2 to 2

Question Number : 24 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

If the line joining the points $(-1, 2, 5)$ and $(3, 4, -10)$ intersects the xy-plane at the point (x, y, z), then $\frac{y}{x}$ is equal to _____.

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range

ZOLLEGE.in

Question Number : 24 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

यदि बिंदुओं $(-1,2,5)$ तथा $(3, 4, -10)$ को मिलाने वाली रेखा xy-समतल को बिंदु (x, y, z) पर काटती है, तो $\frac{y}{x}$ का मान है _____ ।

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
8 to 8

Question Number : 24 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

બિંદુઓ $(-1, 2, 5)$ અને $(3, 4, -10)$ ને જોડતી રેખા xy-સમતલને બિંદુ (x, y, z) માં છેદતી હોય તો $\frac{y}{x}=$ _____ થાય.

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
8 to 8

Question Number : 25 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

Let $a, b \in \mathbf{R}$ and $a > 0$. If the tangent at the point $(2, 2)$ to the circle $x^2+y^2=8$ touches the parabola $y^2=4a(x-b)$, then $b-a$ is equal to _____.

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
4 to 4

Question Number : 25 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

माना $a, b \in \mathbf{R}$ तथा $a > 0$ हैं। यदि वृत्त $x^2+y^2=8$ के बिंदु $(2, 2)$ पर खींची गई स्पर्शरेखा, परवलय $y^2=4a(x-b)$ को स्पर्श करती है, तो $b-a$ बराबर है _____ ।

Response Type: Numeric

ZOLLEGE.in

Possible Answers :

4 to 4

Question Number : 25 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

ધારોકે $a, b \in R$ અને $a > 0$. જો વર્તુળ $x^2 + y^2 = 8$ નો બિંદુ $(2, 2)$ આગળનો સ્પર્શક, પરવલય $y^2 = 4a(x - b)$ ને સ્પર્શે તો $b - a =$ _____ થાય.

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :

4 to 4

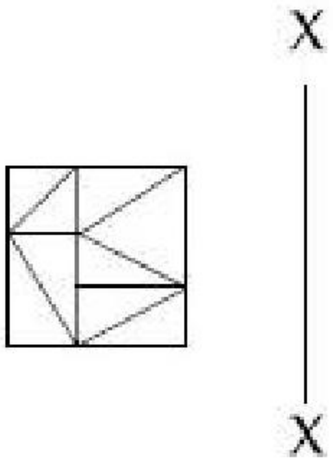
Aptitude Test

Section Id :	40503618
Section Number :	2
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	50
Number of Questions to be attempted:	50
Section Marks:	200

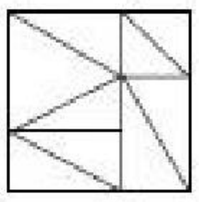
Sub-Section Number:	1
Sub-Section Id:	40503626
Question Shuffling Allowed :	Yes

Question Number : 26 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

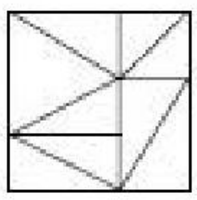
Which one of the answer figures is the correct mirror image of the problem figure with respect to X – X ?

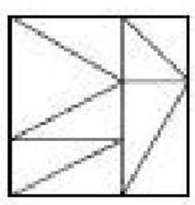


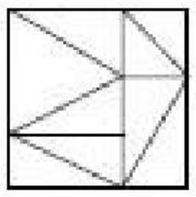
Options :

1. 

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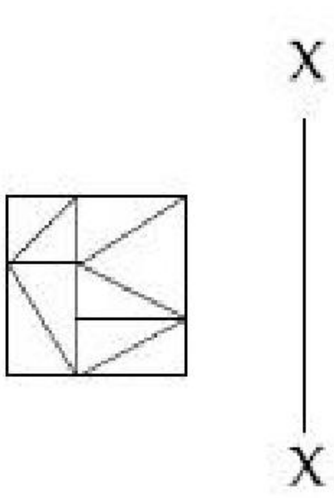
2. 

3. 

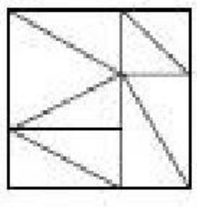
4. 

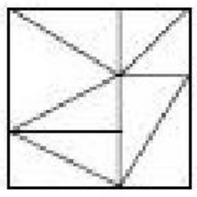
Question Number : 26 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

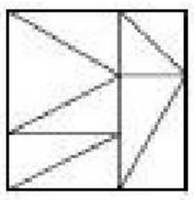
उत्तर आकृतियों में से कौनसी आकृति दी गयी प्रश्न आकृति का X – X से सम्बंधित सही दर्पण प्रतिबिम्ब है?



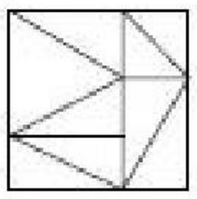
Options :

1. 

2. 

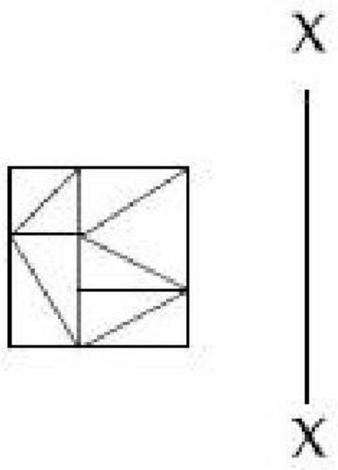
3. 

ZOLLEGE.in

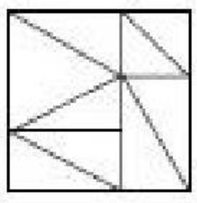
4. 

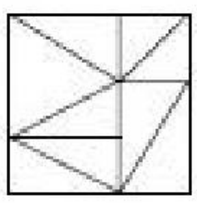
Question Number : 26 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

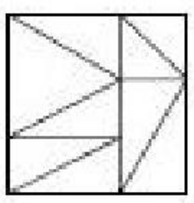
જવાબ આકૃતિઓમાંની કઈ આકૃતિ પ્રશ્ન આકૃતિનું X – X ની સાપેક્ષ દર્પણ પ્રતિબિંબ (mirror image) છે ?

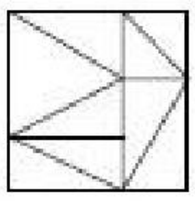


Options :

1. 

2. 

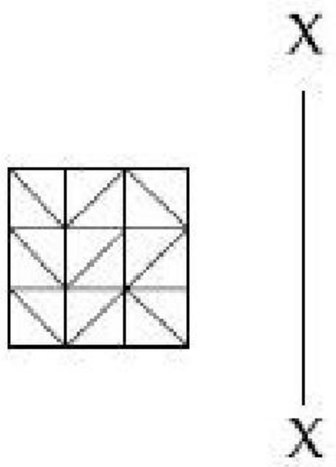
3. 

4. 

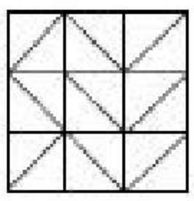
Question Number : 27 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

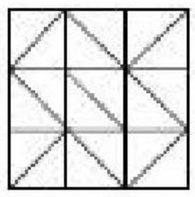
ZOLLEGE.in

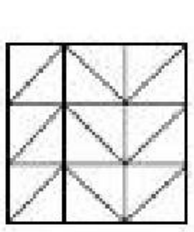
Which one of the answer figures is the correct mirror image of the problem figure with respect to X – X ?

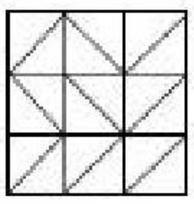


Options :

1. 

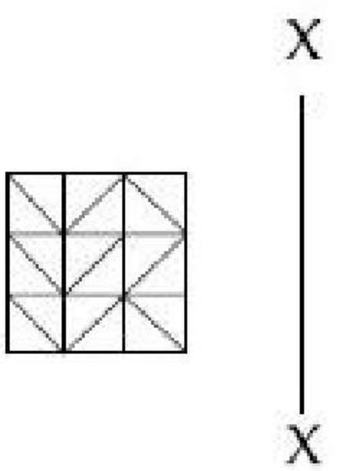
2. 

3. 

4. 

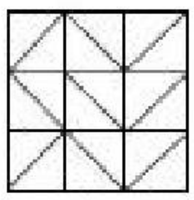
Question Number : 27 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

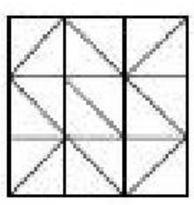
उत्तर आकृतियों में से कौनसी आकृति दी गयी प्रश्न आकृति का X – X से सम्बंधित सही दर्पण प्रतिबिम्ब है?

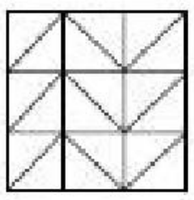


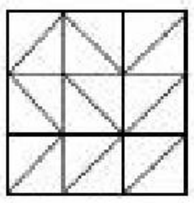
Options :

ZOLLEGE.in

1. 

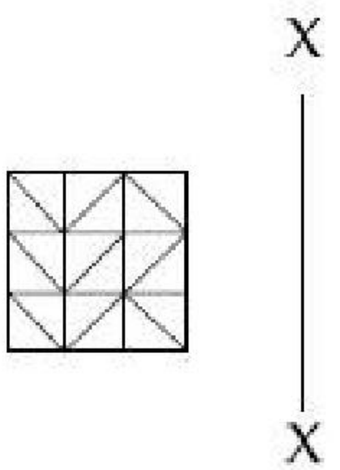
2. 

3. 

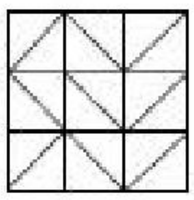
4. 

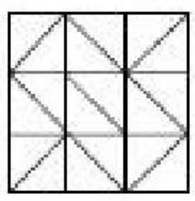
Question Number : 27 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંની કઈ આકૃતિ પ્રશ્ન આકૃતિનું X – X ની સાપેક્ષ દર્પણ પ્રતિબિંબ (mirror image) છે ?

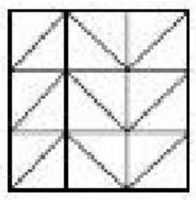


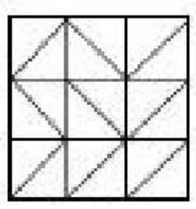
Options :

1. 

2. 

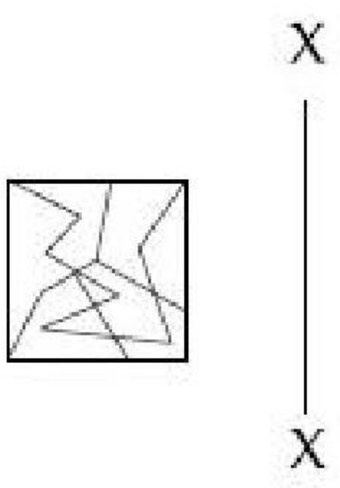
ZOLLEGE.in

3. 

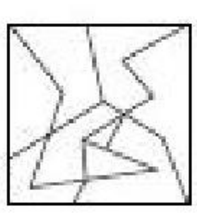
4. 

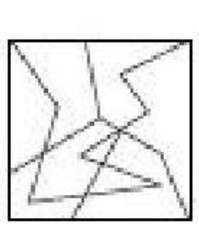
Question Number : 28 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

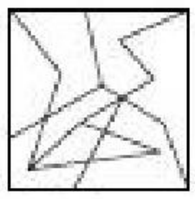
Which one of the answer figures is the correct mirror image of the problem figure with respect to X – X ?

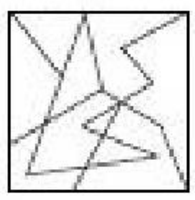


Options :

1. 

2. 

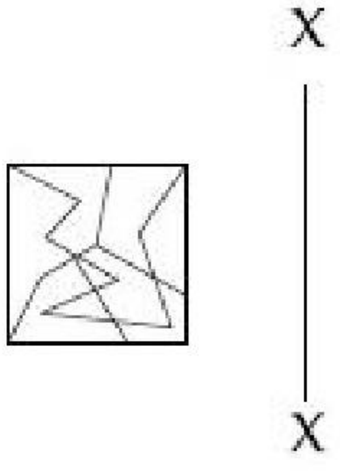
3. 

4. 

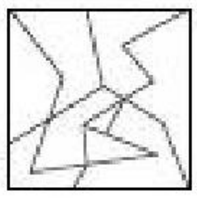
ZOLLEGE.in

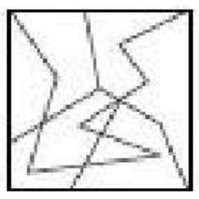
Correct Marks : 4 Wrong Marks : 1

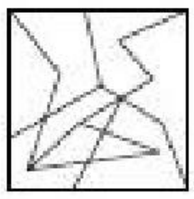
उत्तर आकृतियों में से कौनसी आकृति दी गयी प्रश्न आकृति का X – X से सम्बंधित सही दर्पण प्रतिबिम्ब है?

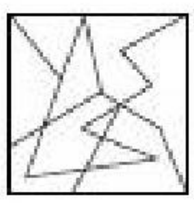


Options :

1. 

2. 

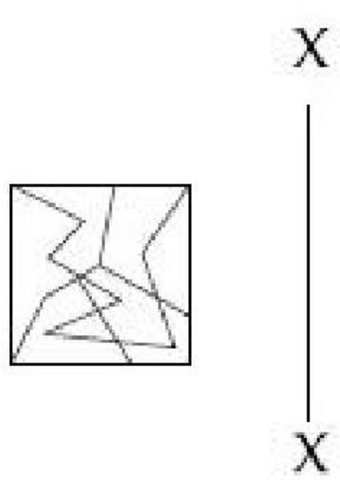
3. 

4. 

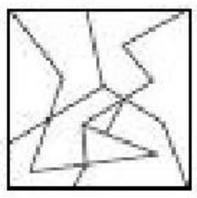
Question Number : 28 Question Type : MCQ Option Shuffling : Yes

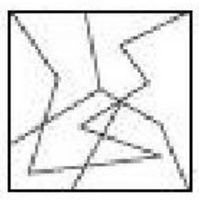
Correct Marks : 4 Wrong Marks : 1

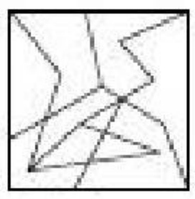
જવાબ આકૃતિઓમાંની કઈ આકૃતિ પ્રશ્ન આકૃતિનું X – X ની સાપેક્ષ દર્પણ પ્રતિબિંબ (mirror image) છે ?

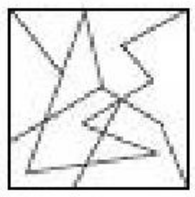


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1. 

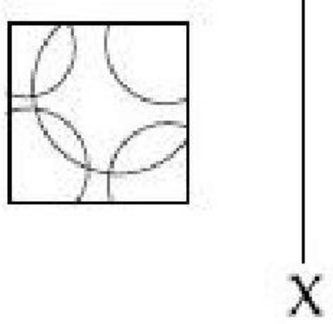
2. 

3. 

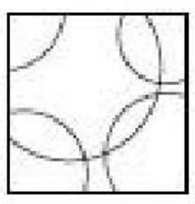
4. 

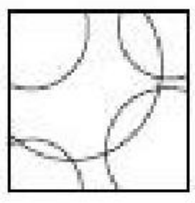
Question Number : 29 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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

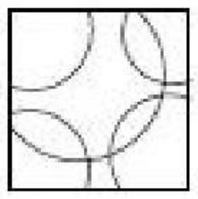


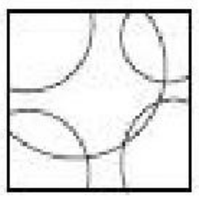
Options :

1. 

2. 

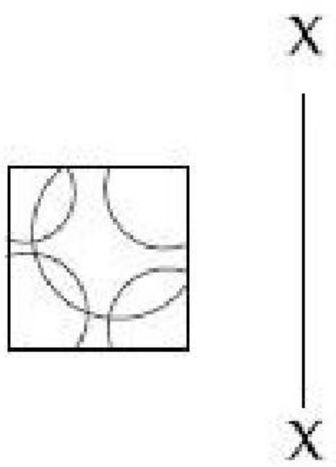
ZOLLEGE.in

3. 

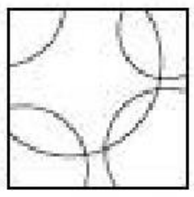
4. 

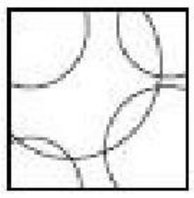
Question Number : 29 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

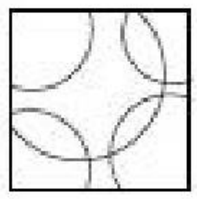
उत्तर आकृतियों में से कौनसी आकृति दी गयी प्रश्न आकृति का X – X से सम्बंधित सही दर्पण प्रतिबिम्ब है?

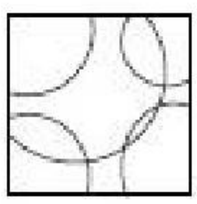


Options :

1. 

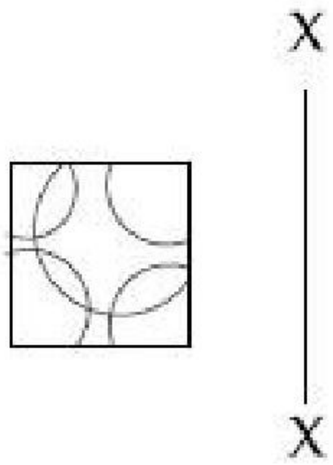
2. 

3. 

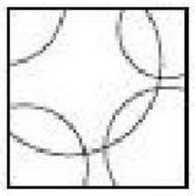
4. 

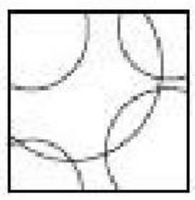
ZOLLEGE.in

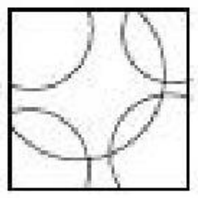
જવાબ આકૃતિઓમાંની કઈ આકૃતિ પ્રશ્ન આકૃતિનું X – X ની સાપેક્ષ દર્પણ પ્રતિબિંબ (mirror image) છે ?

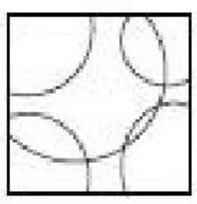


Options :

1. 

2. 

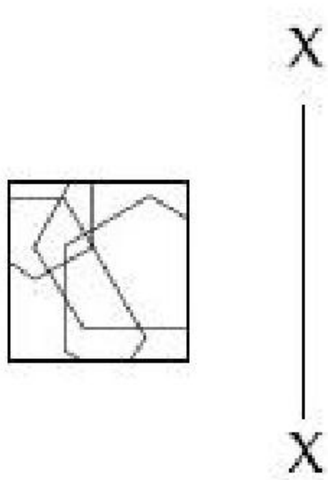
3. 

4. 

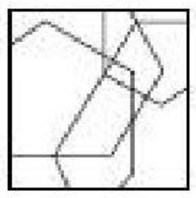
Question Number : 30 Question Type : MCQ Option Shuffling : Yes

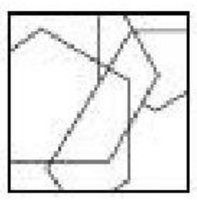
Correct Marks : 4 Wrong Marks : 1

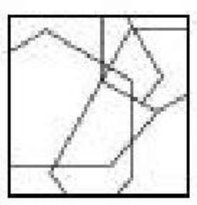
Which one of the answer figures is the correct mirror image of the problem figure with respect to X – X ?

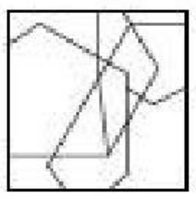


ZOLLEGE.in

1. 

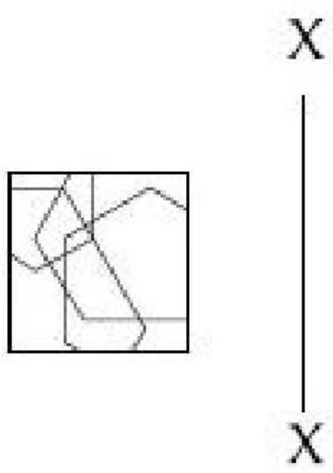
2. 

3. 

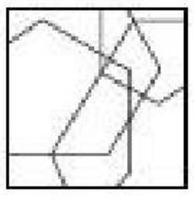
4. 

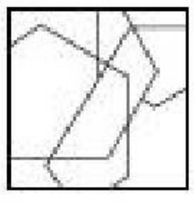
Question Number : 30 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

उत्तर आकृतियों में से कौनसी आकृति दी गयी प्रश्न आकृति का X – X से सम्बंधित सही दर्पण प्रतिबिम्ब है?

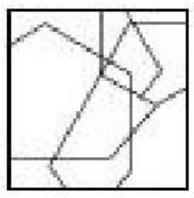


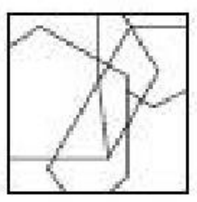
Options :

1. 

2. 

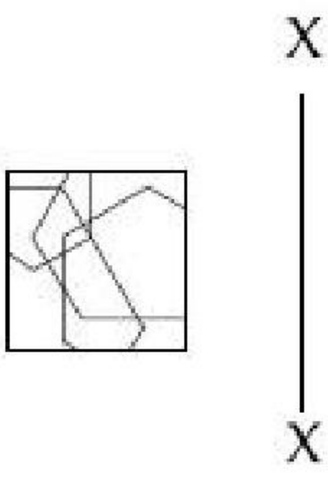
ZOLLEGE.in

3. 

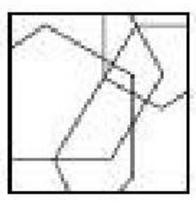
4. 

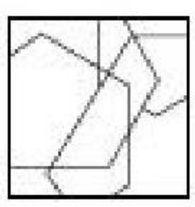
Question Number : 30 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

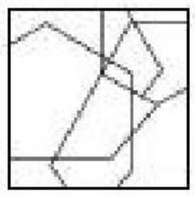
જવાબ આકૃતિઓમાંની કઈ આકૃતિ પ્રશ્ન આકૃતિનું X – X ની સાપેક્ષ દર્પણ પ્રતિબિંબ (mirror image) છે ?

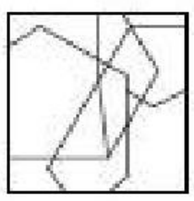


Options :

1. 

2. 

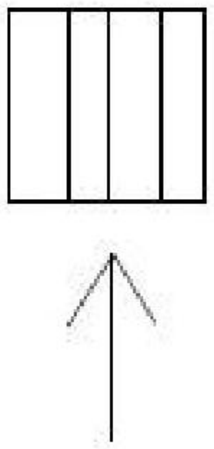
3. 

4. 

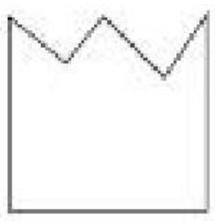
ZOLLEGE.in

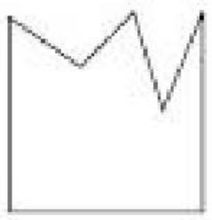
Question Number : 31 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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

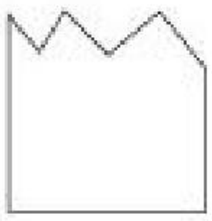


Options :

1. 

2. 

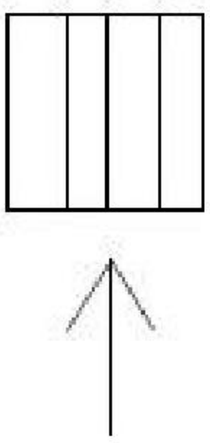
3. 

4. 

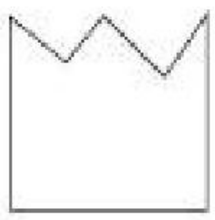
ZOLLEGE.in

Question Number : 31 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

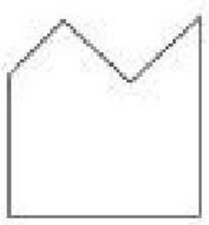
प्रश्न आकृति में किसी वस्तु का ऊपरी दृश्य दिखाया गया है। तीर की दिशा में देखते हुए उत्तर आकृतियों में से इसका सही सम्मुख दृश्य पहचानिये।

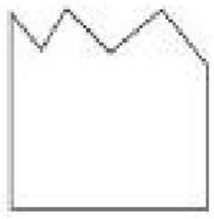


ZOLLEGE.in

1. 

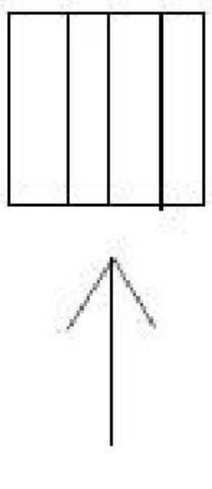
2. 

3. 

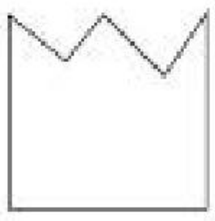
4. 

Question Number : 31 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

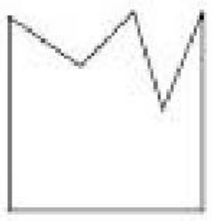
પ્રશ્ન આકૃતિ એક વસ્તુનું ઉપરી દશ્ય (top view) દર્શાવે છે. તીરની દિશામાં જોતાં, આનું સાચું ઉન્નત દશ્ય (elevation) જવાબ આકૃતિઓમાંથી શોધો.



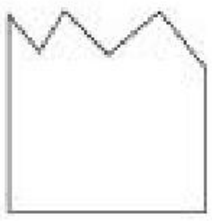
Options :

1. 

ZOLLEGE.in

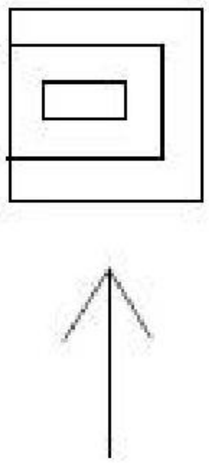
2. 

3. 

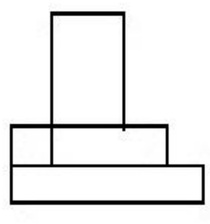
4. 

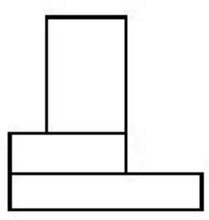
Question Number : 32 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

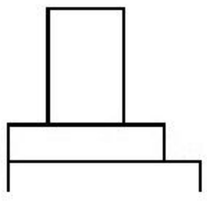
The problem figure shows the top view of an object. Identify the correct elevation from amongst the answer figures looking in the direction of the arrow.



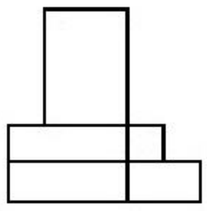
Options :

1. 

2. 

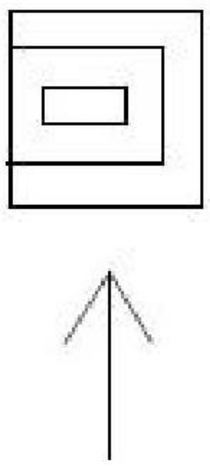
3. 

ZOLLEGE.in

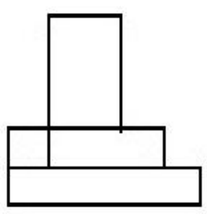
4. 

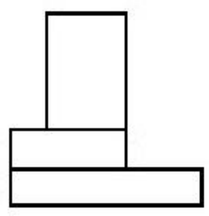
Question Number : 32 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

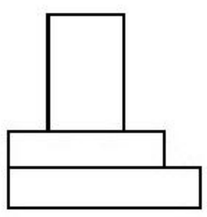
प्रश्न आकृति में किसी वस्तु का ऊपरी दृश्य दिखाया गया है। तीर की दिशा में देखते हुए उत्तर आकृतियों में से इसका सही सम्मुख दृश्य पहचानिये।

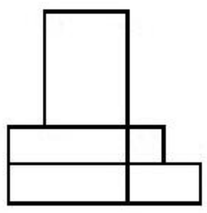


Options :

1. 

2. 

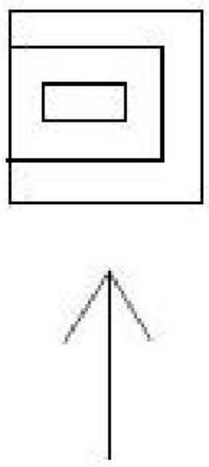
3. 

4. 

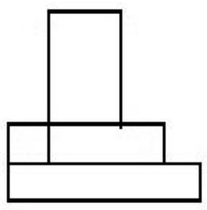
Question Number : 32 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

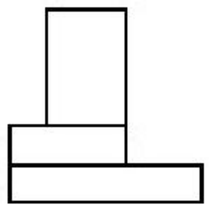
ZOLLEGE.in

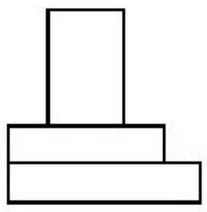
પ્રશ્ન આકૃતિ એક વસ્તુનું ઉપરી દશ્ય (top view) દર્શાવે છે. તીરની દિશામાં જોતાં, આનું સાચું ઉન્નત દશ્ય (elevation) જવાબ આકૃતિઓમાંથી શોધો.

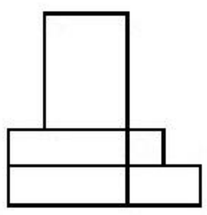


Options :

1. 

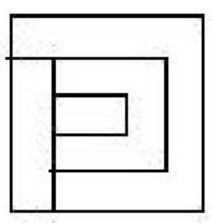
2. 

3. 

4. 

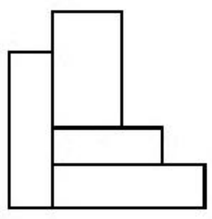
Question Number : 33 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

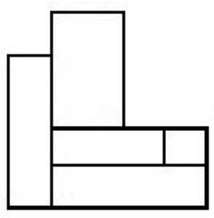
The problem figure shows the top view of an object. Identify the correct elevation from amongst the answer figures looking in the direction of the arrow.

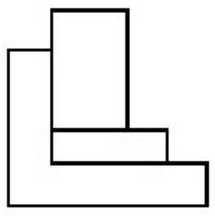


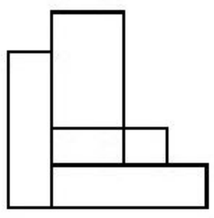
ZOLLEGE.in

Options :

1. 

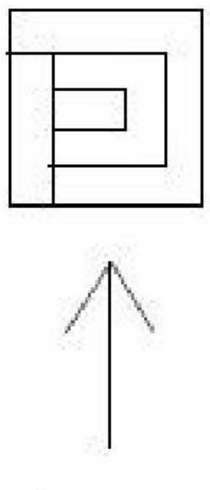
2. 

3. 

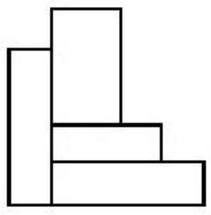
4. 

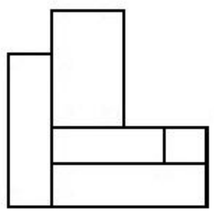
Question Number : 33 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

प्रश्न आकृति में किसी वस्तु का ऊपरी दृश्य दिखाया गया है। तीर की दिशा में देखते हुए उत्तर आकृतियों में से इसका सही सम्मुख दृश्य पहचानिये।

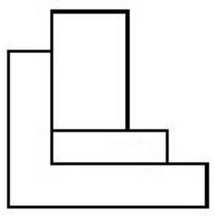


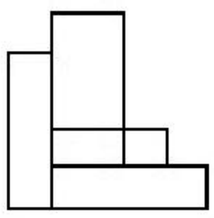
Options :

1. 

2. 

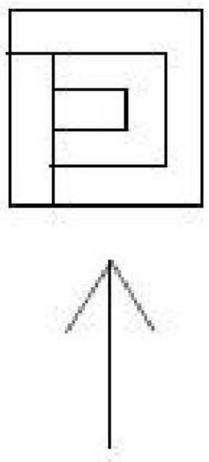
ZOLLEGE.in

3. 

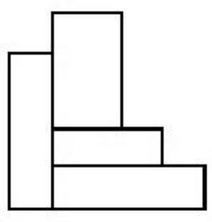
4. 

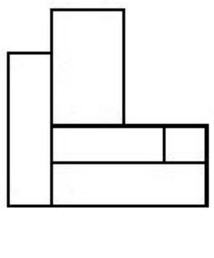
Question Number : 33 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

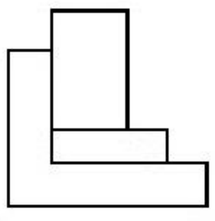
પ્રશ્ન આકૃતિ એક વસ્તુનું ઉપરી દશ્ય (top view) દર્શાવે છે. તીરની દિશામાં જોતાં, આનું સાચું ઉન્નત દશ્ય (elevation) જવાબ આકૃતિઓમાંથી શોધો.



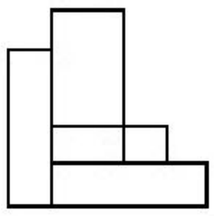
Options :

1. 

2. 

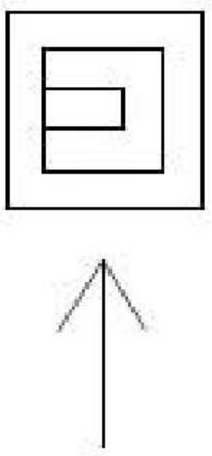
3. 

ZOLLEGE.in

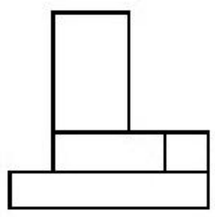
4. 

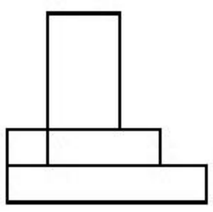
Question Number : 34 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

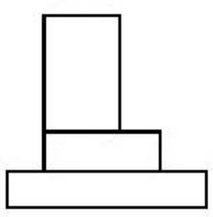
The problem figure shows the top view of an object. Identify the correct elevation from amongst the answer figures looking in the direction of the arrow.

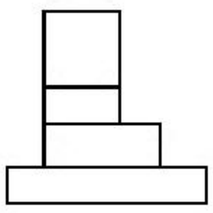


Options :

1. 

2. 

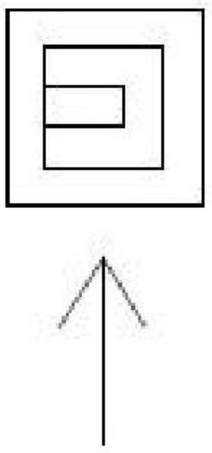
3. 

4. 

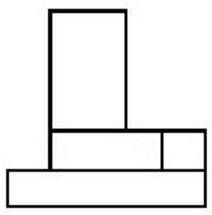
Question Number : 34 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

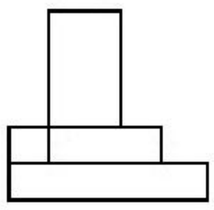
ZOLLEGE.in

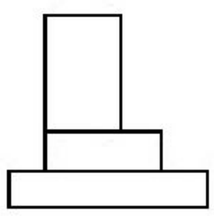
प्रश्न आकृति में किसी वस्तु का ऊपरी दृश्य दिखाया गया है। तीर की दिशा में देखते हुए उत्तर आकृतियों में से इसका सही सम्मुख दृश्य पहचानिये।

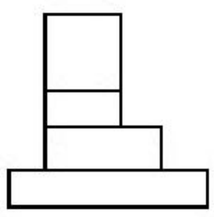


Options :

1. 

2. 

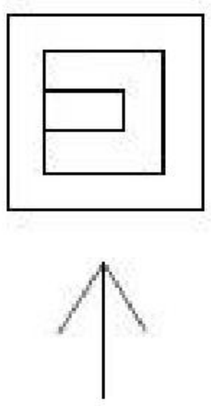
3. 

4. 

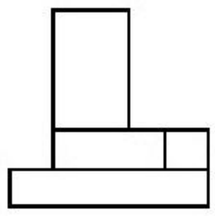
ZOLLEGE.in

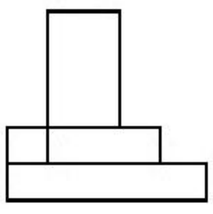
Question Number : 34 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

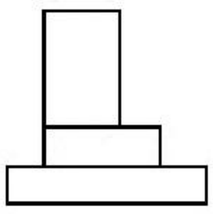
પ્રશ્ન આકૃતિ એક વસ્તુનું ઉપરી દશ્ય (top view) દર્શાવે છે. તીરની દિશામાં જોતાં, આનું સાચું ઉન્નત દશ્ય (elevation) જવાબ આકૃતિઓમાંથી શોધો.

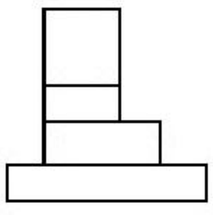


ZOLLEGE.in

1. 

2. 

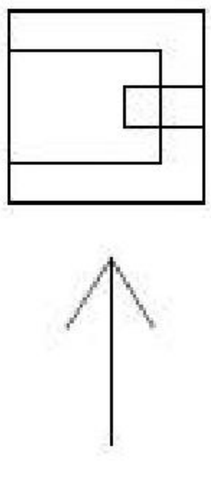
3. 

4. 

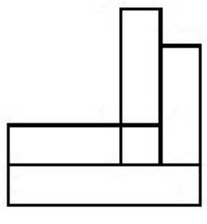
Question Number : 35 Question Type : MCQ Option Shuffling : Yes

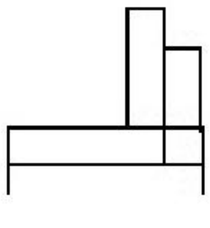
Correct Marks : 4 Wrong Marks : 1

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

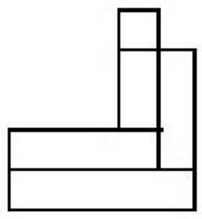


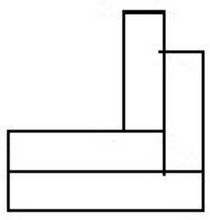
Options :

1. 

2. 

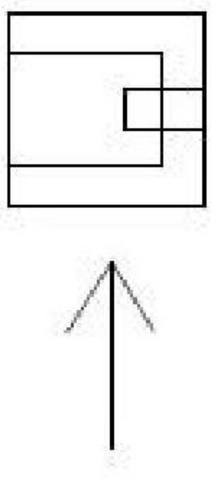
ZOLLEGE.in

3. 

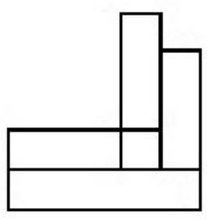
4. 

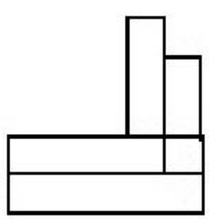
Question Number : 35 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

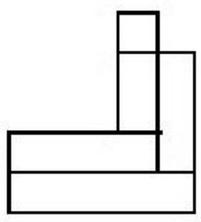
प्रश्न आकृति में किसी वस्तु का ऊपरी दृश्य दिखाया गया है। तीर की दिशा में देखते हुए उत्तर आकृतियों में से इसका सही सम्मुख दृश्य पहचानिये।

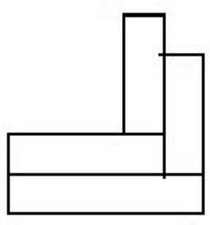


Options :

1. 

2. 

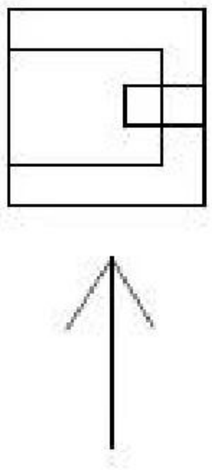
3. 

4. 

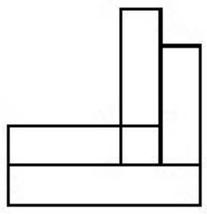
ZOLLEGE.in

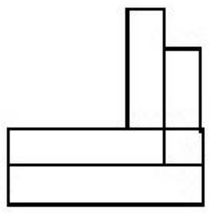
Question Number : 35 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

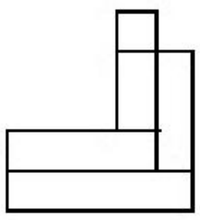
પ્રશ્ન આકૃતિ એક વસ્તુનું ઉપરી દશ્ય (top view) દર્શાવે છે. તીરની દિશામાં જોતાં, આનું સાચું ઉન્નત દશ્ય (elevation) જવાબ આકૃતિઓમાંથી શોધો.

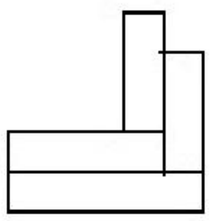


Options :

1. 

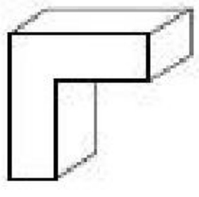
2. 

3. 

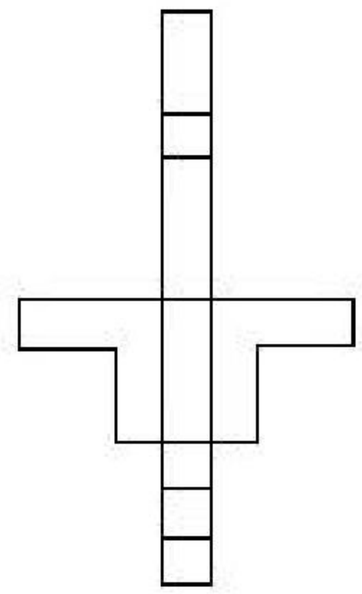
4. 

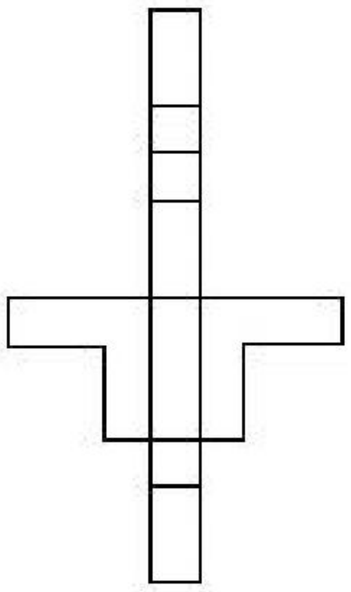
Question Number : 36 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

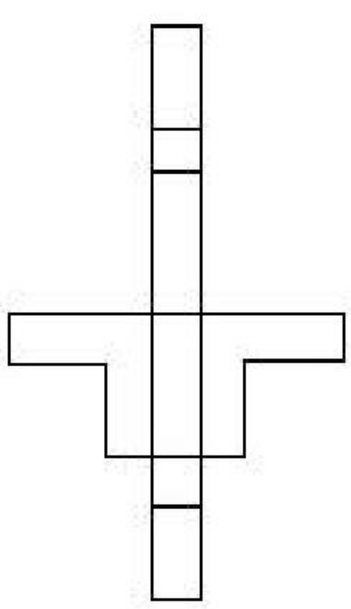
The 3 - D figure shows the view of an object. Identify the correct view when the figure is opened up, from amongst the answer figures.

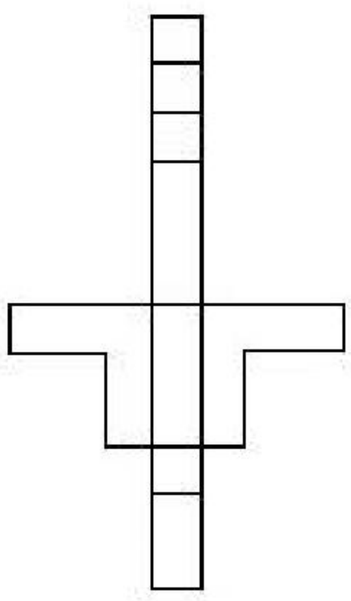


ZOLLEGE.in

1. 

2. 

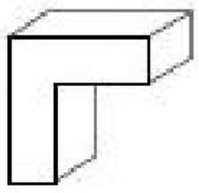
3. 

4. 

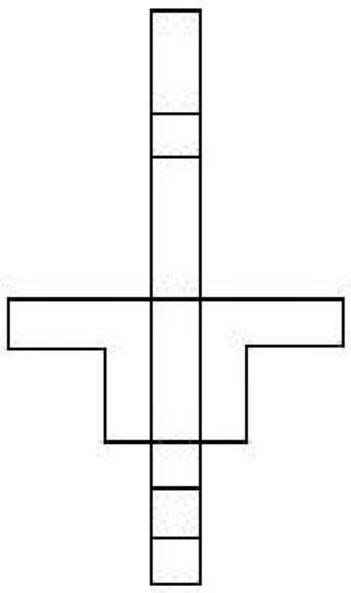
Question Number : 36 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

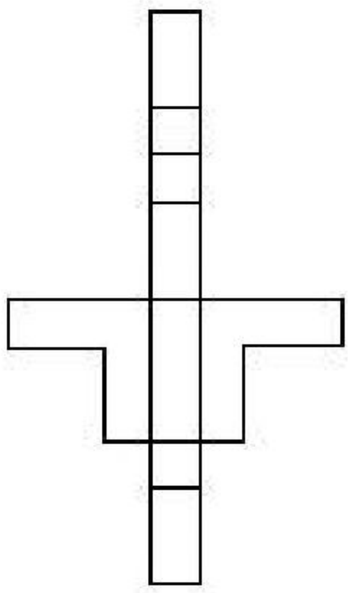
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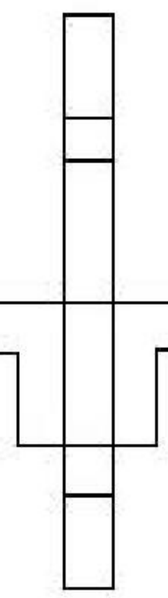
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। उत्तर दृश्यों में से, प्रश्न वस्तु के खुल जाने का सही दृश्य पहचानिये।



Options :

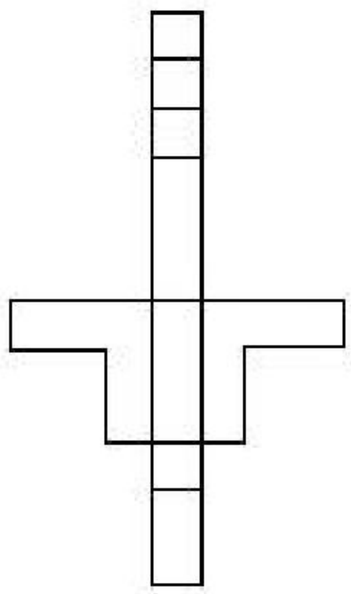
1. 

2. 

3. 

Z@LLEGE.in

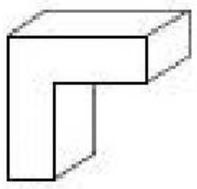
ZOLLEGE.in



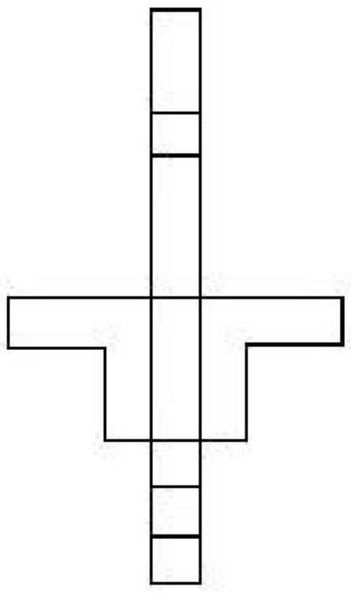
4.

Question Number : 36 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

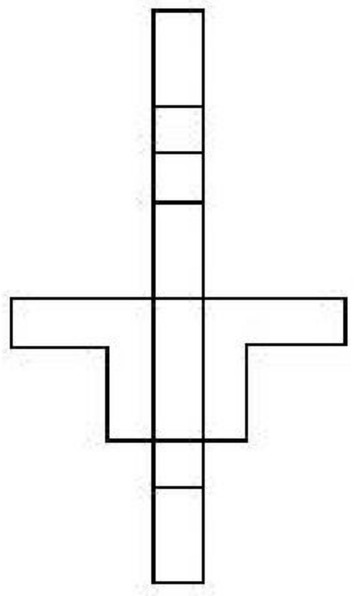
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આ આકૃતિને ખોલી દેવામાં આવે ત્યારે તેનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.



Options :



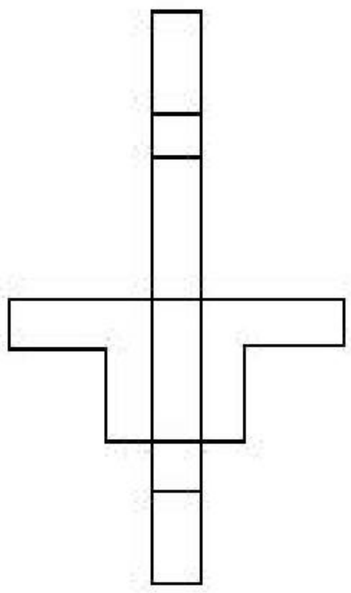
1.



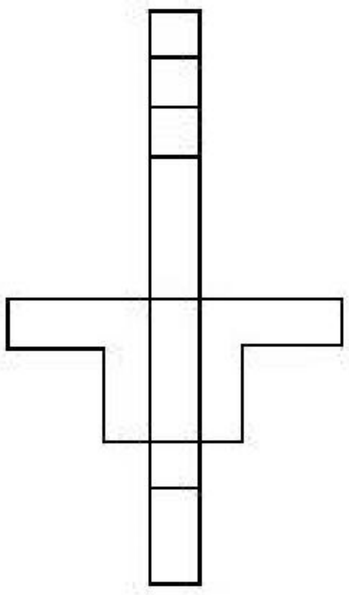
2.

ZOLLEGE.in

3.



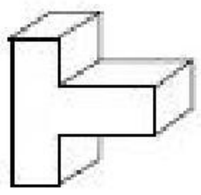
4.



ZOLLEGE.in

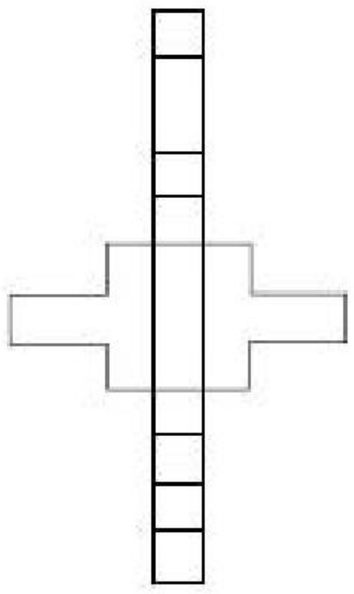
Question Number : 37 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct view when the figure is opened up, from amongst the answer figures.

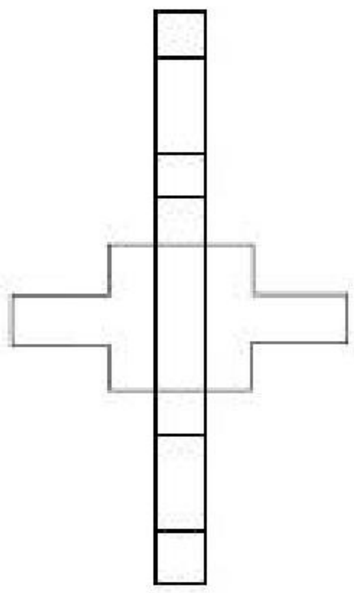


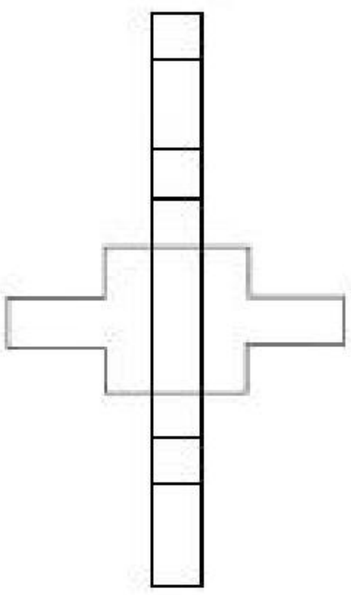
Options :

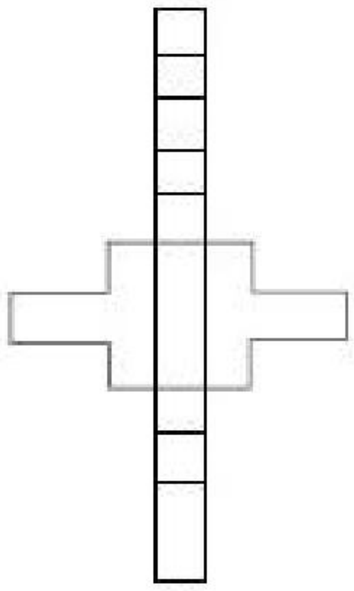
1.



ZOLLEGE.in

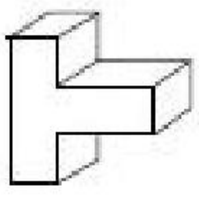
2. 

3. 

4. 

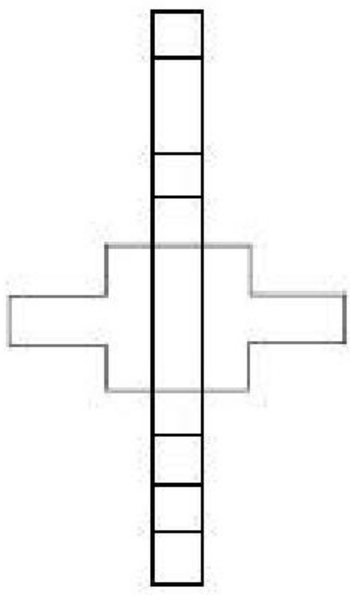
Question Number : 37 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

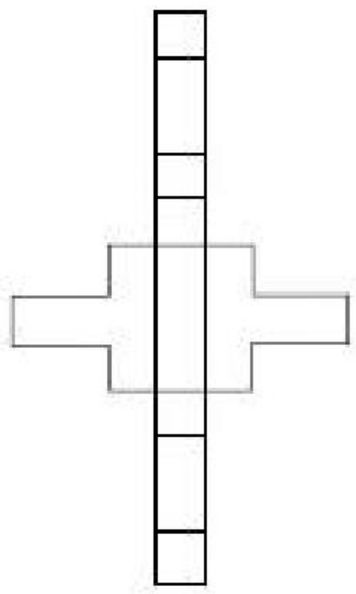
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। उत्तर दृश्यों में से, प्रश्न वस्तु के खुल जाने का सही दृश्य पहचानिये।

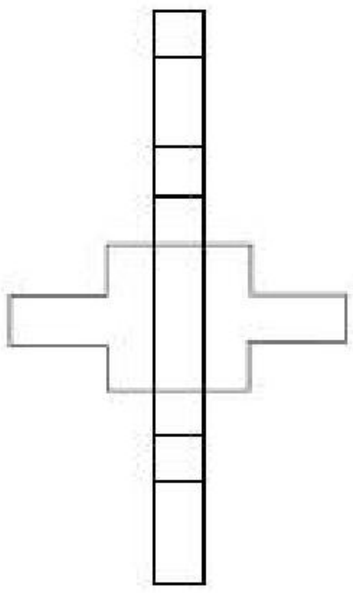


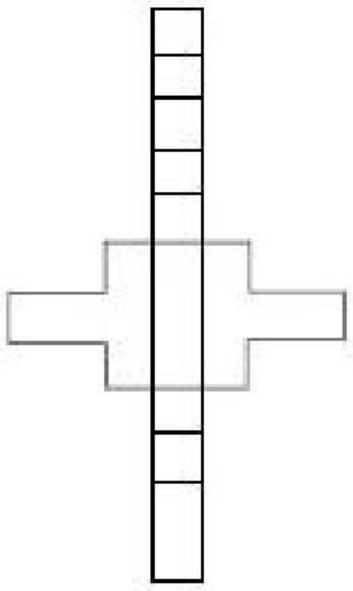
Options :

ZOLLEGE.in

1. 

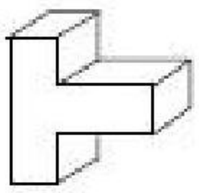
2. 

3. 

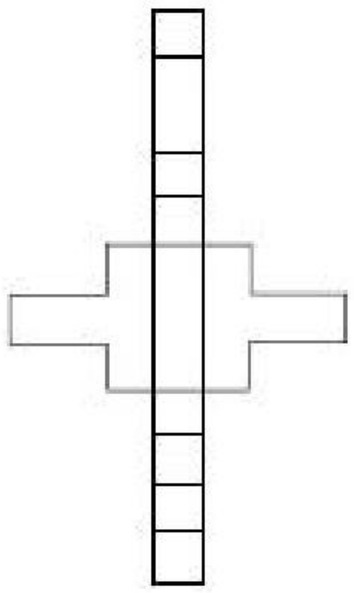
4. 

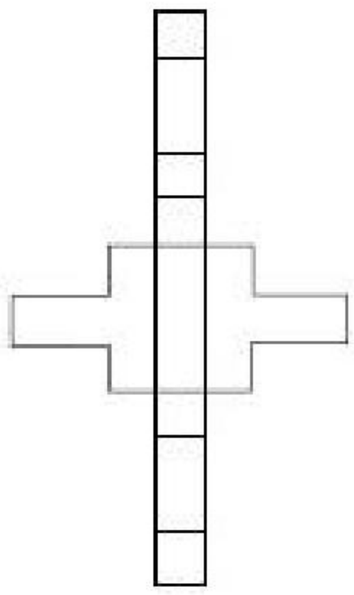
ZOLLEGE.in

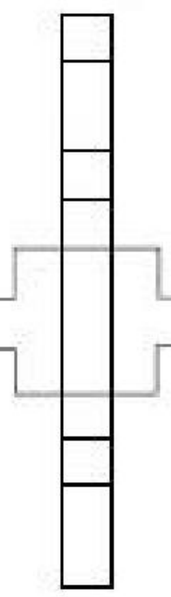
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આ આકૃતિને ખોલી દેવામાં આવે ત્યારે તેનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.



Options :

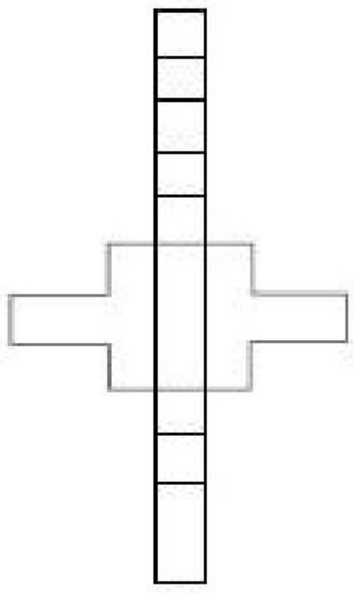
1. 

2. 

3. 

ZOLLEGE.in

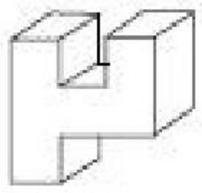
4.



Question Number : 38 Question Type : MCQ Option Shuffling : Yes

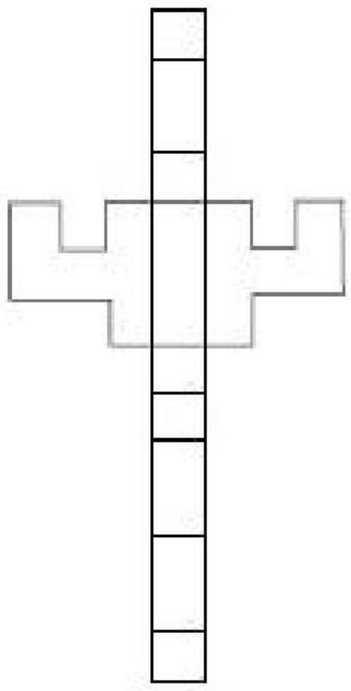
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct view when the figure is opened up, from amongst the answer figures.

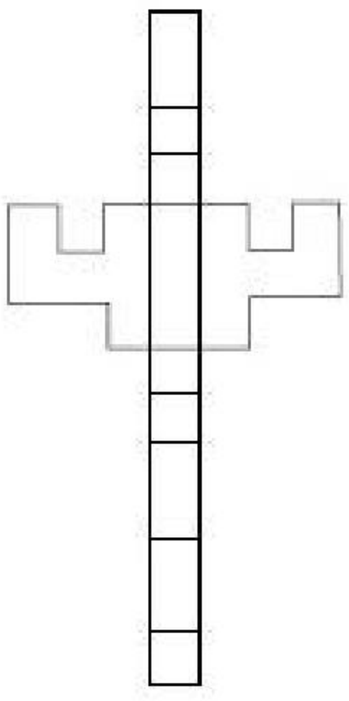


Options :

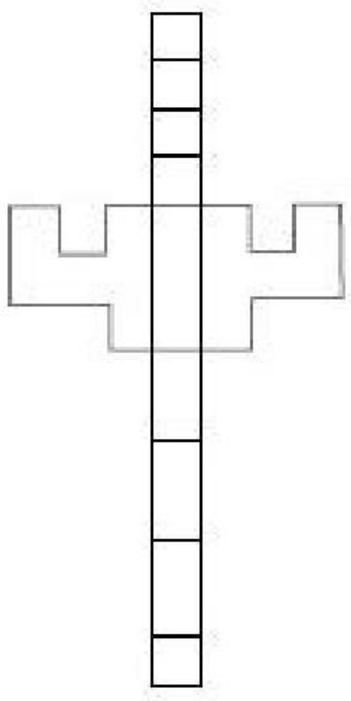
1.

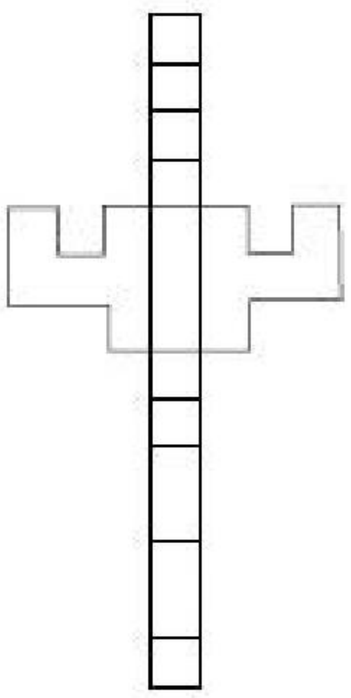


2.



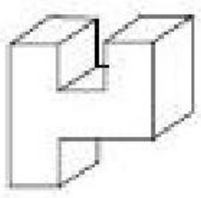
ZOLLEGE.in

3. 

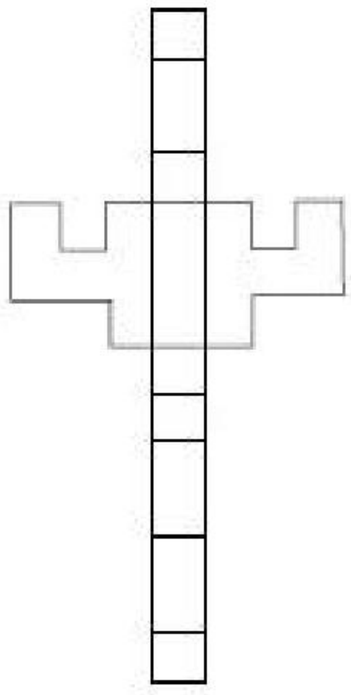
4. 

Question Number : 38 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। उत्तर दृश्यों में से, प्रश्न वस्तु के खुल जाने का सही दृश्य पहचानिये।

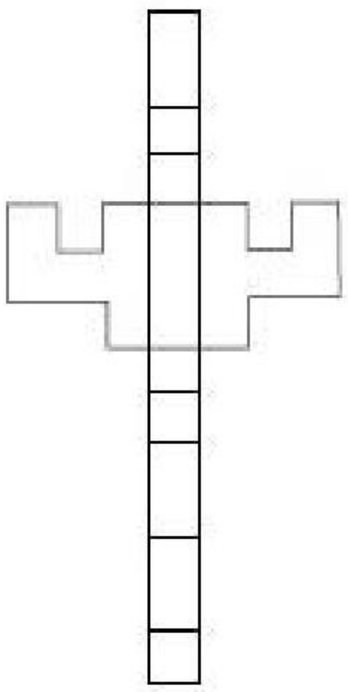


Options :

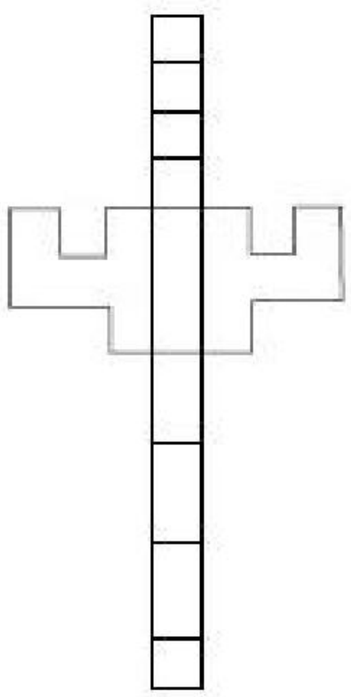
1. 

ZOLLEGE.in

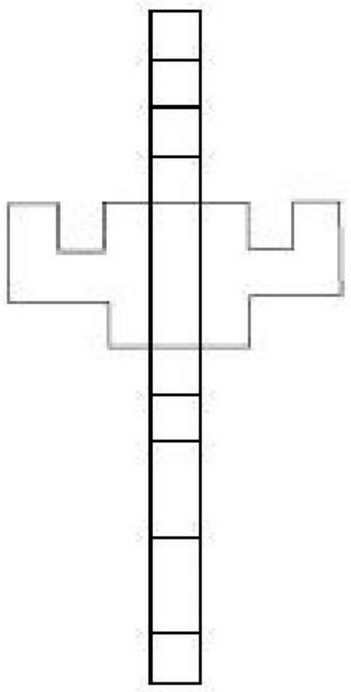
2.



3.

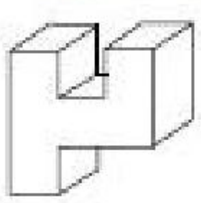


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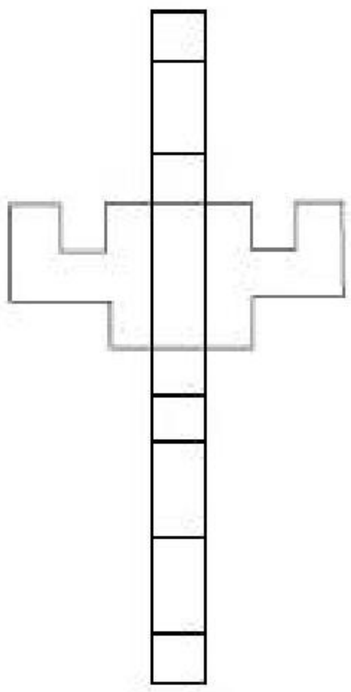


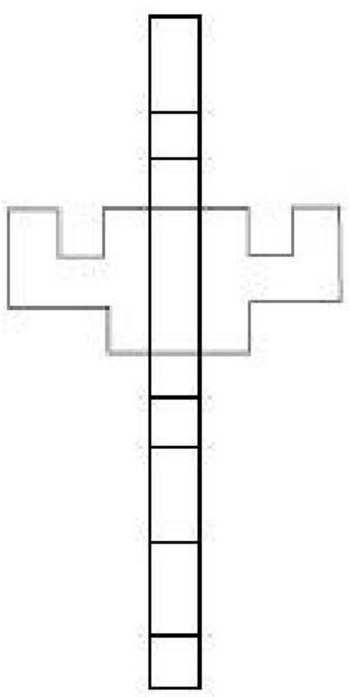
Question Number : 38 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

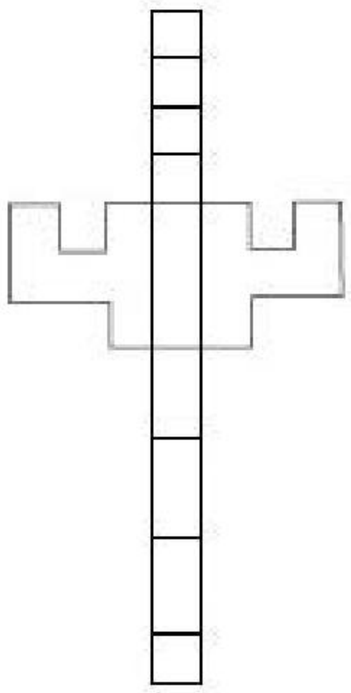
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આ આકૃતિને ખોલી દેવામાં આવે ત્યારે તેનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.



ZOLLEGE.in

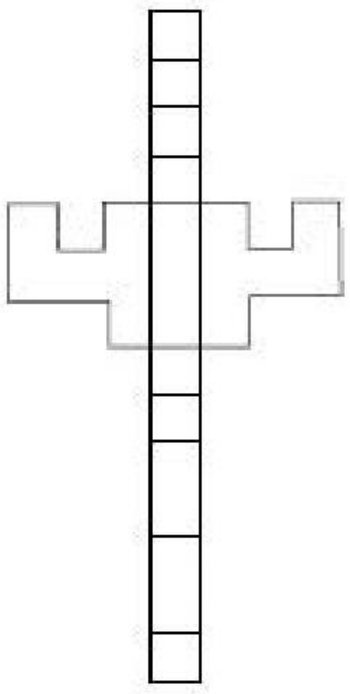
1. 

2. 

3. 

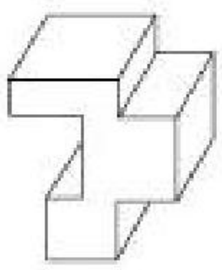
ZOLLEGE.in

4.



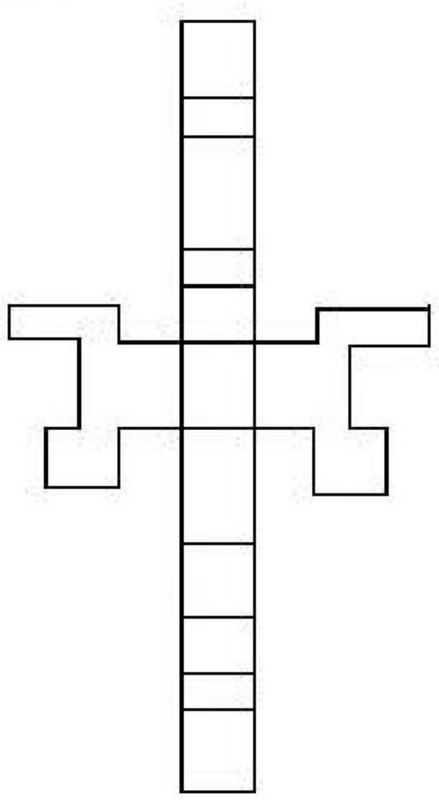
Question Number : 39 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct view when the figure is opened up, from amongst the answer figures.



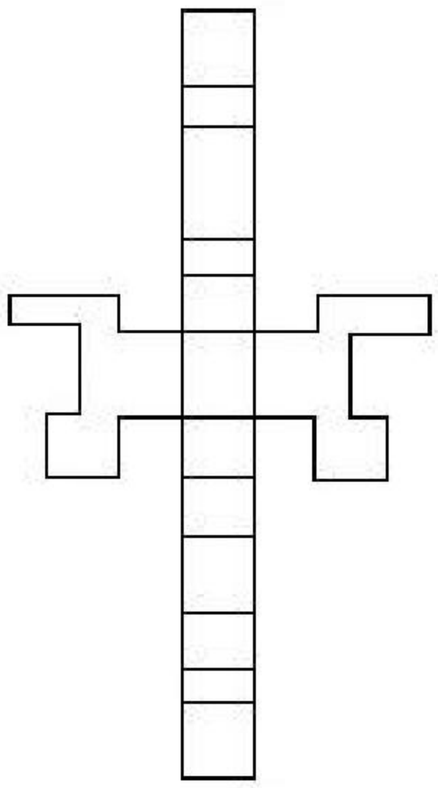
Options :

1.

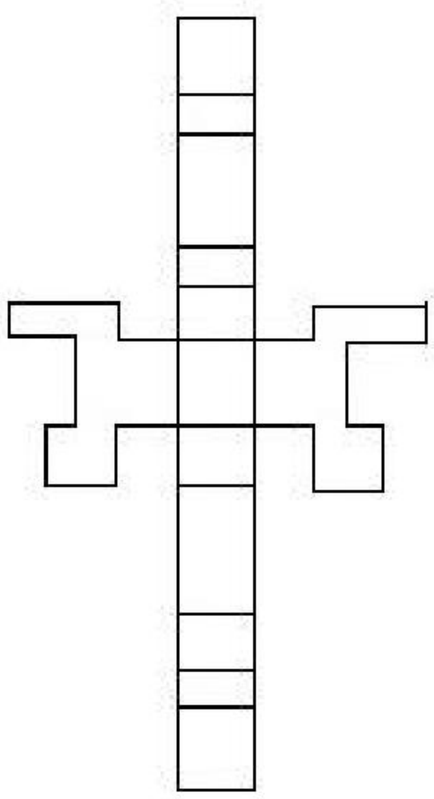


ZOLLEGE.in

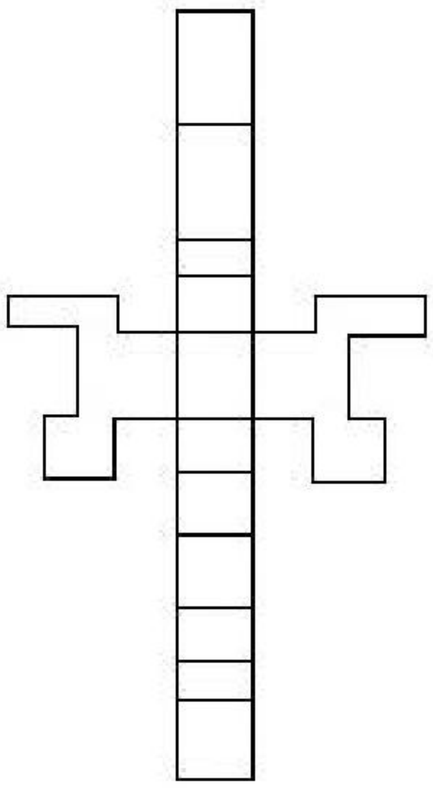
2.



3.



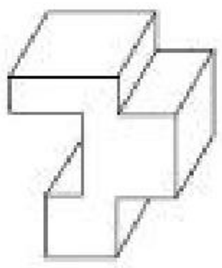
4.



Question Number : 39 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

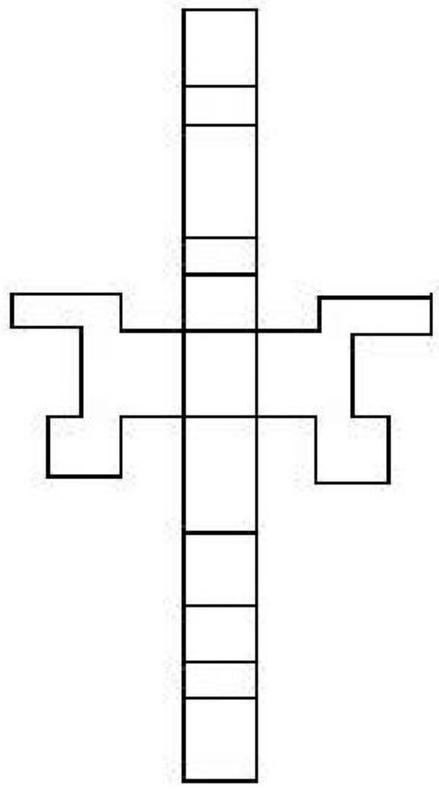
ZOLLEGE.in

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। उत्तर दृश्यों में से, प्रश्न वस्तु के खुल जाने का सही दृश्य पहचानिये।

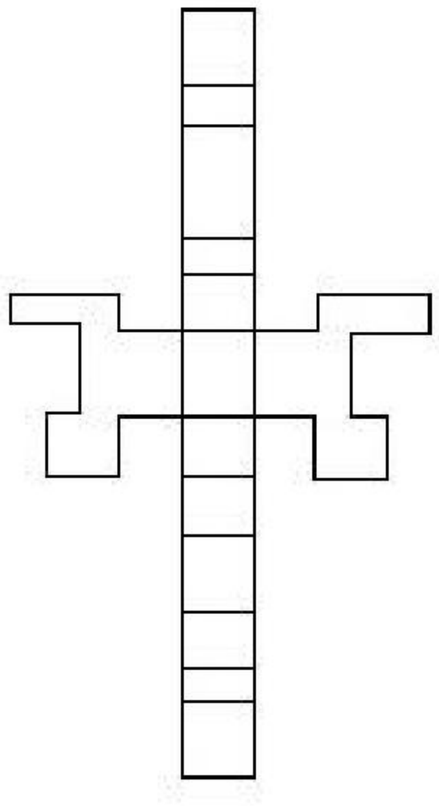


Options :

1.

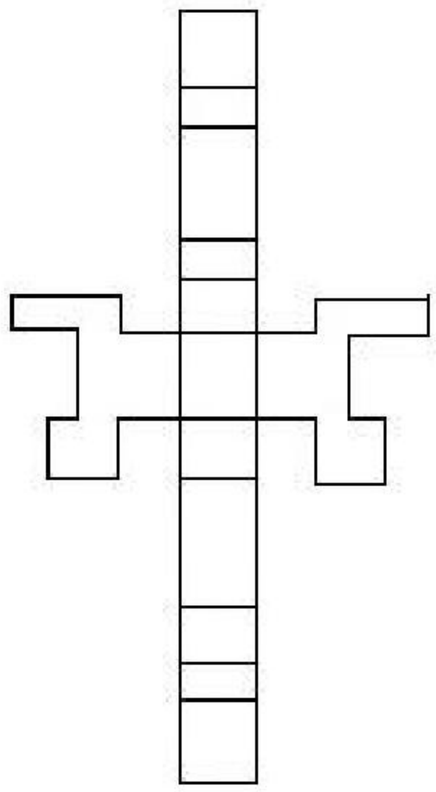


2.

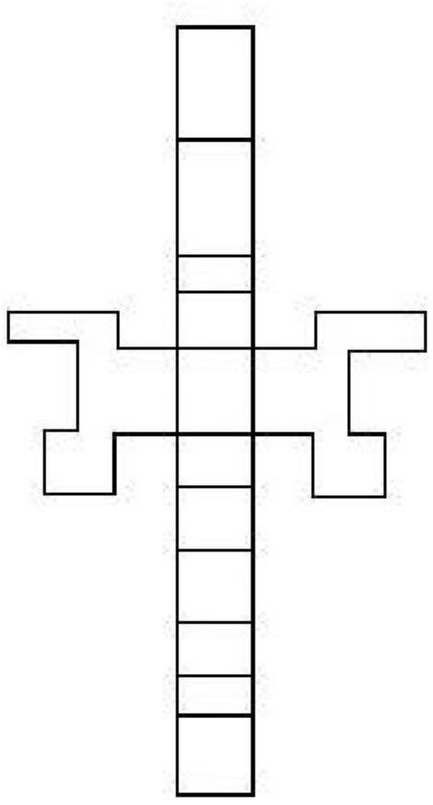


ZOLLEGE.in

3.

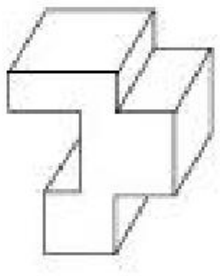


4.



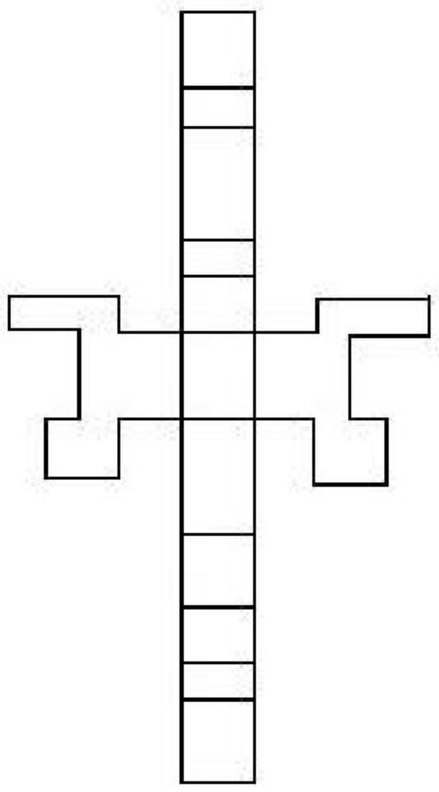
Question Number : 39 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

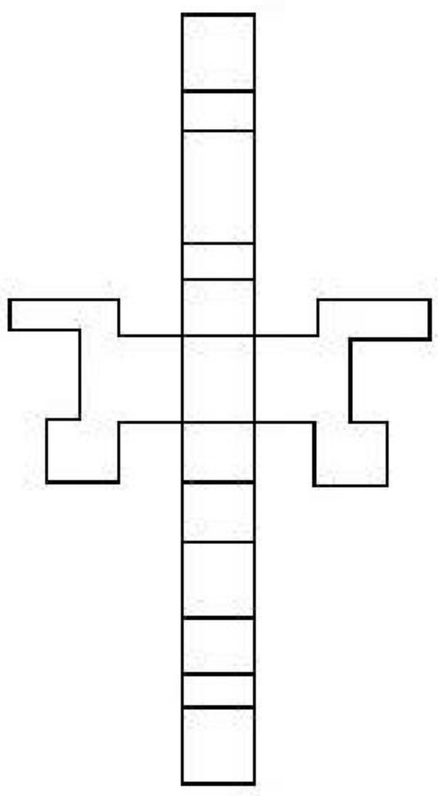
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આ આકૃતિને ખોલી દેવામાં આવે ત્યારે તેનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

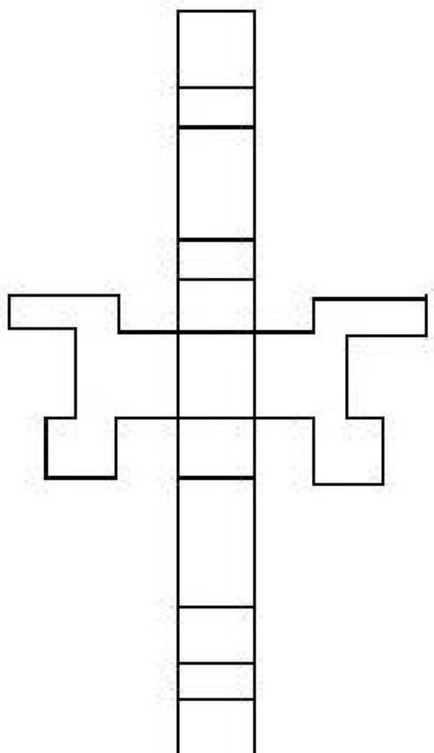


Options :

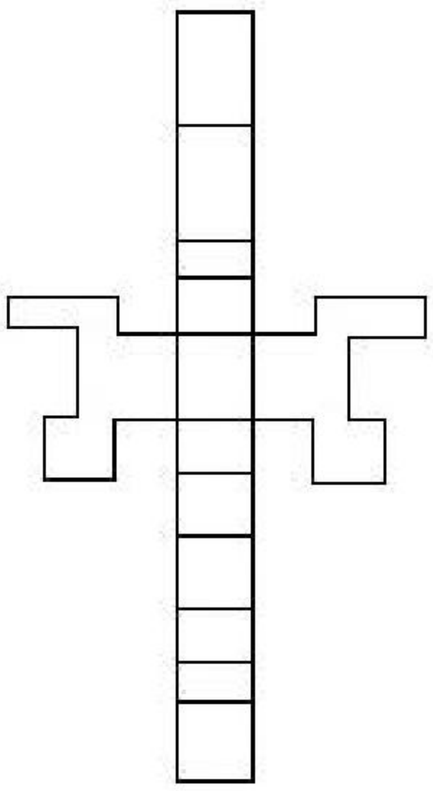
ZOLLEGE.in

1. 

2. 

3. 

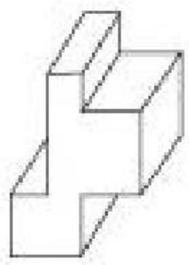
ZOLLEGE.in



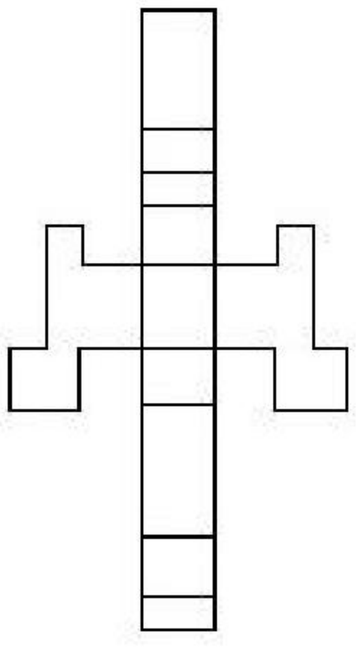
4.

Question Number : 40 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

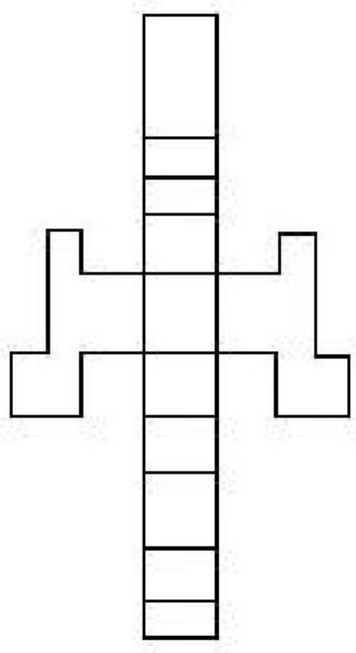
The 3 - D figure shows the view of an object. Identify the correct view when the figure is opened up, from amongst the answer figures.



Options :

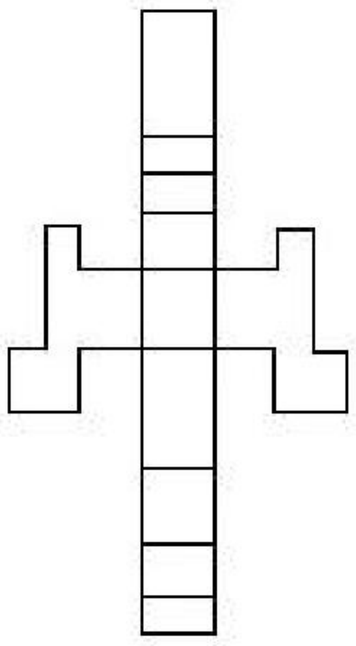


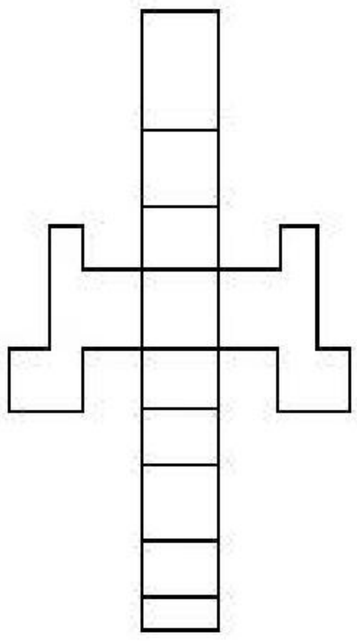
1.



2.

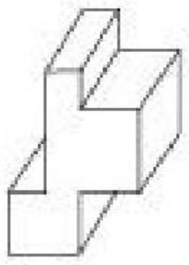
ZOLLEGE.in

3. 

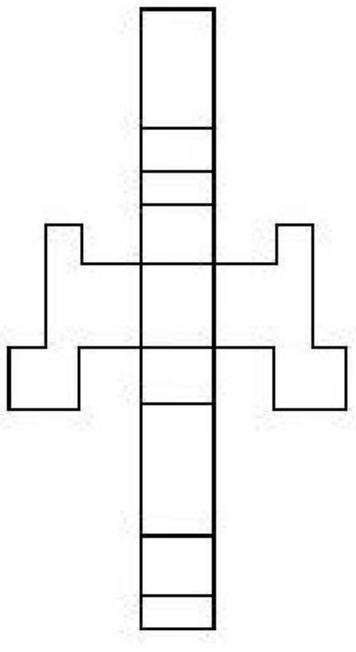
4. 

Question Number : 40 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

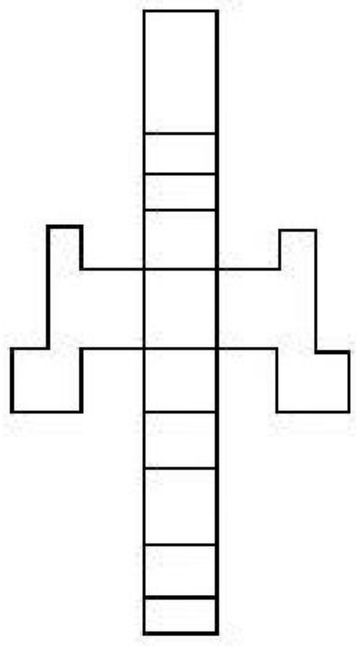
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। उत्तर दृश्यों में से, प्रश्न वस्तु के खुल जाने का सही दृश्य पहचानिये।

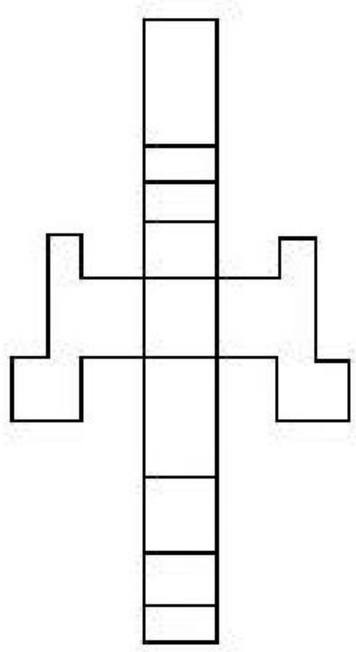


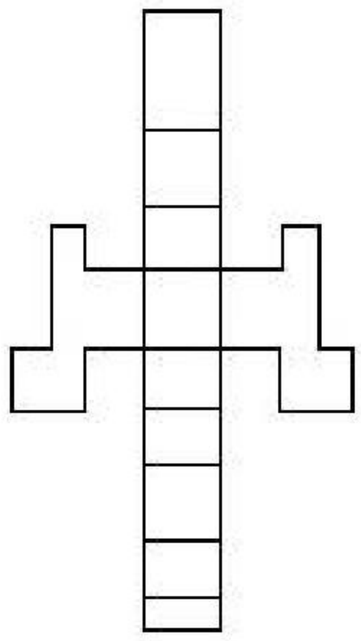
Options :

1. 

ZOLLEGE.in

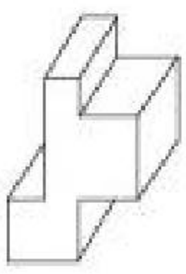
2. 

3. 

4. 

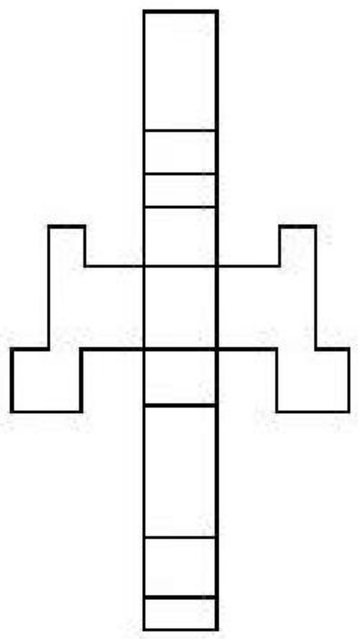
Question Number : 40 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

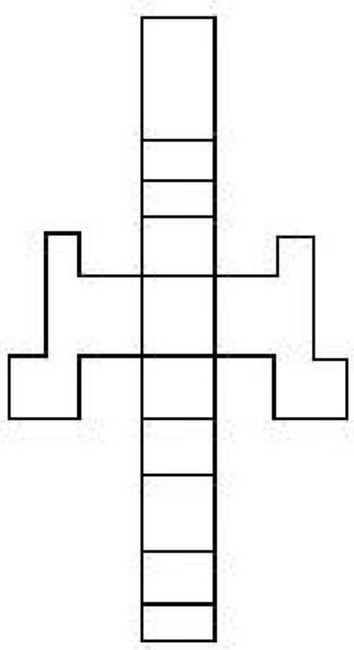
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આ આકૃતિને ખોલી દેવામાં આવે ત્યારે તેનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

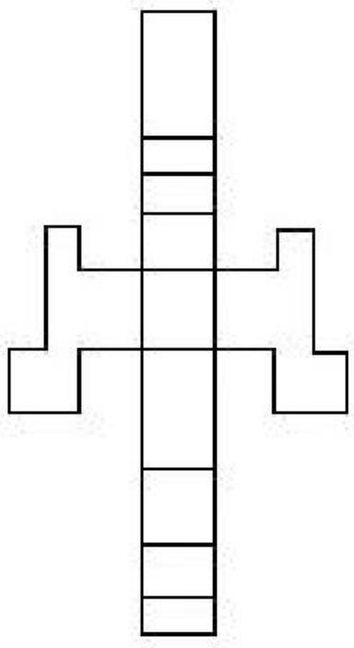


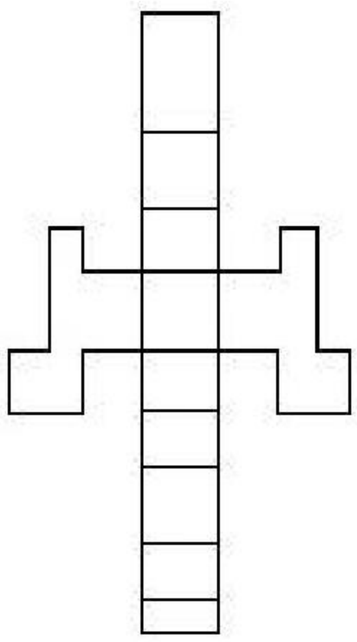
Options :

ZOLLEGE.in

1. 

2. 

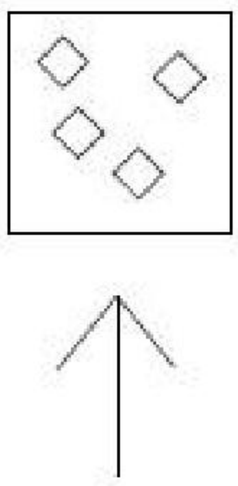
3. 

4. 

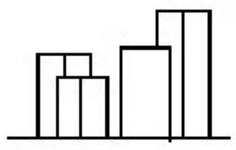
ZOLLEGE.in

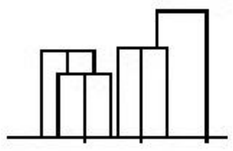
Question Number : 41 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

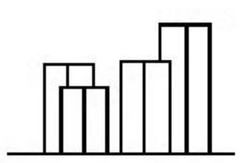
The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.

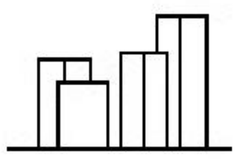


Options :

1. 

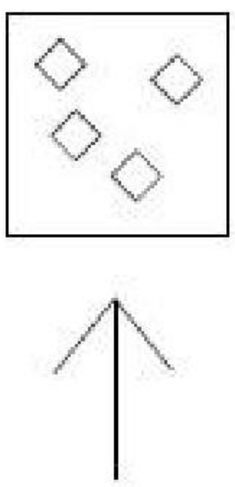
2. 

3. 

4. 

Question Number : 41 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

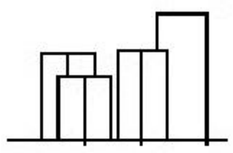
प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।

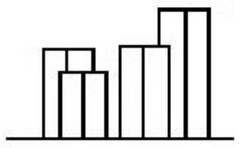


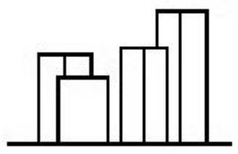
Options :

ZOLLEGE.in

1. 

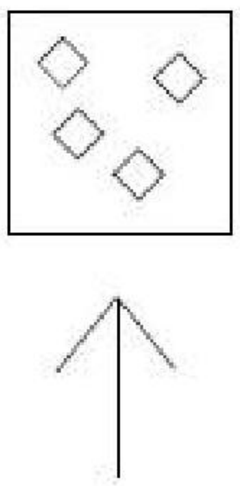
2. 

3. 

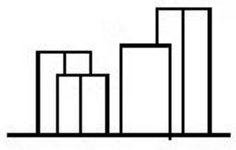
4. 

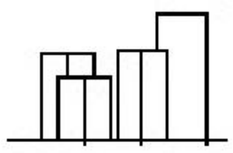
Question Number : 41 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

પ્રશ્ન આકૃતિ કોઈક વસ્તુઓનું ઉપરી દશ્ય (top view) બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું ઉન્નત દશ્ય (elevation) જવાબ આકૃતિઓમાંથી શોધો.

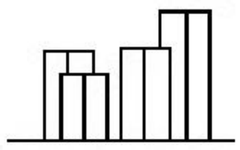


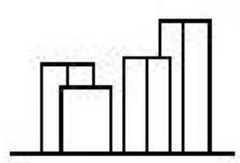
Options :

1. 

2. 

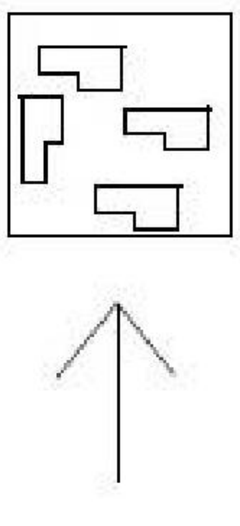
ZOLLEGE.in

3. 

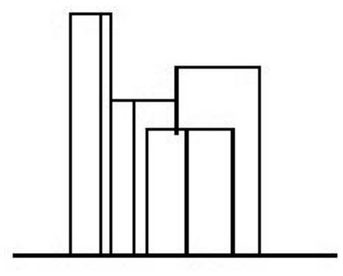
4. 

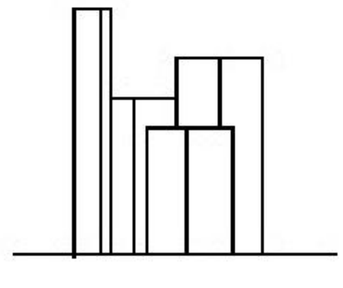
Question Number : 42 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

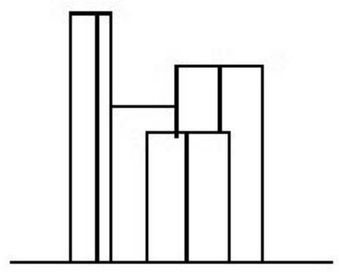
The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.



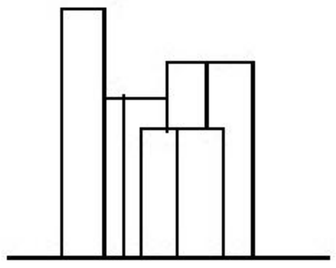
Options :

1. 

2. 

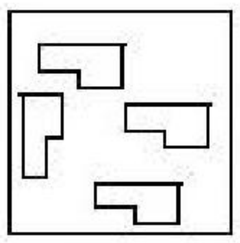
3. 

ZOLLEGE.in

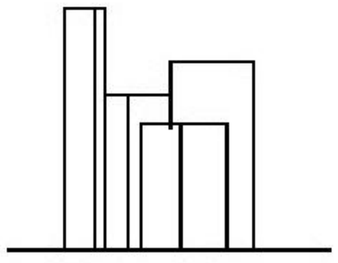
4. 

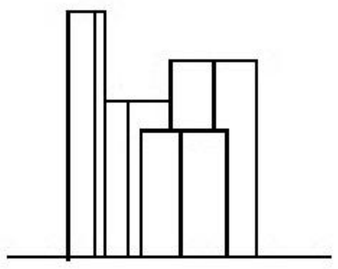
Question Number : 42 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

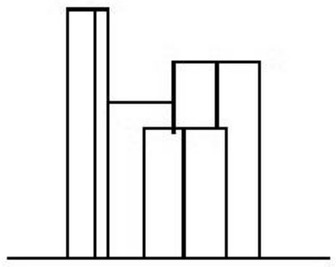
प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।

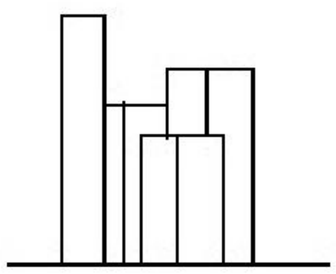


Options :

1. 

2. 

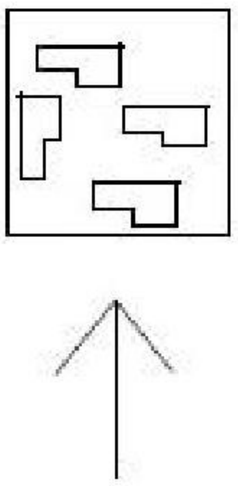
3. 

4. 

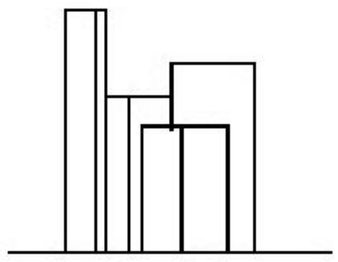
ZOLLEGE.in

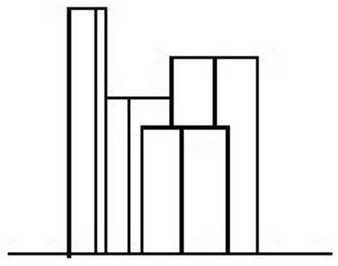
Question Number : 42 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

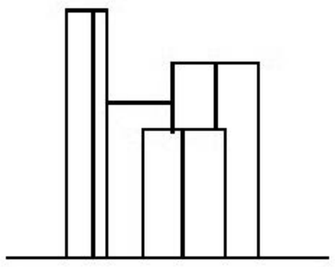
પ્રશ્ન આકૃતિ કોઈક વસ્તુઓનું ઉપરી દશ્ય (top view) બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું ઉન્નત દશ્ય (elevation) જવાબ આકૃતિઓમાંથી શોધો.

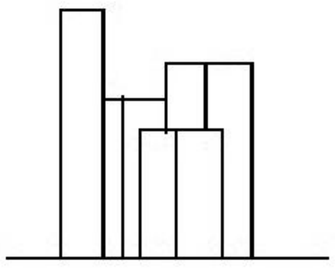


Options :

1. 

2. 

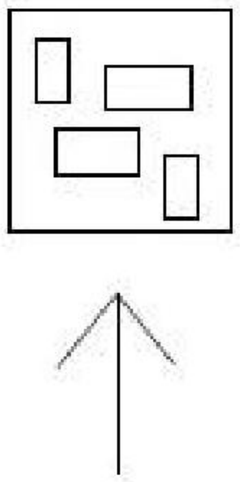
3. 

4. 

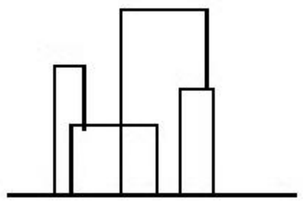
Question Number : 43 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

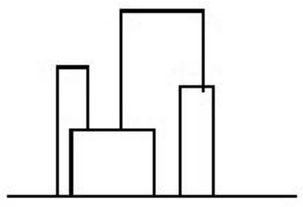
ZOLLEGE.in

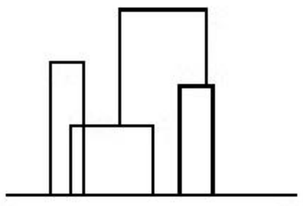
The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.

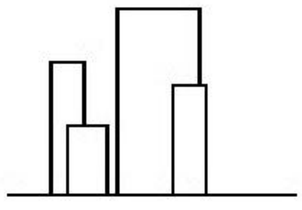


Options :

1. 

2. 

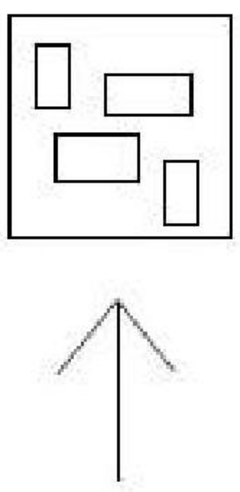
3. 

4. 

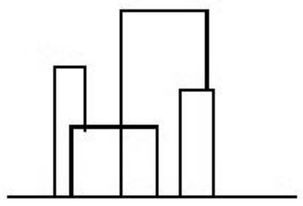
Question Number : 43 Question Type : MCQ Option Shuffling : Yes

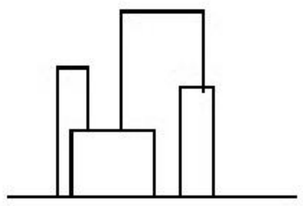
Correct Marks : 4 Wrong Marks : 1

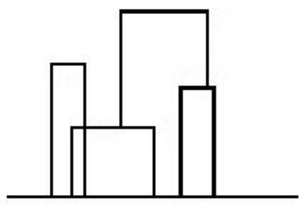
प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।

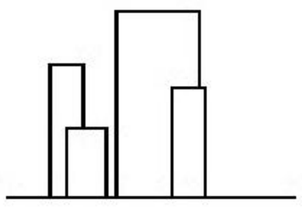


ZOLLEGE.in

1. 

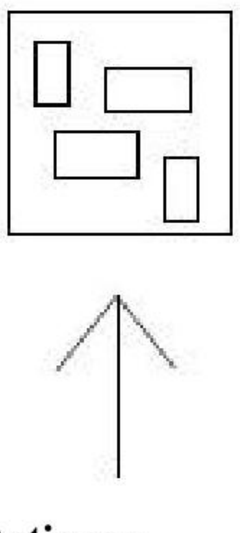
2. 

3. 

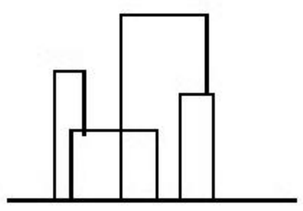
4. 

Question Number : 43 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

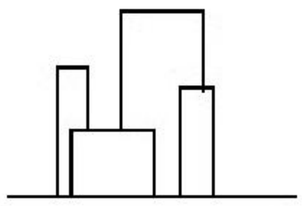
પ્રશ્ન આકૃતિ કોઈક વસ્તુઓનું ઉપરી દશ્ય (top view) બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું ઉન્નત દશ્ય (elevation) જવાબ આકૃતિઓમાંથી શોધો.

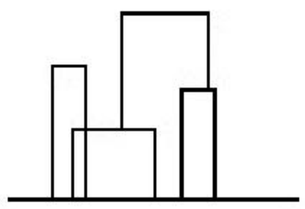


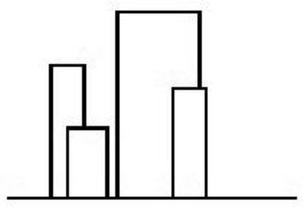
Options :

1. 

ZOLLEGE.in

2. 

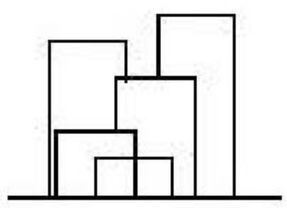
3. 

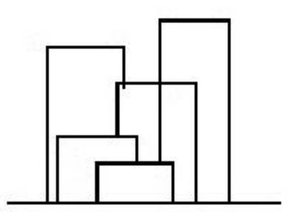
4. 

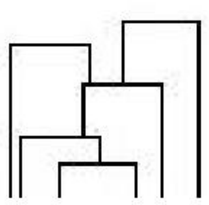
Question Number : 44 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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.

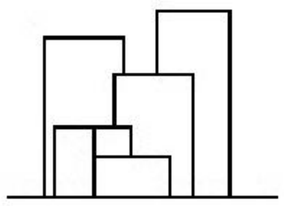
Options :

1. 

2. 

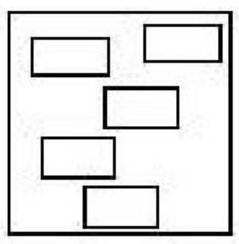
3. 

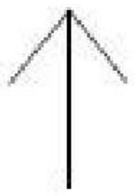
ZOLLEGE.in

4. 

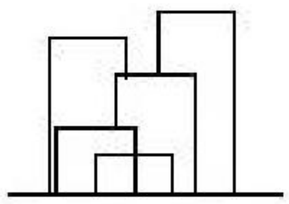
Question Number : 44 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

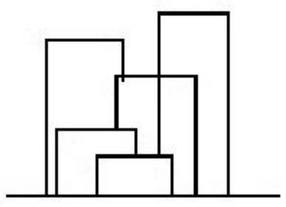
प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।

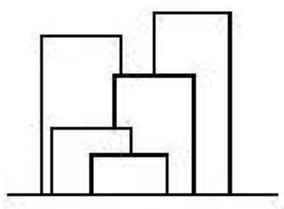


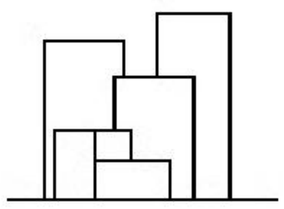


Options :

1. 

2. 

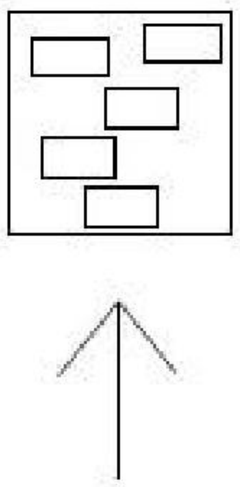
3. 

4. 

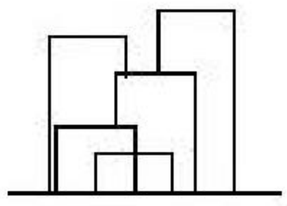
Question Number : 44 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

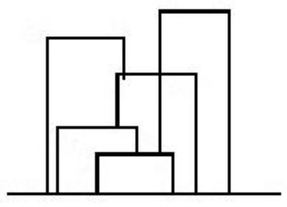
ZOLLEGE.in

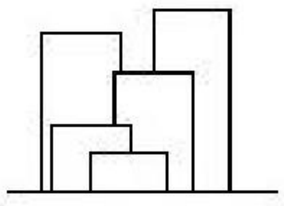
પ્રશ્ન આકૃતિ કોઈક વસ્તુઓનું ઉપરી દશ્ય (top view) બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું ઉન્નત દશ્ય (elevation) જવાબ આકૃતિઓમાંથી શોધો.

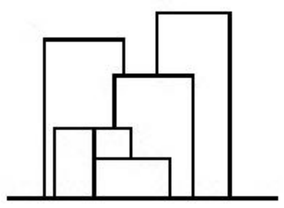


Options :

1. 

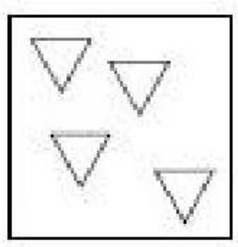
2. 

3. 

4. 

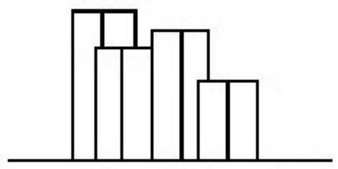
Question Number : 45 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

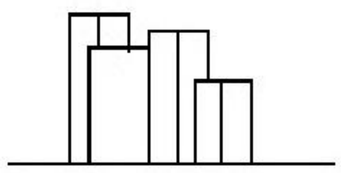
The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.

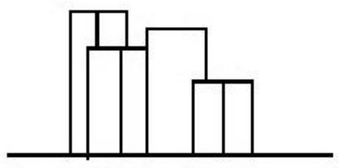


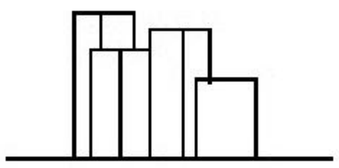
ZOLLEGE.in

Options :

1. 

2. 

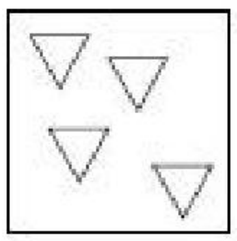
3. 

4. 

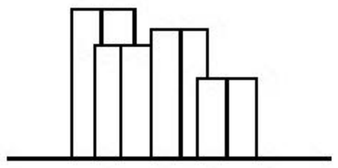
Question Number : 45 Question Type : MCQ Option Shuffling : Yes

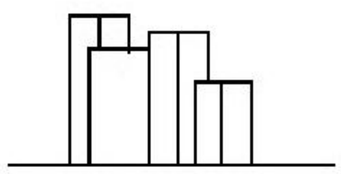
Correct Marks : 4 Wrong Marks : 1

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

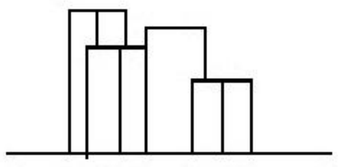


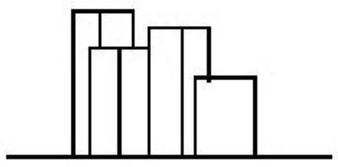
Options :

1. 

2. 

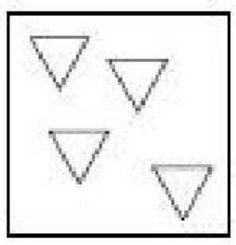
ZOLLEGE.in

3. 

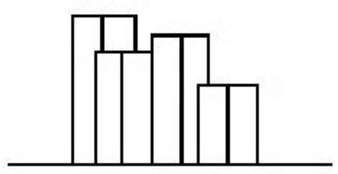
4. 

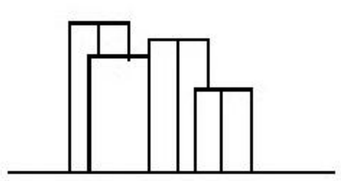
Question Number : 45 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

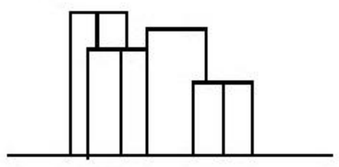
પ્રશ્ન આકૃતિ કોઈક વસ્તુઓનું ઉપરી દશ્ય (top view) બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું ઉન્નત દશ્ય (elevation) જવાબ આકૃતિઓમાંથી શોધો.

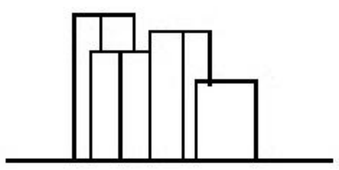


Options :

1. 

2. 

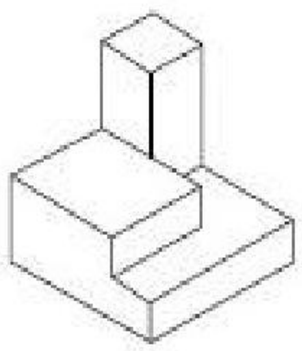
3. 

4. 

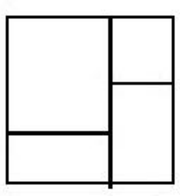
ZOLLEGE.in

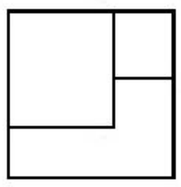
Question Number : 46 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

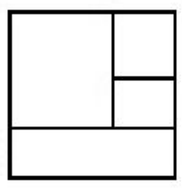
The 3 – D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

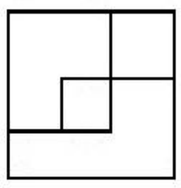


Options :

1. 

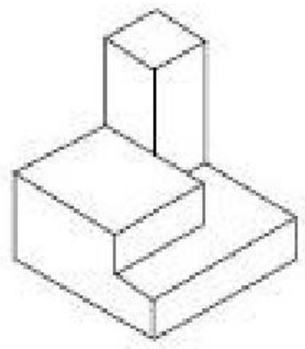
2. 

3. 

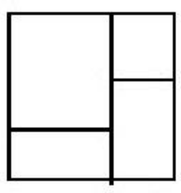
4. 

Question Number : 46 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

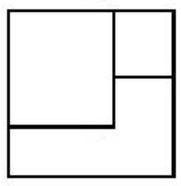
3 – D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

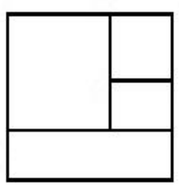


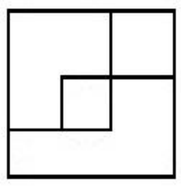
Options :

1. 

ZOLLEGE.in

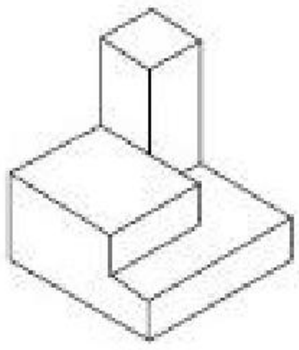
2. 

3. 

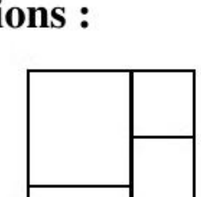
4. 

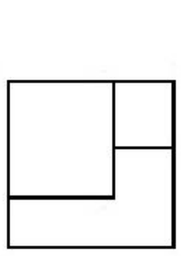
Question Number : 46 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

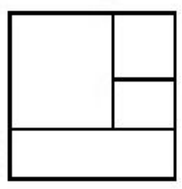
3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દૃશ્ય બતાવે છે. આનું સાચું ઉપરી દૃશ્ય (top view) જવાબ આકૃતિઓમાંથી શોધો.



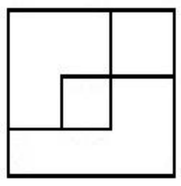
Options :

1. 

2. 

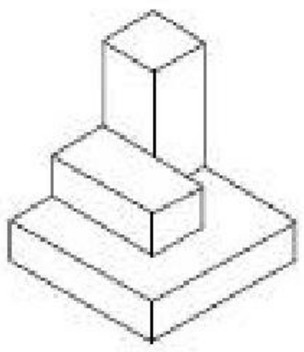
3. 

ZOLLEGE.in

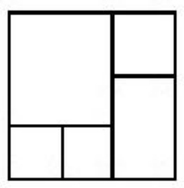
4. 

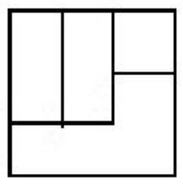
Question Number : 47 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

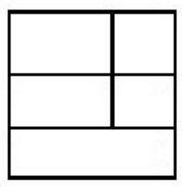
The 3 – D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

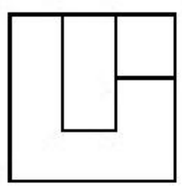


Options :

1. 

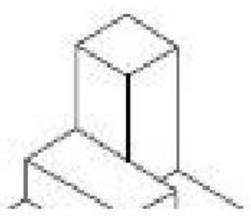
2. 

3. 

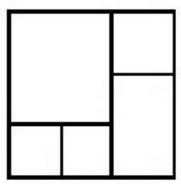
4. 

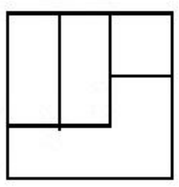
Question Number : 47 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

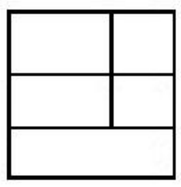
3 – D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

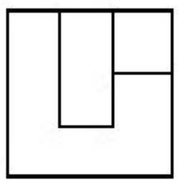


ZOLLEGE.in

1. 

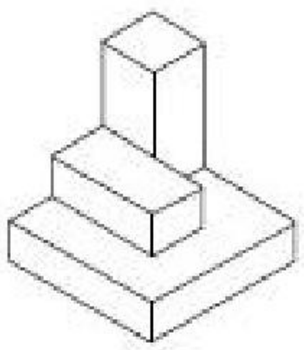
2. 

3. 

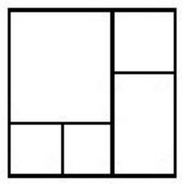
4. 

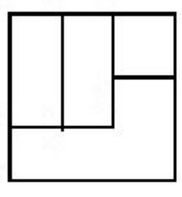
Question Number : 47 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આનું સાચું ઉપરી દશ્ય (top view) જવાબ આકૃતિઓમાંથી શોધો.

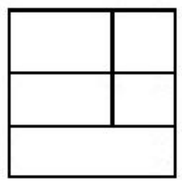


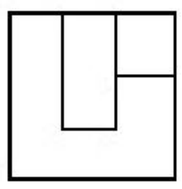
Options :

1. 

2. 

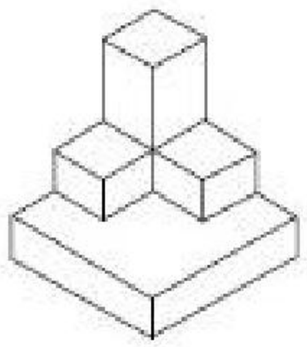
ZOLLEGE.in

3. 

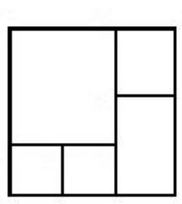
4. 

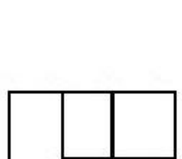
Question Number : 48 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

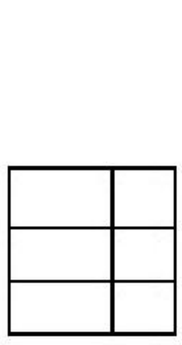
The 3 – D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

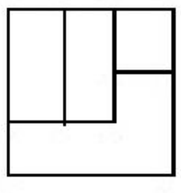


Options :

1. 

2. 

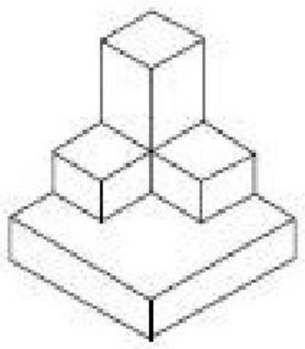
3. 

4. 

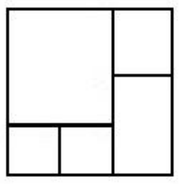
Question Number : 48 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

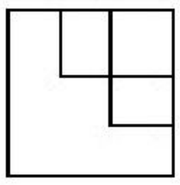
ZOLLEGE.in

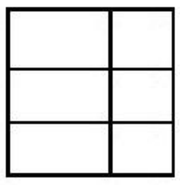
3 – D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

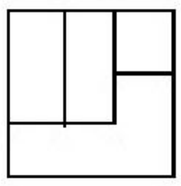


Options :

1. 

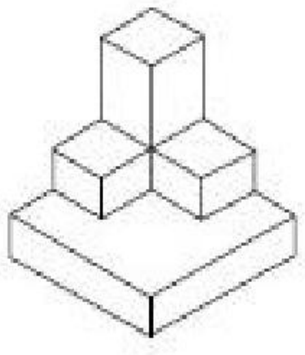
2. 

3. 

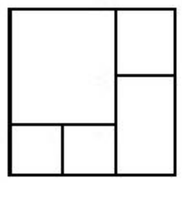
4. 

Question Number : 48 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

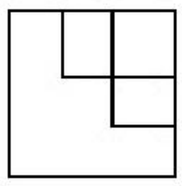
3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આનું સાચું ઉપરી દશ્ય (top view) જવાબ આકૃતિઓમાંથી શોધો.

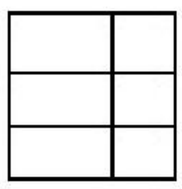


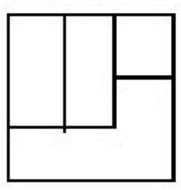
Options :

1 

ZOLLEGE.in

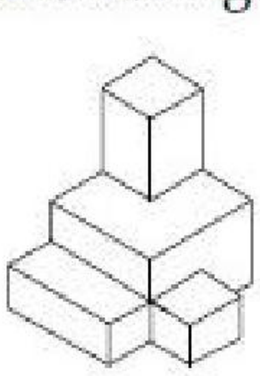
2. 

3. 

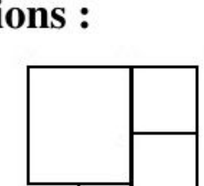
4. 

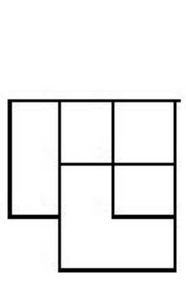
Question Number : 49 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

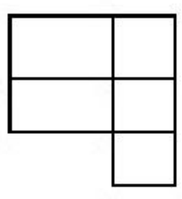
The 3 – D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

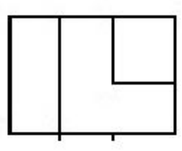


Options :

1. 

2. 

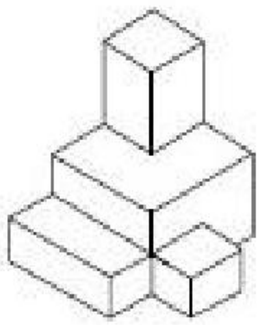
3. 



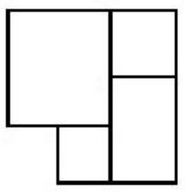
ZOLLEGE.in

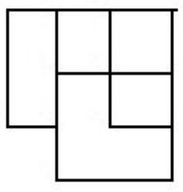
Question Number : 49 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

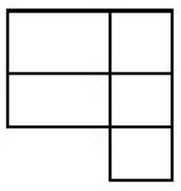
3 – D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

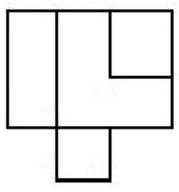


Options :

1. 

2. 

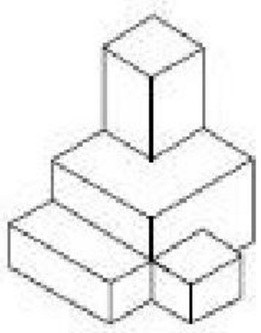
3. 

4. 

ZOLLEGE.in

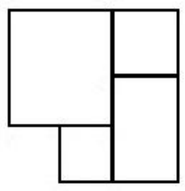
Question Number : 49 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

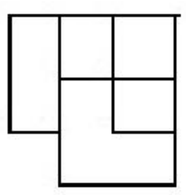
3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દૃશ્ય બતાવે છે. આનું સાચું ઉપરી દૃશ્ય (top view) જવાબ આકૃતિઓમાંથી શોધો.

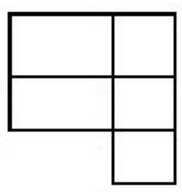


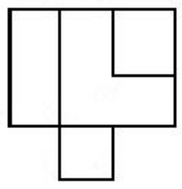
Options :

ZOLLEGE.in

1. 

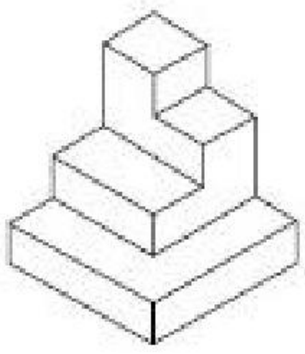
2. 

3. 

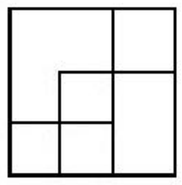
4. 

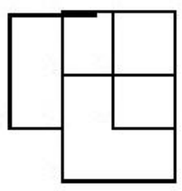
Question Number : 50 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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

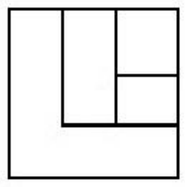


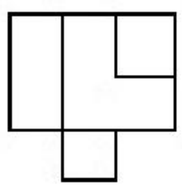
Options :

1. 

2. 

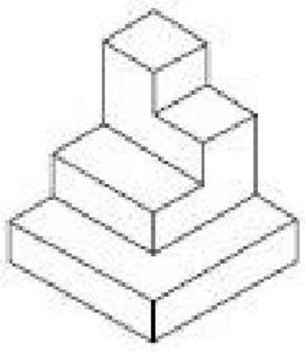
ZOLLEGE.in

3. 

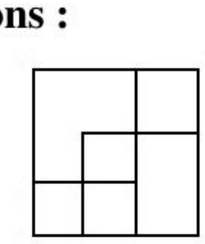
4. 

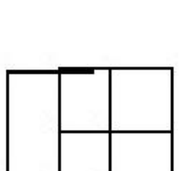
Question Number : 50 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

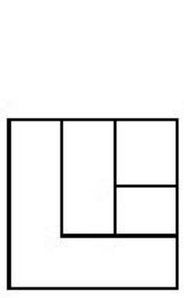
3 – D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

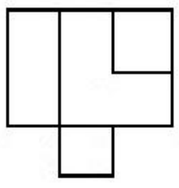


Options :

1. 

2. 

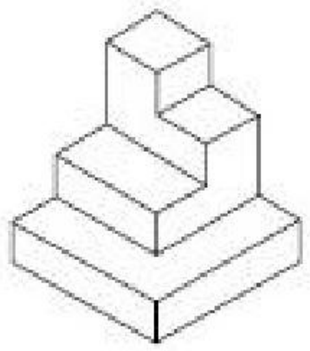
3. 

4. 

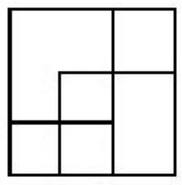
Question Number : 50 Question Type : MCQ Option Shuffling : Yes

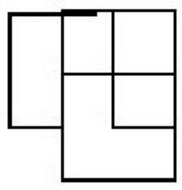
ZOLLEGE.in

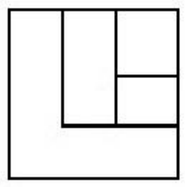
3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દૃશ્ય બતાવે છે. આનું સાચું ઉપરી દૃશ્ય (top view) જવાબ આકૃતિઓમાંથી શોધો.

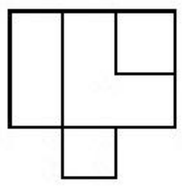


Options :

1. 

2. 

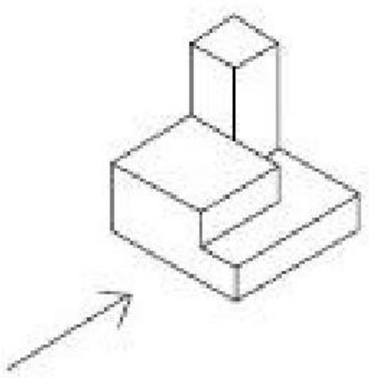
3. 

4. 

Question Number : 51 Question Type : MCQ Option Shuffling : Yes

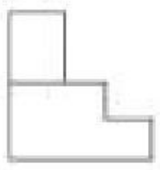
Correct Marks : 4 Wrong Marks : 1

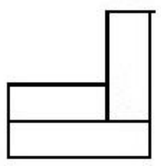
The 3 – D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

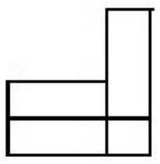


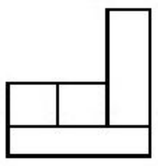
Options :

ZOLLEGE.in

1. 

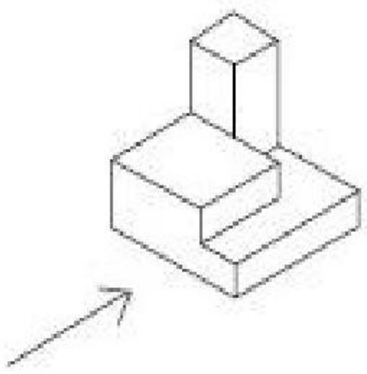
2. 

3. 

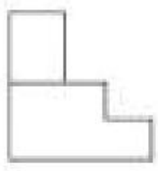
4. 

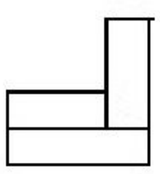
Question Number : 51 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

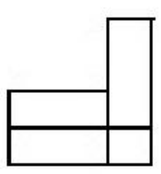
3 – D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।



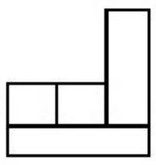
Options :

1. 

2. 

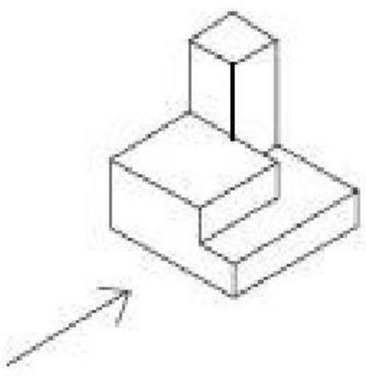
3 

ZOLLEGE.in

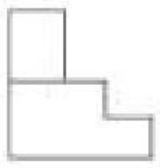
4. 

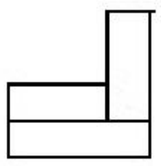
Question Number : 51 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

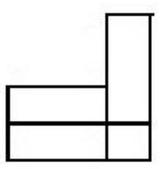
3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દૃશ્ય બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી શોધો.

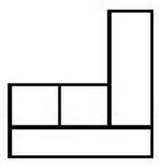


Options :

1. 

2. 

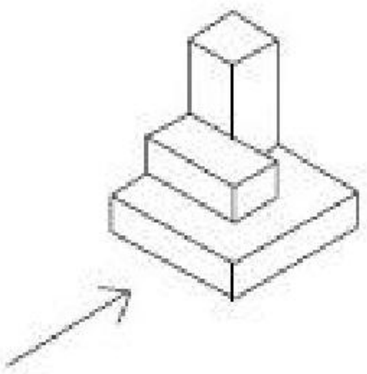
3. 

4. 

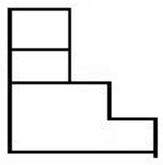
Question Number : 52 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

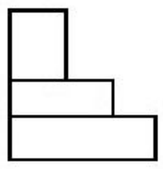
ZOLLEGE.in

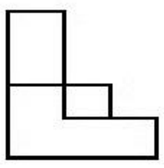
The 3 – D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

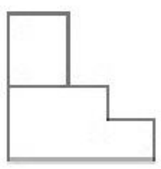


Options :

1. 

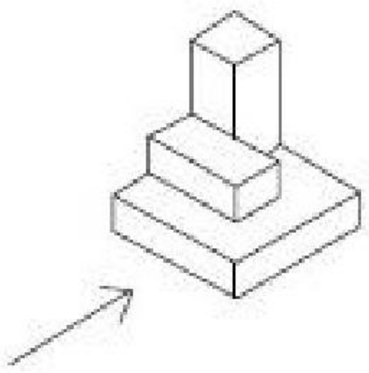
2. 

3. 

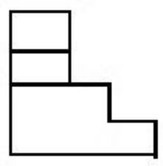
4. 

Question Number : 52 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

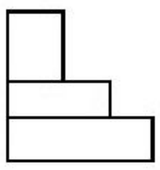
3 – D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

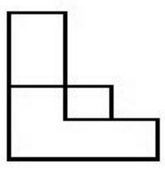


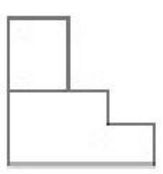
Options :

1. 

ZOLLEGE.in

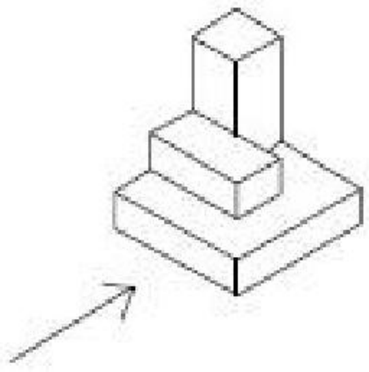
2. 

3. 

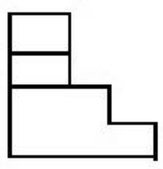
4. 

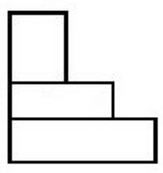
Question Number : 52 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

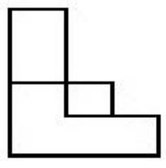
3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દૃશ્ય બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી શોધો.



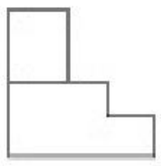
Options :

1. 

2. 

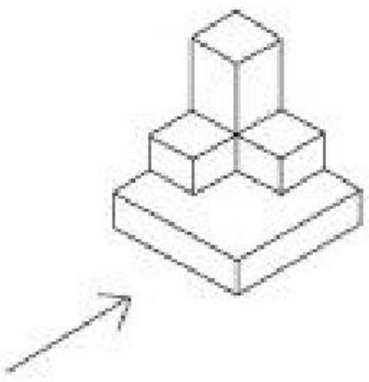
3. 

ZOLLEGE.in

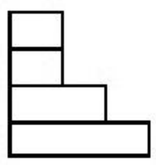
4. 

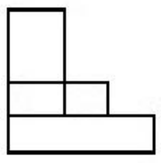
Question Number : 53 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

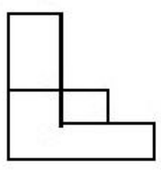
The 3 – D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

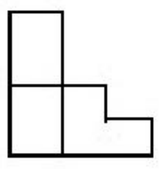


Options :

1. 

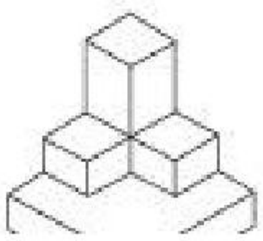
2. 

3. 

4. 

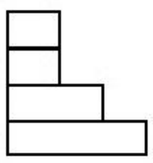
Question Number : 53 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

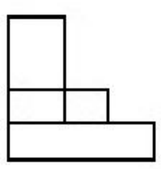
3 – D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

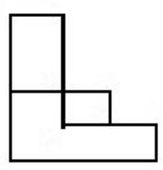


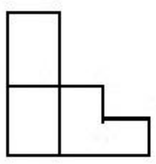
ZOLLEGE.in

Options :

1. 

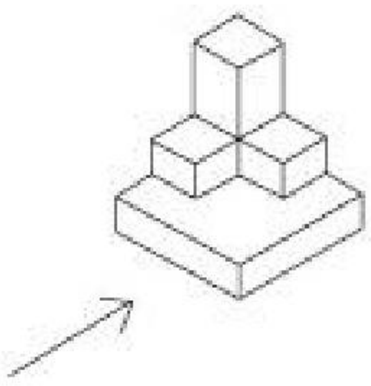
2. 

3. 

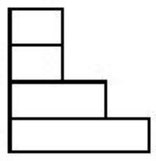
4. 

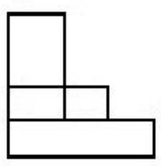
Question Number : 53 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

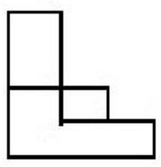


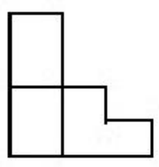
Options :

1. 

2. 

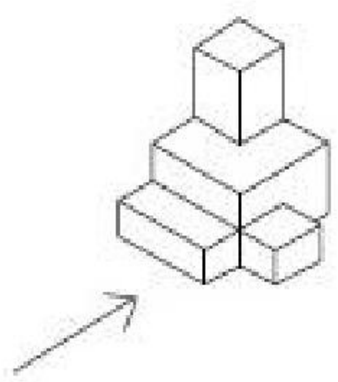
ZOLLEGE.in

3. 

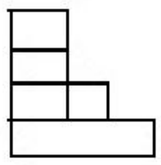
4. 

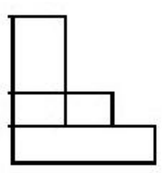
Question Number : 54 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

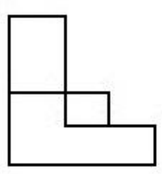
The 3 – D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

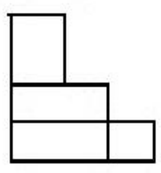


Options :

1. 

2. 

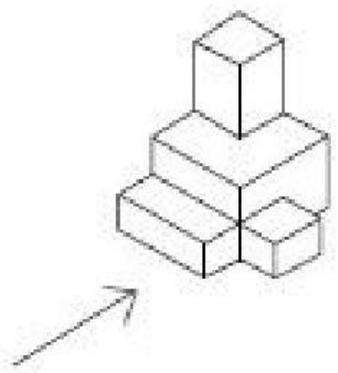
3. 

4. 

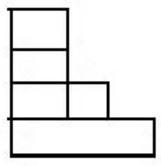
Question Number : 54 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

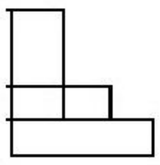
ZOLLEGE.in

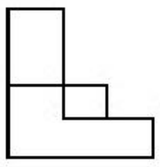
3 – D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

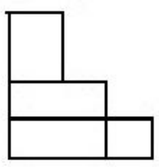


Options :

1. 

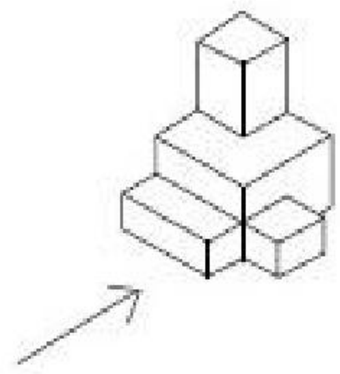
2. 

3. 

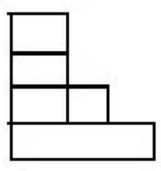
4. 

Question Number : 54 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

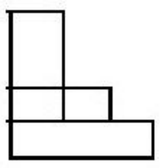
3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દૃશ્ય બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી શોધો.

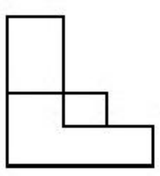


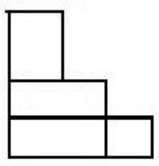
Options :

1. 

ZOLLEGE.in

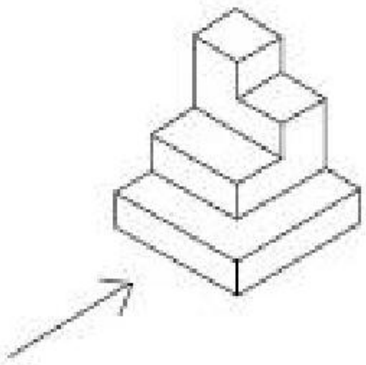
2. 

3. 

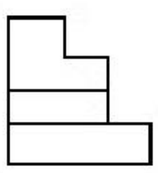
4. 

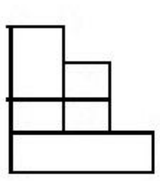
Question Number : 55 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

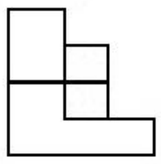
The 3 – D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

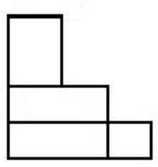


Options :

1. 

2. 

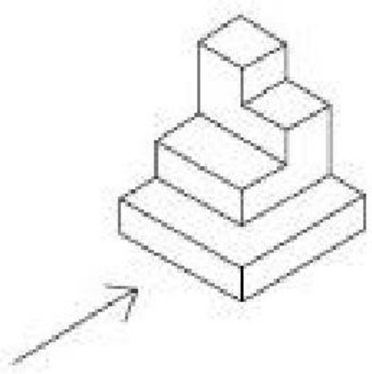
3. 

4. 

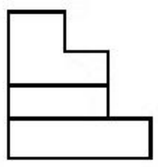
ZOLLEGE.in

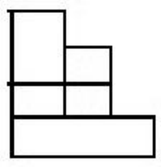
Question Number : 55 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

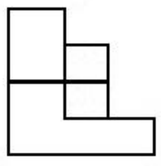
3 – D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

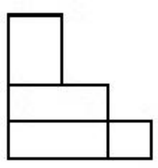


Options :

1. 

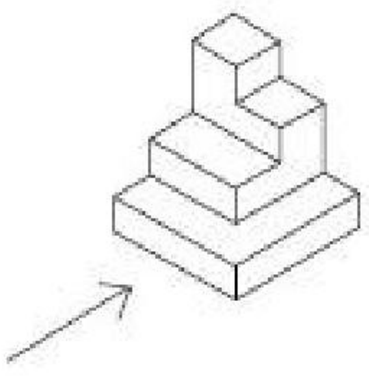
2. 

3. 

4. 

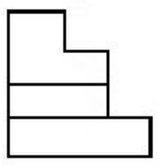
Question Number : 55 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

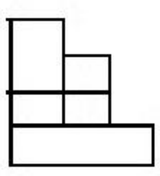
3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

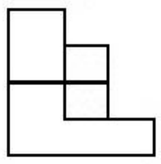


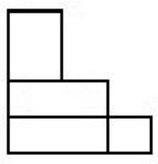
Options :

ZOLLEGE.in

1. 

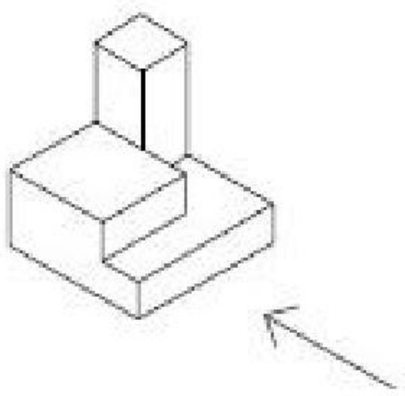
2. 

3. 

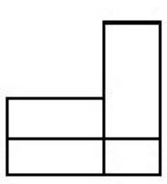
4. 

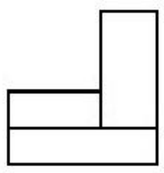
Question Number : 56 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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.

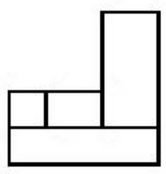


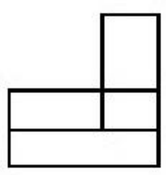
Options :

1. 

2. 

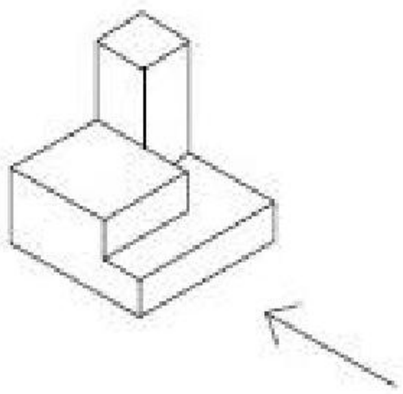
ZOLLEGE.in

3. 

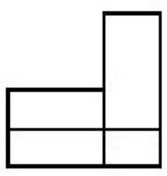
4. 

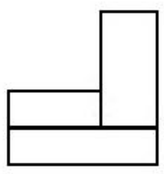
Question Number : 56 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

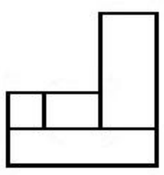
3 – D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

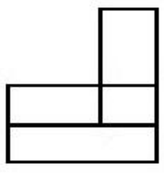


Options :

1. 

2. 

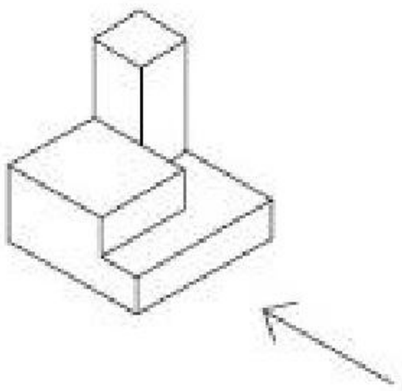
3. 

4. 

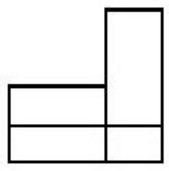
Question Number : 56 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

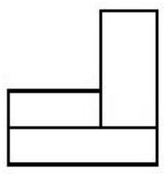
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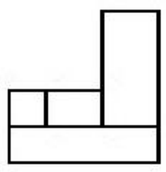
3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

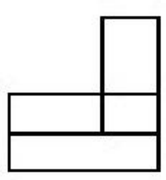


Options :

1. 

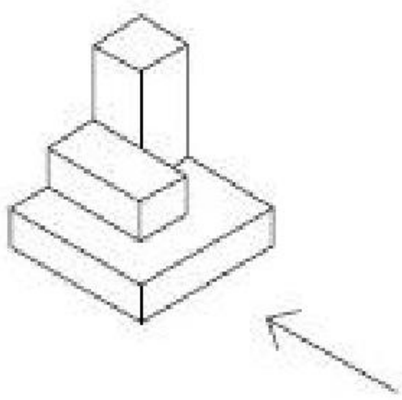
2. 

3. 

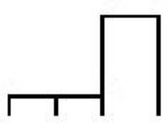
4. 

Question Number : 57 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

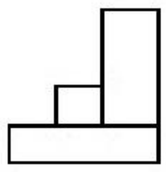
The 3 – D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

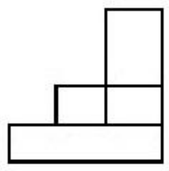


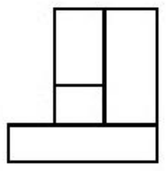
Options :



ZOLLEGE.in

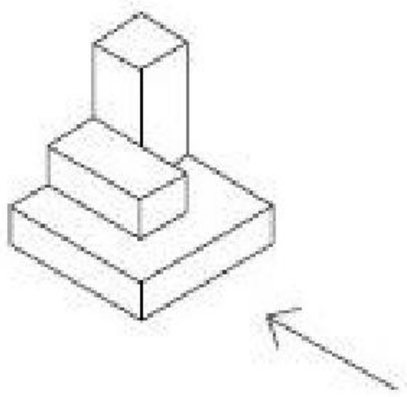
2. 

3. 

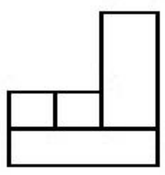
4. 

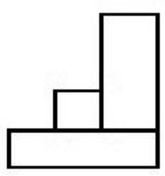
Question Number : 57 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

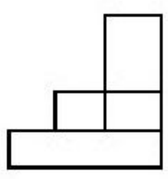
3 – D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

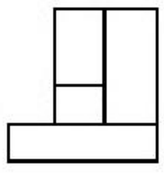


Options :

1. 

2. 

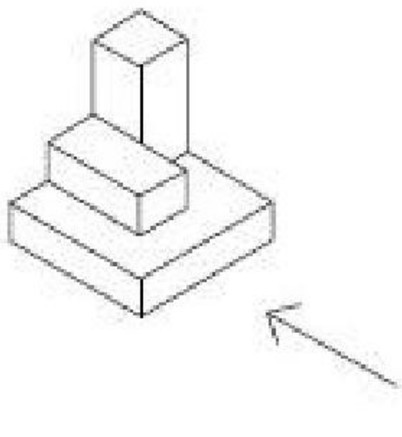
3. 

4. 

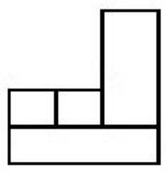
ZOLLEGE.in

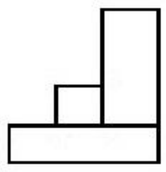
Question Number : 57 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

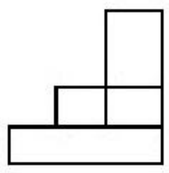
3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

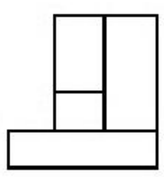


Options :

1. 

2. 

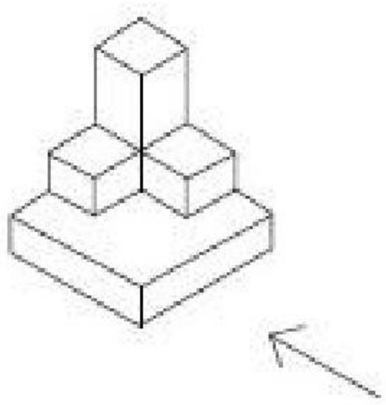
3. 

4. 

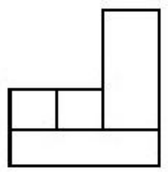
ZOLLEGE.in

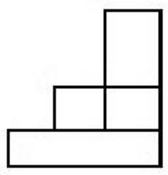
Question Number : 58 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

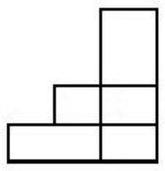
The 3 – D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

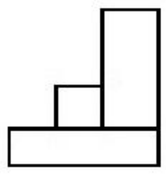


ZOLLEGE.in

1. 

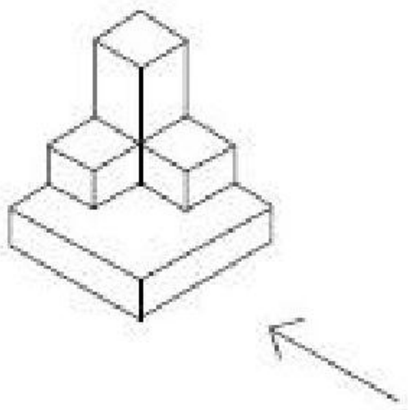
2. 

3. 

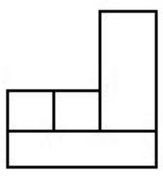
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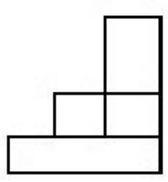
Question Number : 58 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

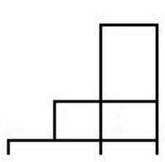
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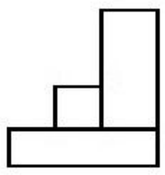
Options :

1. 

2. 

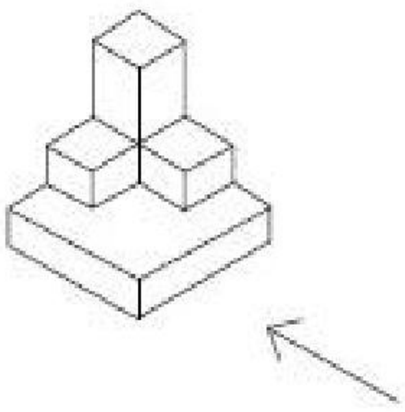
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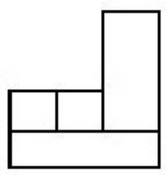
4. 

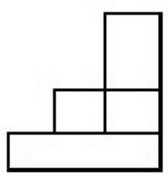
Question Number : 58 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

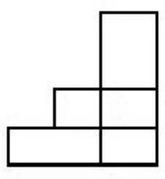
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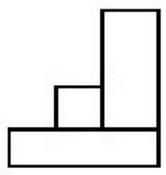


Options :

1. 

2. 

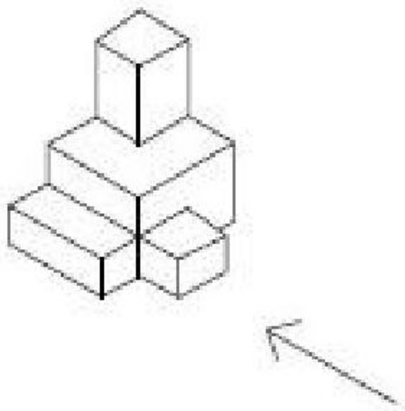
3. 

4. 

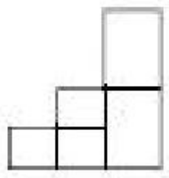
Question Number : 59 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

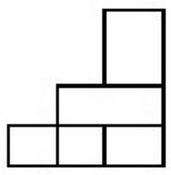
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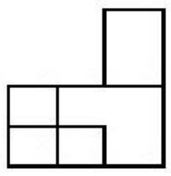
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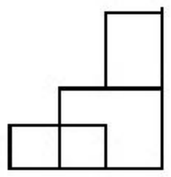


Options :

1. 

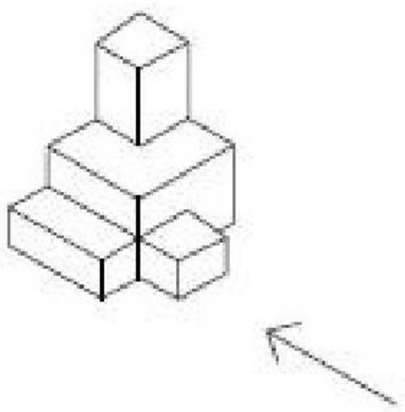
2. 

3. 

4. 

Question Number : 59 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

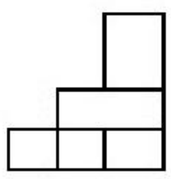
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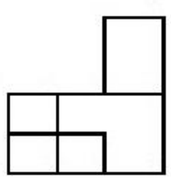


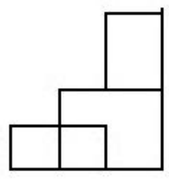
Options :

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1. 

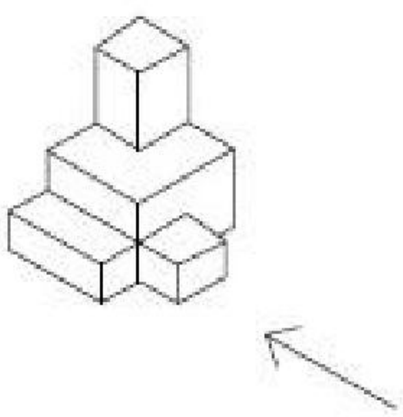
2. 

3. 

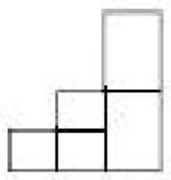
4. 

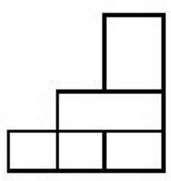
Question Number : 59 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

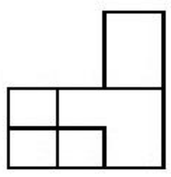


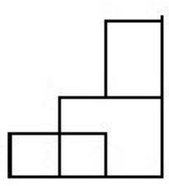
Options :

1. 

2. 

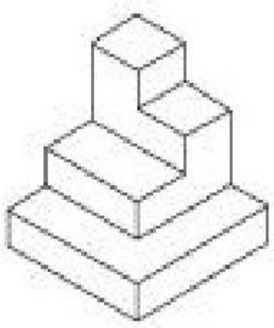
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3. 

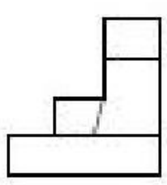
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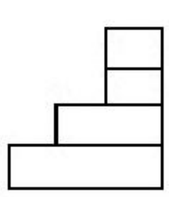
Question Number : 60 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

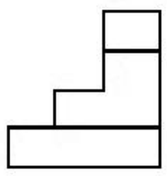
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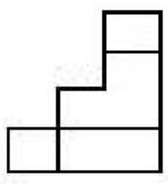


Options :

1. 

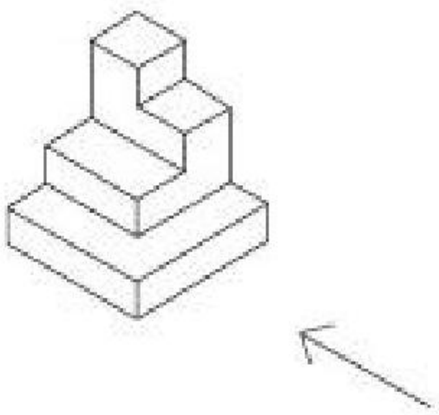
2. 

3. 

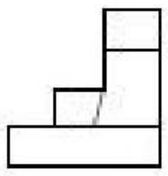
4. 

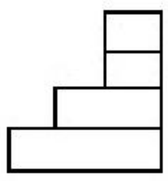
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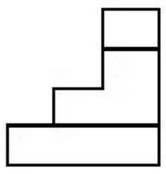
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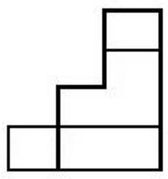


Options :

1. 

2. 

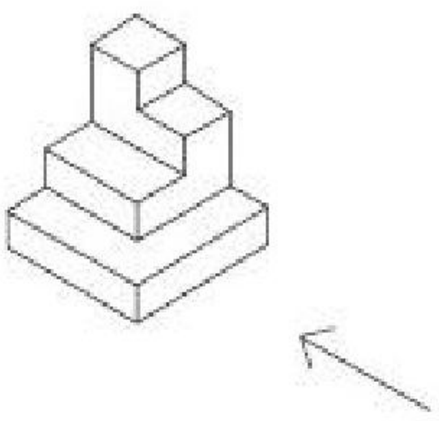
3. 

4. 

Question Number : 60 Question Type : MCQ Option Shuffling : Yes

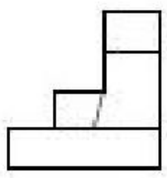
Correct Marks : 4 Wrong Marks : 1

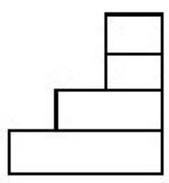
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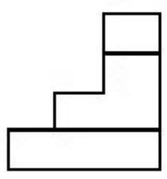


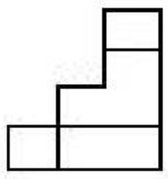
Options :

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1. 

2. 

3. 

4. 

Question Number : 61 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Buckingham Palace is the Residence of which one of the following ?

Options :

1. Queen of England

2. King of Netherlands

3. King of Prussia

4. King of Nepal

Question Number : 61 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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1. इंग्लैंड की रानी

2. नीदरलैंड के राजा

3. प्रुशिया का राजा

4. नेपाल का राजा

Question Number : 61 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

બકિંગમ મહેલ નીચેનામાંથી કોનું નિવાસસ્થાન છે?

Options :

1. ઈંગ્લેન્ડની રાણી

2. નેધરલેન્ડના રાજા

3. પ્રુશિયાના રાજા

4. નેપાળના રાજા

Question Number : 62 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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

Options :

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1. North East

2. North West

3. South East

4. South West

Question Number : 62 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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

Options :

1. उत्तर पूर्व

2. उत्तर पश्चिम

3. दक्षिण पूर्व

4. दक्षिण पश्चिम

Question Number : 62 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

ઉત્તરી ગોલાર્ધમાં શિયાળાનો સૂર્ય નીચેનામાંની કઈ દિશામાંથી ઊગે છે?

Options :

1. ઉત્તર પૂર્વ

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2. ઉત્તર પશ્ચિમ

3. દક્ષિણ પૂર્વ

4. દક્ષિણ પશ્ચિમ

Question Number : 63 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Which one of the following is a purpose for installing false ceilings ?

Options :

1. Supporting the walls

2. Making the building water proof

3. Making the space acoustically effective

4. Making the building fire proof

Question Number : 63 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सी झूठी छत स्थापित करने के लिए एक उद्देश्य है?

Options :

1. दीवारों का सहारा

2. ईमारत को जलसह बनाना

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3. જગહ કો ધ્વનિ પ્રભાવી બનાના

4. ઇમારત કો અગ્નિસહ પ્રભાવી બનાના

Question Number : 63 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

ખોટી છત (false ceilings) સ્થાપનનો હેતુ નીચેનામાંથી શું છે?

Options :

1. દિવાલોના ટેકા માટે

2. ઈમારતો જળરોધક (વાટરપ્રુફ) બનાવવા

3. જગ્યાને ધ્વનિ અસરકારક બનાવવા

4. ઈમારતને આગરોધક (ફાયરપ્રુફ) બનાવવા

Question Number : 64 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

What amongst the following is the thickness of a two brick wall ?

Options :

1. 18″

2. 20″

3. 16″

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4. 22″

Question Number : 64 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से दो ईंट की दीवार की मोटाई कितनी है?

Options :

1. 18″

2. 20″

3. 16″

4. 22″

Question Number : 64 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

બે ઈંટની દિવાલની જાડાઈ નીચેનામાંથી શું છે?

Options :

1. 18″

2. 20″

3. 16″

4. 22″

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Question Number : 65 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Where from among the following is the famous St. Peters located ?

Options :

1. Denmark

2. Norway

3. Rome

4. Venice

Question Number : 65 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से प्रसिद्ध सेंट पीटर्स कहाँ स्थित है?

Options :

1. डेनमार्क

2. नॉर्वे

3. रोम

4. वेनिस

Question Number : 65 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

પ્રખ્યાત સેંટ પીટર્સ નીચેનામાંથી કઈ જગ્યાએ આવેલું
છે?

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1. ડેનમાર્ક

2. નોર્વે

3. રોમ

4. વેનિસ

Question Number : 66 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

In which State in India are the large Tea Gardens located ?

Options :

1. Punjab

2. Uttar Pradesh

3. Kerala

4. Odisha

Question Number : 66 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

भारत के कौन से राज्य में बड़े चाय बागान स्थित हैं?

Options :

1. पंजाब

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2. उत्तर प्रदेश

3. केरल

4. ओडिशा

Question Number : 66 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

ભારતમાં કયા રાજ્યમાં ચા ના મોટા બગીચાઓ આવેલા છે?

Options :

1. પંજાબ

2. ઉત્તર પ્રદેશ

3. કેરલ

4. ઓડિશા

Question Number : 67 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Where from the following is the National Gallery of Modern Art located ?

Options :

1. Bangalore

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3. New Delhi

4. Mysore

Question Number : 67 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

निम्नलिखित से कहाँ आधुनिक कला की राष्ट्रीय गैलरी स्थित है?

Options :

1. बैंगलोर

2. लखनऊ

3. नई दिल्ली

4. मैसूर

Question Number : 67 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

આધુનિક કળા (Modern Art) ની રાષ્ટ્રીય ગેલેરી (National Gallery) નીચેનામાંની કઈ જગ્યાએ આવેલી છે?

Options :

1. બેંગ્લોર

2. લખનઉ

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3. नवी दिल्ली

4. मैसूर

Question Number : 68 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Which one of the following is a secondary color ?

Options :

1. Green

2. Red

3. Yellow

4. Blue

Question Number : 68 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन सा माध्यमिक रंग है?

Options :

1. हरा

2. लाल

3. पीला

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4. नीला

Question Number : 68 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

નીચેનામાંનો કયો રંગ એક ગૌણ રંગ છે?

Options :

1. લીલો

2. લાલ

3. પીળો

4. વાદળી

Question Number : 69 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Which one of the following is considered to be a calming color ?

Options :

1. Red

2. Orange

3. Green

4. Blue

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Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन सा रंग शांत माना जाता है?

Options :

1. लाल

2. नारंगी

3. हरा

4. नीला

Note: For this question, ambiguity is found in question/answer. Candidate will get full marks for this question if any of the correct options are chosen.

Question Number : 69 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

નીચેનામાંનો ક્યો રંગ એક શાંત રંગ માનવામાં આવે છે?

Options :

1. લાલ

2. નારંગી

3. લીલો

4. ભૂરો

Note: For this question, ambiguity is found in question/answer. Candidate will get full marks for this question if any of the correct options are chosen.

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What is the texture of sand-paper ?

Options :

1. Coarse

2. Glossy

3. Smooth

4. Shiny

Question Number : 70 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

रेतमार की बनावट कैसी होती है?

Options :

1. ऊबड़खाबड़

2. चमचमाती

3. चिकना

4. चमकदार

Question Number : 70 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

સેન્ડ પેપર (sand paper) નું ટેક્સ્ચર (texture) શું છે?

Options :

1. ખરબચડું

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2. ચમકદાર

3. લીસું

4. અળકતું

Question Number : 71 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

What is the purpose of a chimney in a building ?

Options :

1. To give strength to a building

2. To hold the building up

3. To take out the smoke from a fire place

4. To make the building water proof

Question Number : 71 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

एक इमारत में चिमनी का उद्देश्य क्या है?

Options :

1. एक इमारत को ताकत देने के लिए

2. भवन को सहारा देने के लिए

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3. આગ વાળી જગહ સે ધુઆં નિકલને કે લિએ

4. બિલ્ડિંગ કો જલસહ બનાને કે લિએ

Question Number : 71 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

ઈમારતમાં ધુમાડિયા (chimney) નો હેતુ શું છે?

Options :

1. ઈમારતને મજબૂત બનાવવા માટે

2. ઈમારતની પકડ માટે

3. આગવાળી જગ્યાથી ધુમાડો બહાર કાઢવા માટે

4. ઈમારતને જળરોધક (વાટરપ્રુફ) બનાવવા માટે

Question Number : 72 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

What among the following would be the ideal material for flooring of a steel factory ?

Options :

1. Wood

2. Tiles

3. Granite

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4. Steel

Question Number : 72 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से क्या एक इस्पात कारखाने के फर्श के लिए आदर्श सामग्री होगी?

Options :

1. लकड़ी

2. टाइल्स

3. ग्रेनाइट

4. स्टील

Question Number : 72 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

સ્ટીલ ફેક્ટરીના ભોંયતળિયા માટે નીચેનામાંથી કયો પદાર્થ આદર્શ છે?

Options :

1. લાકડુ

2. લાદી (ટાઈલ્સ)

3. ગ્રેનાઈટ

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4. સ્ટીલ

Question Number : 73 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Who was the architect of the LIC Building in Connaught Place, New Delhi ?

Options :

1. Raj Rewal

2. Charles Correa

3. Louis Kahn

4. Zaha Hadid

Question Number : 73 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

कनॉट प्लेस, नई दिल्ली में एल.आई.सी. बिल्डिंग का वास्तुकार कौन था ?

Options :

1. राज रेवाल

2. चार्ल्स कोरिया

3. लुईस काह्न

4. जहा हदीद

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Correct Marks : 4 Wrong Marks : 1

કોનોટ પ્લેસ, નવી દિલ્લી સ્થિત એલ.આઈ.સી. બિલ્ડીંગના વાસ્તુકાર (સ્થપતિ) કોણ હતા?

Options :

1. રાજ રેવાલ

2. ચાર્લ્સ કોરિયા

3. લુઈસ કાહન

4. ઝહા હદીદ

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Question Number : 74 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Who was the architect of the glass pyramid at the Louvre Paris ?

Options :

1. Frank Lloyd Wright

2. Walter Gropius

3. I.M. Pei

4. Charles Correa

Question Number : 74 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

कौन लूव्र पेरिस में ग्लास पिरामिड के वास्तुकार थे?

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1. फ्रैंक लॉयड राइट

2. वाल्टर ग्रोपियस

3. आई.एम. पेई

4. चार्ल्स कोरिया

Question Number : 74 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

લૂવર પેરિસ સ્થિત કાચના પિરામિડના વાસ્તુકાર (સ્થપતિ) કોણ હતા?

Options :

1. ફ્રેન્ક લોઈડ રાઈટ

2. વોલ્ટર ગ્રોપીયસ

3. આઈ.એમ. પેઈ

4. ચાર્લ્સ કોરિયા

Question Number : 75 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

Who amongst the following is an architect?

Options :

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1. Geoffery Bawa

2. Sharmila Tagore

3. Louis Armstrong

4. Donald Trump

Question Number : 75 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन एक वास्तुकार है?

Options :

1. जेओफ्री बावा

2. शर्मिला टैगोर

3. लुइस आर्मस्ट्रांग

4. डोनाल्ड ट्रम्प

Question Number : 75 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

નીચેનામાંથી કોણ, એક વાસ્તુકાર (સ્થપતિ) છે?

Options :

1. જેફરી બાવા

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2. શર્મિલા ટાગોર

3. લુઈસ આર્મસ્ટ્રોંગ

4. ડોનાલ્ડ ટ્રમ્પ

Drawing

Section Id : 40503619
Section Number : 3
Section type : Offline
Mandatory or Optional: Mandatory
Number of Questions: 2
Number of Questions to be attempted: 2
Section Marks: 100

Sub-Section Number: 1
Sub-Section Id: 40503627
Question Shuffling Allowed : No

Question Number : 76 Question Type : SUBJECTIVE
Correct Marks : 50

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

Question Number : 76 Question Type : SUBJECTIVE
Correct Marks : 50

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इस प्रश्न के उत्तर के लिए प्रदान की गई जगह में, केवल समतुल्य त्रिकोणों 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 : 76 Question Type : SUBJECTIVE
Correct Marks : 50

આ પ્રશ્નનાં જવાબ માટે આપેલ જગ્યાને અનુરૂપ, ફક્ત સમબાજુ ત્રિકોણોનો ઉપયોગ કરી, એક સુંદર રચના તૈયાર કરો. આ આકારોની સંખ્યા, કદ, ગોઠવણી અને દિશાઓ પર કોઈ મર્યાદા નથી. આ રચનામાં રંગ પૂરો કે જેથી તે જોવામાં રોમાંચક લાગે.

Question Number : 77 Question Type : SUBJECTIVE
Correct Marks : 50

Draw from imagination a mother cooking in the kitchen.

OR

Draw from imagination a beautiful building.

OR

Draw from memory the face of one of your parent.

Question Number : 77 Question Type : SUBJECTIVE
Correct Marks : 50

रसोई में खाना पकाती माँ की कल्पना का चित्र बनायें।

अथवा

एक सुंदर इमारत कल्पना से चित्रित करें।

अथवा

स्मृति से अपने माता-पिता में से एक का चेहरा चित्रित करें।

Question Number : 77 Question Type : SUBJECTIVE
Correct Marks : 50

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તમારી કલ્પનાથી રસોડામાં રસોઈ કરતી એક માતા નું ચિત્ર બનાવો.

અથવા

તમારી કલ્પનાથી એક સુંદર ઈમારતનું ચિત્ર બનાવો.

અથવા

તમારી સ્મરણશક્તિથી તમારા માતા-પિતામાંથી કોઈ એકના ચહેરાનું ચિત્ર બનાવો.

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