National Testing Agency

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B ARCH

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Mathematics

Section Id :	40503627
Section Number :	1
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Mandatory or Optional:	Mandatory
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Number of Questions to be attempted:	25
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Sub-Section Number:	1
Sub-Section Id:	40503637
Question Shuffling Allowed :	Yes

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

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In a certain town, 25% families own a phone, 15% families own a car, 65% families own neither a phone nor a car and 2000 families own both a car and a phone. Consider the following Statements (S) :

(S_1) : 35% families own at least one of a car or a phone.

(S_2) : 40,000 families live in the town.

Then :

Options :

1. (S_1) is true and (S_2) is false.

2. (S_1) is false and (S_2) is true.

3. Both (S_1) and (S_2) are true.

4. Both (S_1) and (S_2) are false.

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

किसी शहर में, 25% परिवारों के पास एक फोन है, 15% परिवारों के पास एक कार है, 65% परिवारों के पास न तो फोन है न ही कार है तथा 2000 परिवारों के पास कार तथा फोन दोनों हैं। निम्न कथनों (S) पर विचार कीजिए :

(S_1) : 35% परिवारों के पास एक कार या एक फोन में से कम से कम एक है।

(S_2) : शहर में 40,000 परिवार रहते हैं।

तो :

Options :

1. (S_1) सत्य है तथा (S_2) असत्य है।

2. (S_1) असत्य है तथा (S_2) सत्य है।

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3. (S_1) तथा (S_2) दोनों सत्य हैं।

4. (S_1) तथा (S_2) दोनों असत्य हैं।

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

એક નગરમાં 25% કુટુંબો ફોન ધરાવે છે, 15% કુટુંબો કાર ધરાવે છે, 65% કુટુંબો પાસે કાર અને ફોન બન્ને નથી અને 2000 કુટુંબો પાસે કાર અને ફોન બન્ને છે. નીચેના વિધાનો (S) ધ્યાને લઇએ :

(S_1) : 35% કુટુંબો પાસે એછામાં ઓછી એક કાર અથવા ફોન છે.

(S_2) : 40,000 કુટુંબો આ નગરમાં રહે છે.

તો

Options :

1. (S_1) સાચું છે અને (S_2) ખોટું છે.

2. (S_1) ખોટું છે અને (S_2) સાચું છે.

3. (S_1) અને (S_2) બન્ને સાચાં છે.

4. (S_1) અને (S_2) બન્ને ખોટાં છે.

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

If the roots α and β of the equation, $x^2 - \sqrt{2}\,x + c = 0$ are complex for some real number $c \neq 1$ and $\left|\frac{\alpha - \beta}{}\right| = 1$ then a

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Options :

1. $-2+\sqrt{6}$

2. $4-\sqrt{6}$

3. $3-\sqrt{6}$

4. $-1+\sqrt{6}$

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

यदि किसी वास्तविक संख्या $c \neq 1$ के लिए समीकरण

$x^2 - \sqrt{2}\,x + c = 0$ के मूल α तथा β सम्मिश्र हैं

तथा $\left|\frac{\alpha - \beta}{1 - \alpha\beta}\right| = 1$ है, तो c का एक मान है :

Options :

1. $-2+\sqrt{6}$

2. $4-\sqrt{6}$

3. $3-\sqrt{6}$

4. $-1+\sqrt{6}$

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

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કોઇક વાસ્તવિક $c \neq 1$ માટે $x^2 - \sqrt{2}x + c = 0$ ના બીજ α અને β સંકર સંખ્યા થાય અને $\left|\frac{\alpha - \beta}{1 - \alpha\beta}\right| = 1$ થતું હોય તો $c =$

Options :

1. $-2 + \sqrt{6}$

2. $4 - \sqrt{6}$

3. $3 - \sqrt{6}$

4. $-1 + \sqrt{6}$

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

Let A be a 2×2 matrix such that $3A^2 + 6A - 4I = 0$. Then a value of $|A + I|$ is :

Options :

1. $\sqrt{\frac{7}{3}}$

2. $-\frac{7}{3}$

3. $-\frac{7}{\sqrt{3}}$

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4. $\frac{3}{7}$

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

माना A एक 2×2 का आव्यूह है जिसके लिए $3A^2+6A-4I=0$ है। तो $|A+I|$ का एक मान है :

Options :

1. $\sqrt{\frac{7}{3}}$

2. $-\frac{7}{3}$

3. $\sqrt{3}$

4. $\frac{3}{7}$

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

ધારોકે 2×2 શ્રેણીક A એવો છે કે જેથી $3A^2+6A-4I=0$, તો $|A+I|=$

Options :

1. $\sqrt{\frac{7}{3}}$

2. $-\frac{7}{3}$

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3. $-\frac{7}{\sqrt{3}}$

4. $\frac{3}{7}$

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

If $f(x)=\begin{vmatrix} \sin x & \cos x & \tan x \\ x^3 & x^2 & x \\ 2x & 1 & x \end{vmatrix}$,

$x \in \left(-\frac{\pi}{2}, \frac{\pi}{2}\right)$, then $\lim\limits_{x \to 0} \frac{f(x)}{x^2}$ is equal to :

Options :

1. 0

2. 1

3. 2

4. 3

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

यदि $f(x)=\begin{vmatrix} \sin x & \cos x & \tan x \\ x^3 & x^2 & x \\ 2x & 1 & x \end{vmatrix}$,

$x \in \left(-\frac{\pi}{2}, \frac{\pi}{2}\right)$ है, तो $\lim\limits_{x \to 0} \frac{f(x)}{x^2}$ बराबर है :

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1. 0

2. 1

3. 2

4. 3

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

જો $f(x) = \begin{vmatrix} \sin x & \cos x & \tan x \\ x^3 & x^2 & x \\ 2x & 1 & x \end{vmatrix}$,

$x \in \left(-\frac{\pi}{2}, \frac{\pi}{2}\right)$ હોય તો $\lim_{x \to 0} \frac{f(x)}{x^2} =$

Options :

1. 0

2. 1

3. 2

4. 3

Question Number : 5 Question Type : MCQ Option Shuffling : Yes

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If α and β are the coefficients of x^8 and x^{-24} respectively, in the expansion of $\left(x^4+2+\frac{1}{x^4}\right)^{10}$ in powers of x, then $\frac{\alpha}{\beta}$ is equal to :

Options :

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

2. 26

3. $\frac{32}{3}$

4. 39

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

यदि $\left(x^4+2+\frac{1}{x^4}\right)^{10}$ के x की घातों में प्रसार में

x^8 तथा x^{-24} के गुणांक क्रमशः α तथा β हैं, तो $\frac{\alpha}{\beta}$

बराबर है :

Options :

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

2. 26

3. $\frac{32}{3}$

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4. 39

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

જો $\left(x^4+2+\frac{1}{x^4}\right)^{10}$ ના x ની ઘાતોમાં વિસ્તરણમાં x^8 અને x^{-24} ના સહગુણકો અનુક્રમે α અને β હોય $\frac{\alpha}{\beta}=$

Options :

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

2. 26

3. $\frac{32}{3}$

4. 39

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

Let $S=3+55+333+5555+33333+....$ upto 22 terms. If $9S+88=A(10^{22}-1)$, then A is equal to :

Options :

1. $\frac{530}{99}$

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2. $\frac{350}{88}$

3. $\frac{450}{99}$

4. $\frac{630}{88}$

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

माना $S = 3 + 55 + 333 + 5555 + 33333 + ...$
22 पदों तक, है। यदि $9S + 88 = A(10^{22} - 1)$ है, तो
A बराबर है :

Options :

1. $\frac{530}{99}$

2. $\frac{350}{88}$

3. $\frac{450}{99}$

4. $\frac{630}{88}$

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

ધારોકે $S = 3 + 55 + 333 + 5555 + 33333 + ...$
22 પદો સુધી. જો $9S + 88 = A(10^{22} - 1)$, તો A=

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1. $\frac{530}{99}$

2. $\frac{350}{88}$

3. $\frac{450}{99}$

4. $\frac{630}{88}$

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

If $x = e^t \sin t$ and $y = e^t \cos t$, t is a parameter,

then the value of $\frac{d^2x}{dy^2} + \frac{d^2y}{dx^2}$ at $t = 0$, is :

Options :

1. 0

2. -2

3. $\frac{1}{2}$

4. 2

Question Number : 7 Question Type : MCQ Option Shuffling : Yes

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यदि $x = e^t \sin t$ तथा $y = e^t \cos t$, जहाँ t एक प्राचल (parameter) है, तो $t = 0$ पर $\frac{d^2x}{dy^2} + \frac{d^2y}{dx^2}$ का मान है :

Options :

1. 0

2. -2

3. $\frac{1}{2}$

4. 2

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

જો $x = e^t \sin t$ અને $y = e^t \cos t$, t પ્રચલ, તો $t = 0$ આગળ $\frac{d^2x}{dy^2} + \frac{d^2y}{dx^2}$ ની કિંમત=

Options :

1. 0

2. -2

3. $\frac{1}{2}$

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4. 2

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

For non-zero real numbers l, m, n and a, let $f(x) = lx^3 + mx + n$ and $f(a) = f(4a)$. Then the value $x \in [a, 4a]$, at which the tangent to the curve $y = f(x)$ is parallel to the x-axis, is :

Options :

1. 2a

2. 3a

3. $\sqrt{5}$ a

4. $\sqrt{7}$ a

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

अशून्य वास्तविक संख्याओं l, m, n तथा a के लिए, माना $f(x) = lx^3 + mx + n$ तथा $f(a) = f(4a)$ हैं। तो $x \in [a, 4a]$ का वह मान, जिस पर वक्र $y = f(x)$ की स्पर्श रेखा x-अक्ष के समान्तर है, है :

Options :

1. 2a

2. 3a

3. $\sqrt{5}$ a

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4. $\sqrt{7}$ a

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

શૂન્યેતર વાસ્તવિક સંખ્યાઓ l, m, n અને a માટે ધારેકે $f(x) = lx^3 + mx + n$ અને $f(a) = f(4a)$. વક્ર $y = f(x)$ નો સ્પર્શક x-અક્ષને સમાંતર થાય તેવી $x \in [a, 4a]$ ની કિંમત _____ છે.

Options :

1. 2a

2. 3a

3. $\sqrt{5}$ a

4. $\sqrt{7}$ a

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

The set of all positive real values of k, for which the equation $x^3 - 9x^2 + 24x - k = 0$ has three distinct real roots, is the interval :

Options :

1. (18, 21)

2. (16, 20)

3. (12, 16)

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4. (14, 18)

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

k के सभी धनात्मक वास्तविक मानों, जिनके लिए समीकरण $x^3-9x^2+24x-k=0$ के तीन विभिन्न वास्तविक मूल हैं, का समुच्चय निम्न में से कौन सा अन्तराल है?

Options :

1. (18, 21)

2. (16, 20)

3. (12, 16)

4. (14, 18)

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

સમીકરણ $x^3-9x^2+24x-k=0$ ને ત્રણ ભિન્ન વાસ્તવિક બીજ હોય તેવી તમામ ધન વાસ્તવિક સંખ્યાઓ k નો ગણ નીચેનામાંથી કયો અંતરાલ છે?

Options :

1. (18, 21)

2. (16, 20)

3. (12, 16)

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4. (14, 18)

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

The integral $\int \frac{(2\sin\theta - 1)\cos\theta}{5 - \cos^2\theta - 4\sin\theta} d\theta$ is equal to :
(where C is a constant of integration)

Options :

1. $3\log_e(2+\cos\theta) + \frac{2}{2-\cos\theta} + C$

2. $3\log_e(2-\cos\theta) + \frac{2}{2-\sin\theta} + C$

3. $2\log_e(2-\sin\theta) + \frac{3}{2-\sin\theta} + C$

4. $2\log_e(2+\sin\theta) + \frac{3}{2-\cos\theta} + C$

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

समाकल $\int \frac{(2\sin\theta - 1)\cos\theta}{5 - \cos^2\theta - 4\sin\theta} d\theta$ बराबर है :
(जहाँ C एक समाकलन अचर है)

Options :

1. $3\log_e(2+\cos\theta) + \frac{2}{2-\cos\theta} + C$

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2. $3\log_e(2-\cos\theta)+\frac{2}{2-\sin\theta}+C$

3. $2\log_e(2-\sin\theta)+\frac{3}{2-\sin\theta}+C$

4. $2\log_e(2+\sin\theta)+\frac{3}{2-\cos\theta}+C$

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

સંકલન $\int\frac{(2\sin\theta-1)\cos\theta}{5-\cos^2\theta-4\sin\theta}d\theta=$

(જ્યાં C એ સંકલનનો અચળાંક છે)

Options :

1. $3\log_e(2+\cos\theta)+\frac{2}{2-\cos\theta}+C$

2. $3\log_e(2-\cos\theta)+\frac{2}{2-\sin\theta}+C$

3. $2\log_e(2-\sin\theta)+\frac{3}{2-\sin\theta}+C$

4. $2\log_e(2+\sin\theta)+\frac{3}{2-\cos\theta}+C$

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The area (in sq. units) of the region,

$R = \{(x, y) : y \le x^2, y \le 2x + 3, x \le 1$ and $y + 1 \ge 0\}$ is :

Options :

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

2. $\frac{10}{3}$

3. $\frac{11}{3}$

4. $\frac{13}{3}$

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

क्षेत्र $R = \{(x, y) : y \le x^2, y \le 2x + 3, x \le 1$ तथा $y + 1 \ge 0\}$ का क्षेत्रफल (वर्ग इकाइयों में) है :

Options :

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

2. $\frac{10}{3}$

3. $\frac{11}{3}$

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4. $\frac{13}{3}$

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

પ્રદેશ $R = \{(x, y) : y \leq x^2, y \leq 2x + 3, x \leq 1$ અને $y + 1 \geq 0\}$ નું ક્ષેત્રફળ (ચો. એકસમાં) નીચેનામાંથી કેટલું થાય?

Options :

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

2. $\frac{10}{3}$

3. $\frac{11}{3}$

4. $\frac{13}{3}$

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

Let C be the circle concentric with the circle, $2x^2 + 2y^2 - 6x - 10y = 183$ and having area $\left(\frac{1}{10}\right)^{th}$ of the area of this circle. Then a tangent to C, parallel to the line, $3x + y = 0$ makes an intercept on the y-axis, which is equal to :

Options :

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1. 14

2. 17

3. -4

4. -10

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

माना C वह वृत्त है जो वृत्त $2x^2+2y^2-6x-10y=183$ के संकेन्द्री है तथा जिसका क्षेत्रफल इस वृत्त के क्षेत्रफल का $\left(\frac{1}{10}\right)$ वां हिस्सा है। तो रेखा $3x+y=0$ के समान्तर C की एक स्पर्श रेखा y-अक्ष से जो अंत:खंड काटती है, वह है :

Options :

1. 14

2. 17

3. -4

4. -10

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

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ધારોકે વર્તુળ C અને વર્તુળ
$2x^2+2y^2-6x-10y=183$ સમકેન્દ્રી છે અને C
નું ક્ષેત્રફળ આ વર્તુળનાં ક્ષેત્રફળનાં $\left(\frac{1}{10}\right)$ મા ભાગનું છે.
તો રેખા $3x+y=0$ ને સમાંતર એવા C ના સ્પર્શક નો
y-અક્ષ પરનો અંત:ખંડ =

Options :

1. 14

2. 17

3. -4

4. -10

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

The area (in sq. units) of the region enclosed by the lines, $ax \pm by \pm c = 0$ (a, b, c $\in$ **R** are positive and distinct) is :

Options :

1. $\frac{2a^2}{bc}$

2. $\frac{2c^2}{ab}$

3. $\frac{2b^2}{ac}$

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4. $\frac{4c^2}{ab}$

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

रेखाओं $ax \pm by \pm c = 0$ (a, b, c $\in$ **R**, धनात्मक तथा भिन्न हैं) द्वारा परिबद्ध क्षेत्र का क्षेत्रफल (वर्ग इकाइयों में) है :

Options :

1. $\frac{2a^2}{bc}$

2. $\frac{2c^2}{ab}$

3. $\frac{2b^2}{ac}$

4. $\frac{4c^2}{ab}$

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

રેખાઓ $ax \pm by \pm c = 0$ (a, b, c $\in$ **R** એ ધન અને ભિન્ન છે) વડે ઘેરાયેલા પ્રદેશનું ક્ષેત્રફળ (ચો. એકમમાં) નીચેનામાંથી કયું થાય?

Options :

1. $\frac{2a^2}{bc}$

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2. $\frac{2c^2}{ab}$

3. $\frac{2b^2}{ac}$

4. $\frac{4c^2}{ab}$

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

If an ellipse has centre at $(0, 0)$, a focus at $(-3, 0)$ and the corresponding directrix is $3x + 25 = 0$, then it passes through the point :

Options :

1. $\left(\frac{5}{2}, 4\right)$

2. $(-5, -4)$

3. $\left(\frac{5}{\sqrt{2}}, \frac{4}{\sqrt{2}}\right)$

4. $\left(-5, -\frac{4}{\sqrt{2}}\right)$

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

ZOLLEGE.in

यदि एक दीर्घवृत्त का केन्द्र $(0, 0)$ पर है, एक नाभि $(-3, 0)$ पर है तथा संगत नियता $3x+25=0$ है, तो यह निम्न में से किस बिन्दु से होकर जाता है?

Options :

1. $\left(\frac{5}{2}, 4\right)$

2. $(-5, -4)$

3. $\left(\frac{5}{\sqrt{2}}, \frac{4}{\sqrt{2}}\right)$

4. $\left(-5, -\frac{4}{\sqrt{2}}\right)$

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

જો કોઇ ઉપવલય નું કેન્દ્ર $(0, 0)$ અને નાભિ $(-3, 0)$ આગળ અને અનુરૂપ નિયામિકા $3x + 25 = 0$ હોય તો તે નીચેનામાંથી કયા બિંદુમાંથી પસાર થાય?

Options :

1. $\left(\frac{5}{2}, 4\right)$

2. $(-5, -4)$

3. $\left(\frac{5}{\sqrt{2}}, \frac{4}{\sqrt{2}}\right)$

ZOLLEGE.in

4. $\left(-5, -\frac{4}{\sqrt{2}}\right)$

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

Let P be the point of intersection of two lines $\frac{x+10}{1} = \frac{y-21}{7} = \frac{z+11}{5}$ and $\frac{x-1}{5} = \frac{y-46}{9} = \frac{z}{3}$. If Q be the point $(-10, 21, -11)$; then PQ is equal to :

Options :

1. 3

2. 5

3. $5\sqrt{2}$

4. $5\sqrt{3}$

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

माना दो रेखाओं $\frac{x+10}{1} = \frac{y-21}{7} = \frac{z+11}{5}$ तथा $\frac{x-1}{5} = \frac{y-46}{9} = \frac{z}{3}$ का प्रतिच्छेदन बिन्दु P है। यदि Q बिन्दु $(-10, 21, -11)$ है, तो PQ बराबर है :

Options :

1. 3

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2. 5

3. $5\sqrt{2}$

4. $5\sqrt{3}$

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

ધારો કે બે રેખાઓ

$\frac{x+10}{1} = \frac{y-21}{7} = \frac{z+11}{5}$ અને

$\frac{x-1}{5} = \frac{y-46}{9} = \frac{z}{3}$ નું છેદ બિંદુ P છે. જો Q

એ બિંદુ $(-10, 21, -11)$ હોય તો PQ =

Options :

1. 3

2. 5

3. $5\sqrt{2}$

4. $5\sqrt{3}$

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

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If θ is the angle between the line $\vec{r} = (\hat{i} + 2\hat{j} - \hat{k}) + \lambda(\hat{i} - \hat{j} + 2\hat{k}), \lambda \in \mathbf{R}$ and the plane $\vec{r} \cdot (2\hat{i} - \hat{j} + \hat{k}) = 4$, then a value of $\cos\theta$ is :

Options :

1. $\frac{\sqrt{11}}{6}$

2. $\frac{\sqrt{13}}{6}$

3. $\frac{\sqrt{35}}{6}$

4. $\frac{\sqrt{7}}{3}$

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

यदि रेखा $\vec{r} = (\hat{i} + 2\hat{j} - \hat{k}) + \lambda(\hat{i} - \hat{j} + 2\hat{k}), \lambda \in \mathbf{R}$ तथा समतल $\vec{r} \cdot (2\hat{i} - \hat{j} + \hat{k}) = 4$ के बीच का कोण θ है, तो $\cos\theta$ का एक मान है :

Options :

1. $\frac{\sqrt{11}}{6}$

2. $\frac{\sqrt{13}}{6}$

ZOLLEGE.in

3. $\frac{\sqrt{35}}{6}$

4. $\frac{\sqrt{7}}{3}$

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

જો θ એ રેખા

$\vec{r} = \left(\hat{i} + 2\hat{j} - \hat{k}\right) + \lambda\left(\hat{i} - \hat{j} + 2\hat{k}\right), \lambda \in \mathbf{R}$

અને સમતલ $\vec{r} \cdot \left(2\hat{i} - \hat{j} + \hat{k}\right) = 4$ વચ્ચેનો ખૂણો

હોય તો $\cos\theta =$

Options :

1. $\frac{\sqrt{11}}{6}$

2. $\frac{\sqrt{13}}{6}$

3. $\frac{\sqrt{35}}{6}$

4. $\frac{\sqrt{7}}{3}$

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

ZOLLEGE.in

Let X be a random variable which takes values k with the probability kp, where $k=1,2,3,4$ and $p\in(0,1)$. Then the standard deviation of X is :

Options :

1. 1

2. $\sqrt{7}$

3. 3

4. $\sqrt{10}$

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

माना X एक ऐसा यादृच्छिक चर है जिसके मान k की प्रायिकता kp है, जहाँ $k=1,2,3,4$ तथा $p\in(0,1)$ हैं। तो X का मानक विचलन है :

Options :

1. 1

2. $\sqrt{7}$

3. 3

4. $\sqrt{10}$

Question Number : 17 Question Type : MCQ Option Shuffling : Yes

ZOLLEGE.in

ધારોકે યાદચ્છિક ચલ X એ કિંમત k ધારણ કરે તેની સંભાવના kp છે, જ્યાં $k=1, 2, 3, 4$ અને $p \in (0, 1)$, તો X નું પ્રમાણિત વિચલન નીચેનામાંથી કેટલું થાય?

Options :

1. 1

2. $\sqrt{7}$

3. 3

4. $\sqrt{10}$

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

If the probability of a shooter A not hitting a target is 0.5 and that for the shooter B is 0.7, then the probability that either A or B fails to hit the target is :

Options :

1. 0.35

2. 0.25

3. 0.20

4. 0.85

ZOLLEGE.in

यदि एक शूटर A की एक लक्ष्य को न भेद पाने की प्रायिकता 0.5 है तथा शूटर B की उसी लक्ष्य को न भेद पाने की प्रायिकता 0.7 है, तो A या B के लक्ष्य को न भेद पाने की प्रायिकता है :

Options :

1. 0.35

2. 0.25

3. 0.20

4. 0.85

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

ધારોકે નિશાનબાજ A લક્ષ્ય ન વેધે તેની સંભાવના 0.5 છે અને આ સંભાવના નિશાનબાજ B માટે 0.7 છે. તો નિશાનબાજ A અથવા નિશાનબાજ B લક્ષ્ય વેધવામાં નિષ્ફળ જાય તેની સંભાવના કેટલી થાય?

Options :

1. 0.35

2. 0.25

3. 0.20

4. 0.85

ZOLLEGE.in

Correct Marks : 4 Wrong Marks : 1

The value of $\cot\frac{\pi}{24}$ is :

Options :

1. $2+\sqrt{2}+\sqrt{3}-\sqrt{6}$

2. $1-\sqrt{2}+\sqrt{3}+\sqrt{6}$

3. $2+\sqrt{2}+\sqrt{3}+\sqrt{6}$

4. $1+\sqrt{2}+\sqrt{3}+\sqrt{6}$

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

$\cot\frac{\pi}{24}$ का मान है :

Options :

1. $2+\sqrt{2}+\sqrt{3}-\sqrt{6}$

2. $1-\sqrt{2}+\sqrt{3}+\sqrt{6}$

3. $2+\sqrt{2}+\sqrt{3}+\sqrt{6}$

4. $1+\sqrt{2}+\sqrt{3}+\sqrt{6}$

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

$\cot\frac{\pi}{24}$ નું મૂલ્ય નીચેનામાંથી કયું છે?

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1. $2+\sqrt{2}+\sqrt{3}-\sqrt{6}$

2. $1-\sqrt{2}+\sqrt{3}+\sqrt{6}$

3. $2+\sqrt{2}+\sqrt{3}+\sqrt{6}$

4. $1+\sqrt{2}+\sqrt{3}+\sqrt{6}$

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

The Boolean expression

$\sim (p \vee q) \vee (\sim p \wedge q)$ is equivalent to :

Options :

1. p

2. q

3. ~q

4. ~p

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

बूलीय व्यंजक $\sim (p \vee q) \vee (\sim p \wedge q)$ निम्न में से किस के तुल्य है?

Options :

1 p

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2. q

3. ~q

4. ~p

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

બૂલિયન નિરૂપણ $\sim (p \vee q) \vee (\sim p \wedge q)$
નીચેનામાંથી કોને સમકક્ષ છે?

Options :

1. p

2. q

3. ~q

4. ~p

Sub-Section Number: 2
Sub-Section Id: 40503638
Question Shuffling Allowed : Yes

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

The largest value of $n \in N$ for which

$\frac{74}{\quad} > \frac{^{n+3}P_3}{\quad}$ is

ZOLLEGE.in

Show Word Count: Yes
Answers Type: Range
Possible Answers :
6 to 6

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

$n \in N$ का अधिकतम मान, जिसके लिए

$\frac{74}{{}^{n}P_{n}} > \frac{{}^{n+3}P_{3}}{{}^{n+1}P_{n+1}}$ है, है _____ ।

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
6 to 6

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

$n \in N$ ની મહત્તમ કિંમત કે જેના માટે

$\frac{74}{{}^{n}P_{n}} > \frac{{}^{n+3}P_{3}}{{}^{n+1}P_{n+1}}$ થતું હોય તે _____ છે.

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
6 to 6

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

If $y = y(x)$ is the solution of the differential equation, $x\frac{dy}{dx} = y(\log_e y - \log_e x + 1)$, when $y(1) = 2$, then $y(2)$ is equal to _____.

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

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

ZOLLEGE.in

यदि $y = y(x)$, अवकल समीकरण

$x\frac{dy}{dx} = y(\log_e y - \log_e x + 1)$ का हल है,

जबकि $y(1) = 2$ है, तो $y(2)$ 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 : 22 Question Type : SA
Correct Marks : 4 Wrong Marks : 0

જો $y = y(x)$ એ વિકલ સમીકરણ

$x\frac{dy}{dx} = y(\log_e y - \log_e x + 1)$ જ્યાં $y(1) = 2$

નો ઉકેલ હોય તો $y(2)$= _____.

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

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

The interior angles of a polygon are all obtuse and are in A.P. If the smallest angle is 120° and common difference of this A.P. is 5°, then the number of sides of the polygon is _____.

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
9 to 9

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

एक बहुभुज के सभी अंत:कोण, अधिक कोण हैं तथा समान्तर श्रेढ़ी में हैं। यदि सबसे छोटा कोण 120° का है तथा इस समान्तर श्रेढ़ी का सार्व अन्तर 5° है, तो इस बहुभुज की भुजाओं की संख्या है _____ ।

Response Type: Numeric

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Possible Answers :

9 to 9

Question Number : 23 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

એક બહુકોણના બધાજ અંતઃકોણો ગુરુકોણ છે અને તે સમાંતર શ્રેણી (A.P.) માં છે. જો સૌથી નાનો ખૂણો $120°$ નો હોય અને આ સમાંતર શ્રેણીનો સામાન્ય તફાવત $5°$ નો હોય તો આ બહુકોણની બાજુઓની સંખ્યા =_____ થાય.

Response Type: Numeric

Evaluation Required For SA: Yes

Show Word Count: Yes

Answers Type: Range

Possible Answers :

9 to 9

Question Number : 24 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

$$\lim_{y \to 0} \frac{(y-2)+2\sqrt{1+y+y^2}}{2y} \text{ is equal to}$$

Response Type: Numeric

Evaluation Required For SA: Yes

Show Word Count: Yes

Answers Type: Range

Possible Answers :

1 to 1

Question Number : 24 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

$$\lim_{y \to 0} \frac{(y-2)+2\sqrt{1+y+y^2}}{2y} \text{ बराबर है}$$

Response Type: Numeric

Evaluation Required For SA: Yes

Show Word Count: Yes

Answers Type: Range

Possible Answers :

1 to 1

Question Number : 24 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

$$\lim_{y \to 0} \frac{(y-2)+2\sqrt{1+y+y^2}}{2y}$$

ZOLLEGE.in

Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
1 to 1

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

If $S = \{z \in \mathbb{C} : \bar{z} = iz^2\}$, then the maximum value of $|z - \sqrt{3} - i|^2$ on S is _____.

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
9 to 9

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

यदि $S = \{z \in \mathbb{C} : \bar{z} = iz^2\}$, तो S पर $|z - \sqrt{3} - i|^2$ का अधिकतम मान है _____

Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
9 to 9

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

જો $S = \{z \in \mathbb{C} : \bar{z} = iz^2\}$, હોય તો $|z - \sqrt{3} - i|^2$ ની S પરની મહત્તમ કિંમત = થાય.

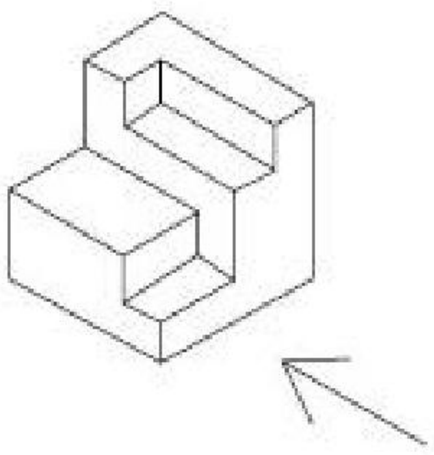
Response Type: Numeric
Evaluation Required For SA: Yes
Show Word Count: Yes
Answers Type: Range
Possible Answers :
9 to 9

Number of Questions:	50
Number of Questions to be attempted:	50
Section Marks:	200

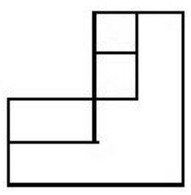
Sub-Section Number:	1
Sub-Section Id:	40503639
Question Shuffling Allowed :	Yes

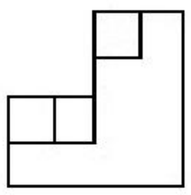
Question Number : 26 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

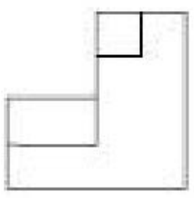
The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

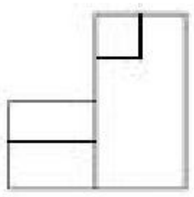


Options :

1. 

2. 

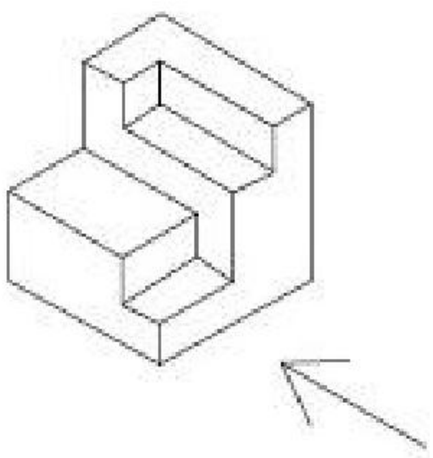
3. 

4. 

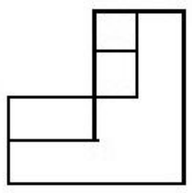
Question Number : 26 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

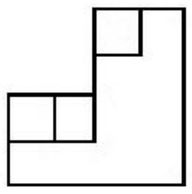
ZOLLEGE.in

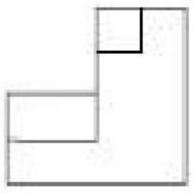
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

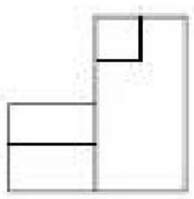


Options :

1. 

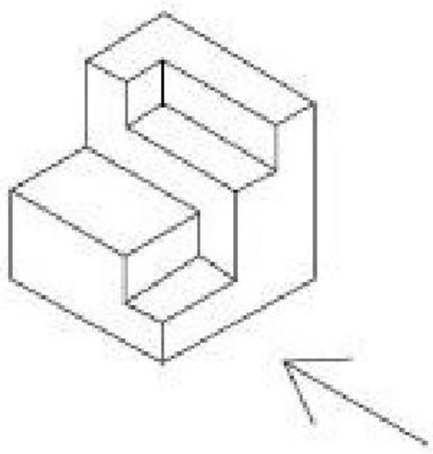
2. 

3. 

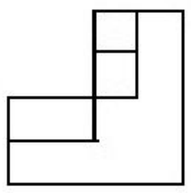
4. 

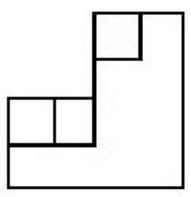
Question Number : 26 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

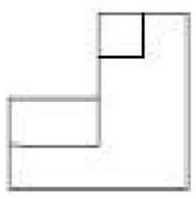
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

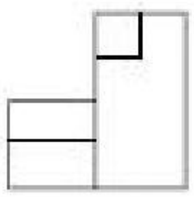


ZOLLEGE.in

1. 

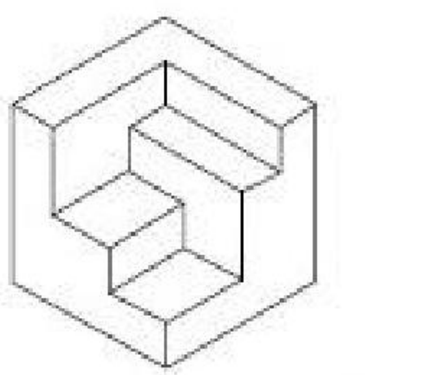
2. 

3. 

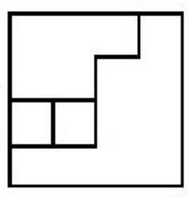
4. 

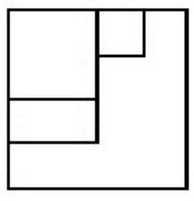
Question Number : 27 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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.

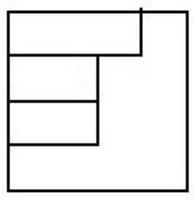


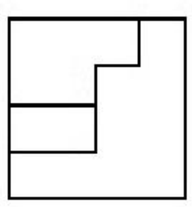
Options :

1. 

2. 

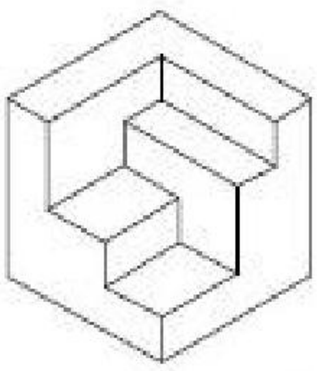
ZOLLEGE.in

3. 

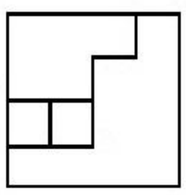
4. 

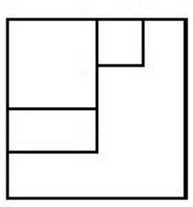
Question Number : 27 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

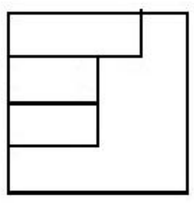
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

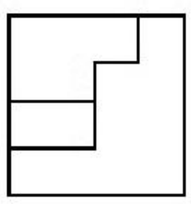


Options :

1. 

2. 

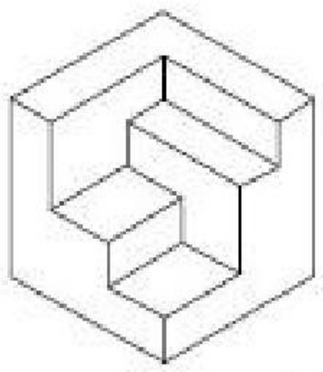
3. 

4. 

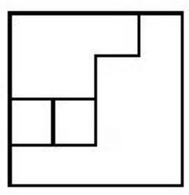
ZOLLEGE.in

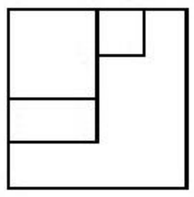
Correct Marks : 4 Wrong Marks : 1

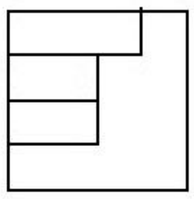
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દૃશ્ય બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી શોધો.

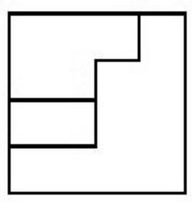


Options :

1. 

2. 

3. 

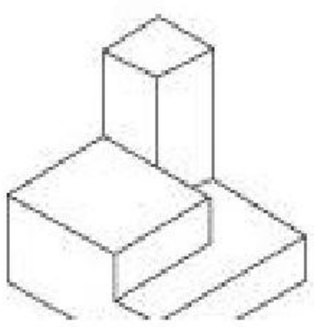
4. 

ZOLLEGE.in

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

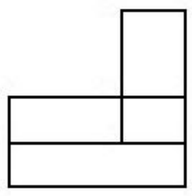
Correct Marks : 4 Wrong Marks : 1

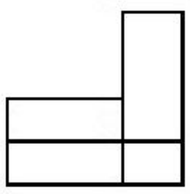
The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

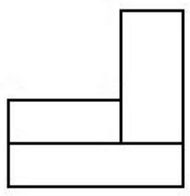


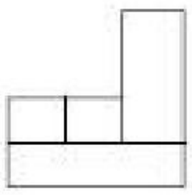
ZOLLEGE.in

Options :

1. 

2. 

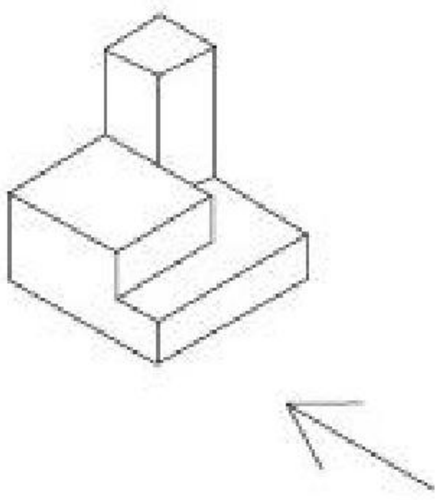
3. 

4. 

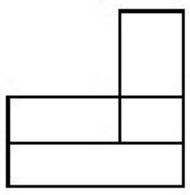
Question Number : 28 Question Type : MCQ Option Shuffling : Yes

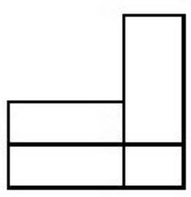
Correct Marks : 4 Wrong Marks : 1

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।

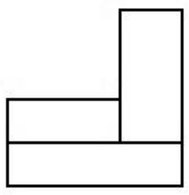


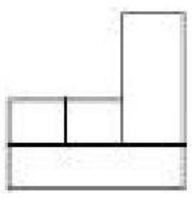
Options :

1. 

2. 

ZOLLEGE.in

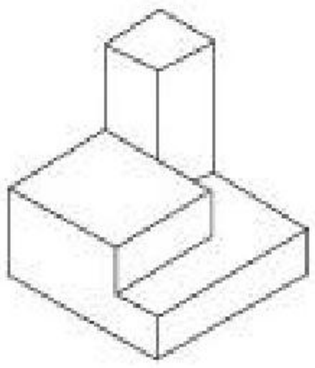
3. 

4. 

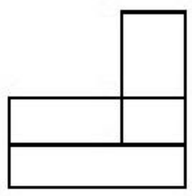
Question Number : 28 Question Type : MCQ Option Shuffling : Yes

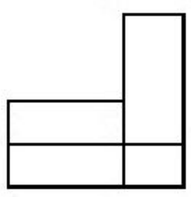
Correct Marks : 4 Wrong Marks : 1

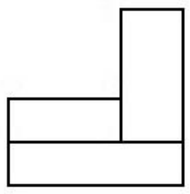
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

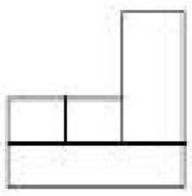


Options :

1. 

2. 

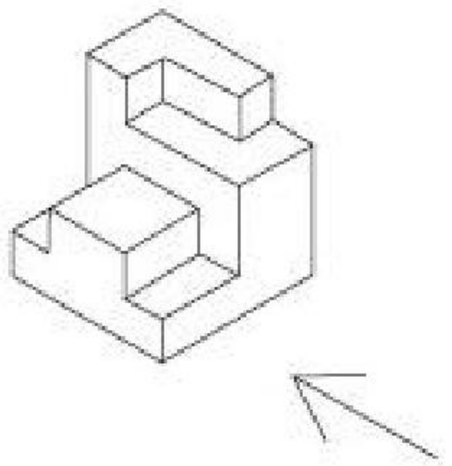
3. 

4. 

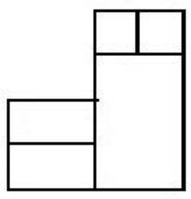
ZOLLEGE.in

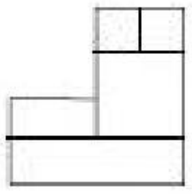
Question Number : 29 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

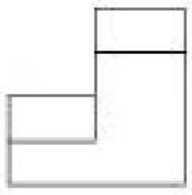
The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

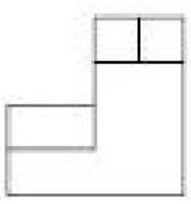


Options :

1. 

2. 

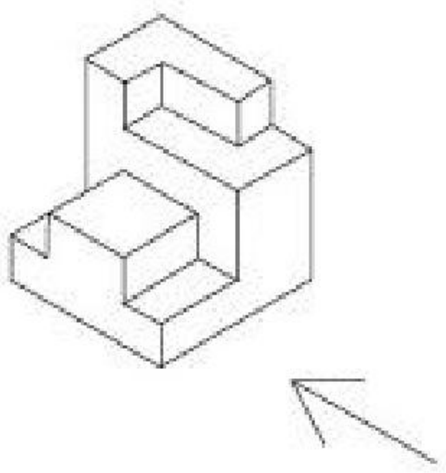
3. 

4. 

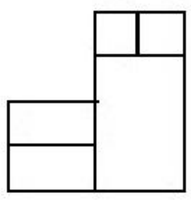
ZOLLEGE.in

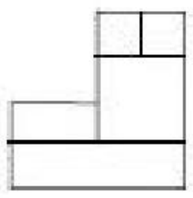
Question Number : 29 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

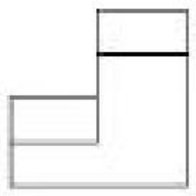
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

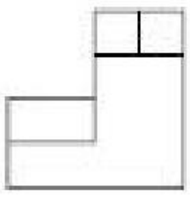


ZOLLEGE.in

1. 

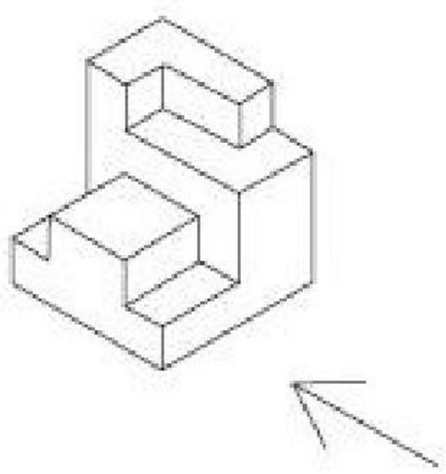
2. 

3. 

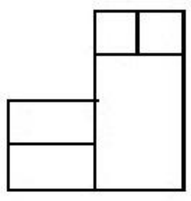
4. 

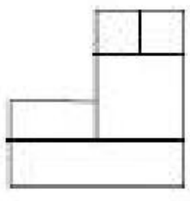
Question Number : 29 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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

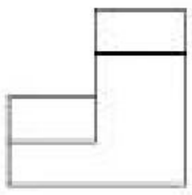


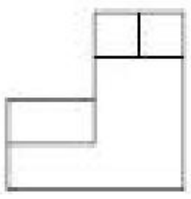
Options :

1. 

2. 

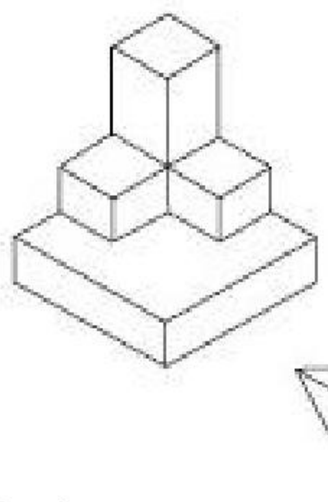
ZOLLEGE.in

3. 

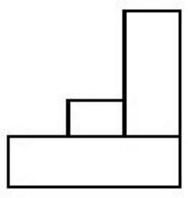
4. 

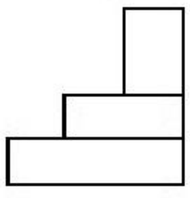
Question Number : 30 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

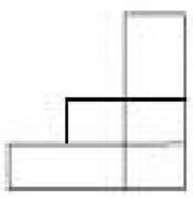
The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

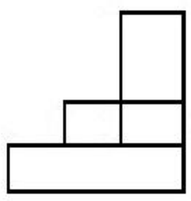


Options :

1. 

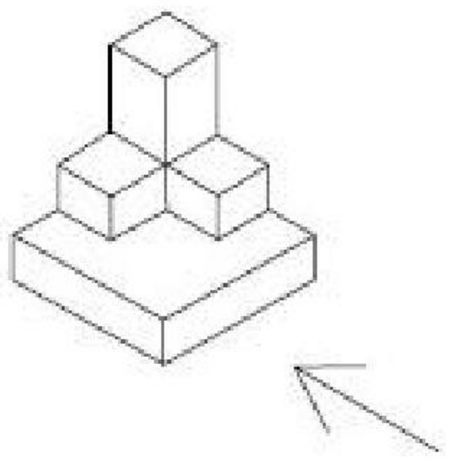
2. 

3. 

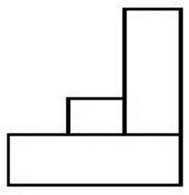
4. 

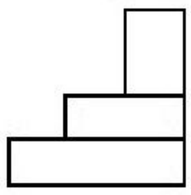
ZOLLEGE.in

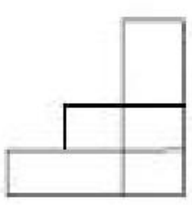
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

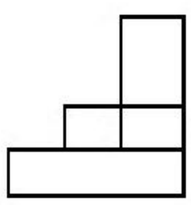


Options :

1. 

2. 

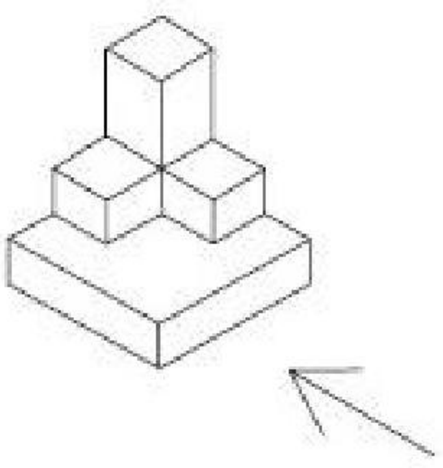
3. 

4. 

ZOLLEGE.in

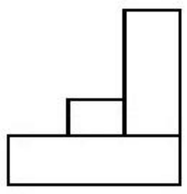
Question Number : 30 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

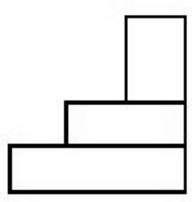
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

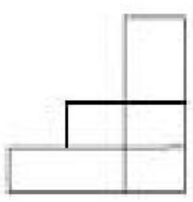


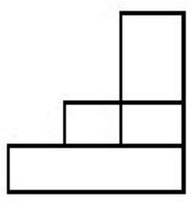
Options :

ZOLLEGE.in

1. 

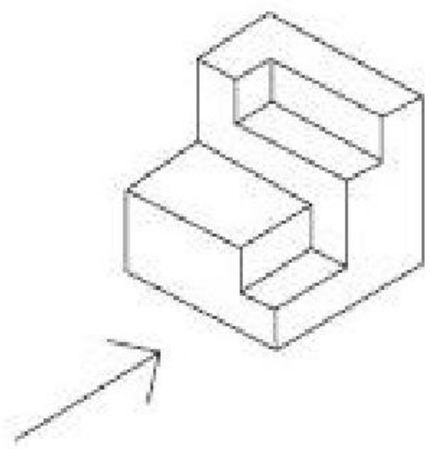
2. 

3. 

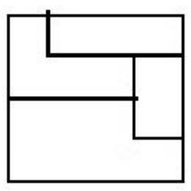
4. 

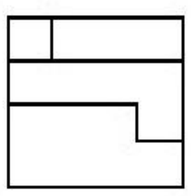
Question Number : 31 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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.

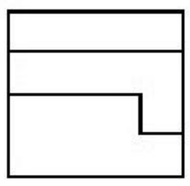


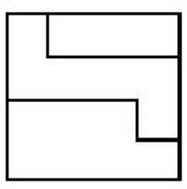
Options :

1. 

2. 

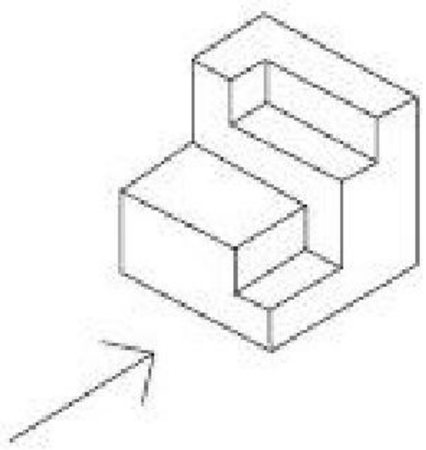
ZOLLEGE.in

3. 

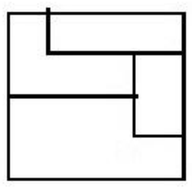
4. 

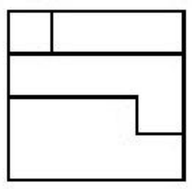
Question Number : 31 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

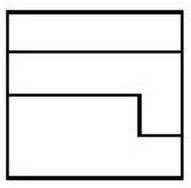
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

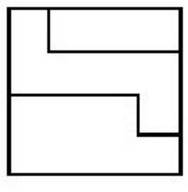


Options :

1. 

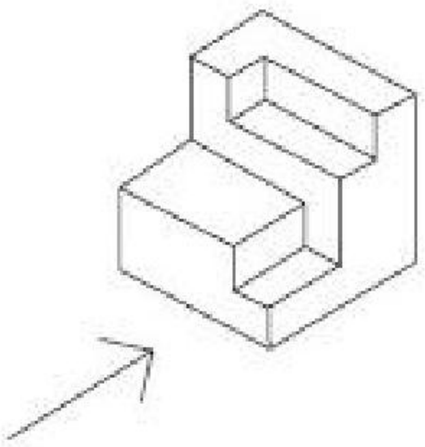
2. 

3. 

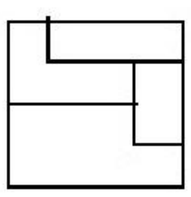
4. 

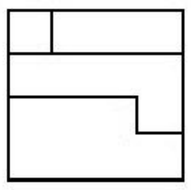
ZOLLEGE.in

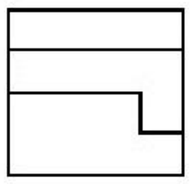
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. તીરની દિશામાં જોતાં આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

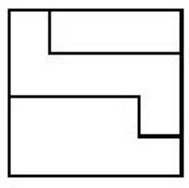


Options :

1. 

2. 

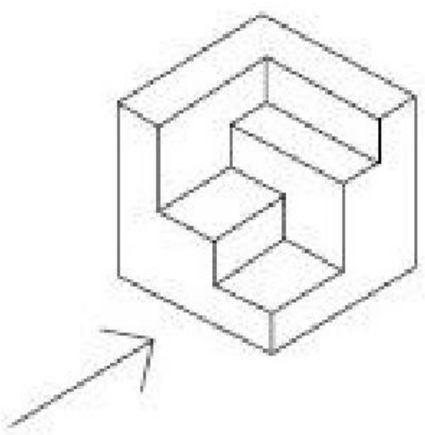
3. 

4. 

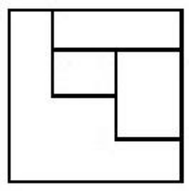
Question Number : 32 Question Type : MCQ Option Shuffling : Yes

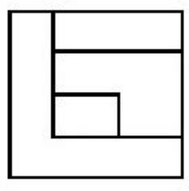
Correct Marks : 4 Wrong Marks : 1

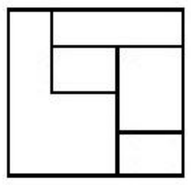
The 3 – D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

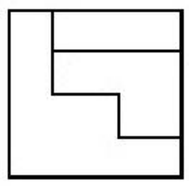


ZOLLEGE.in

1. 

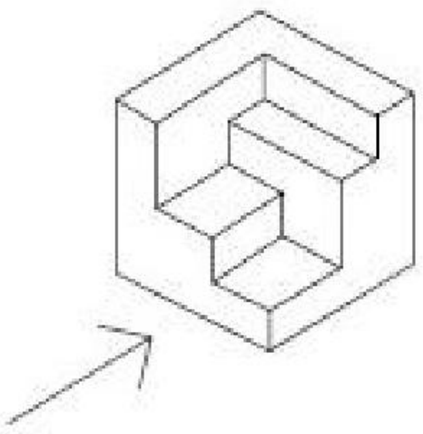
2. 

3. 

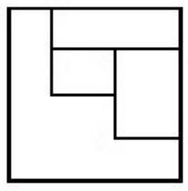
4. 

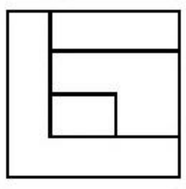
Question Number : 32 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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।

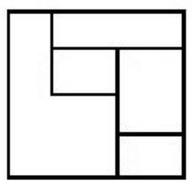


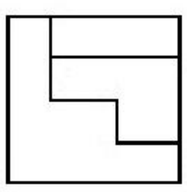
Options :

1. 

2. 

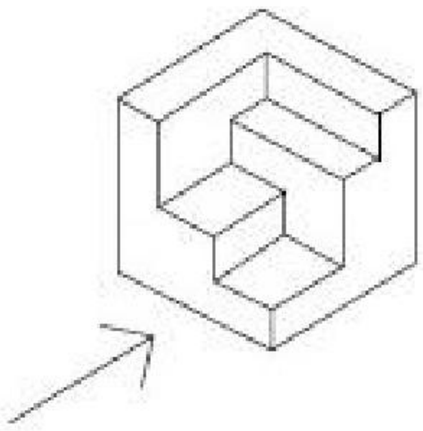
ZOLLEGE.in

3. 

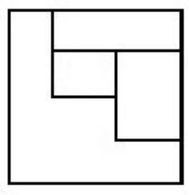
4. 

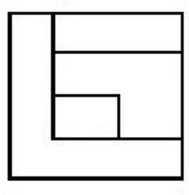
Question Number : 32 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

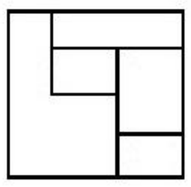
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. તીરની દિશામાં જોતાં આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

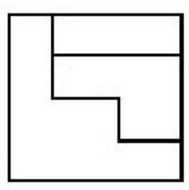


Options :

1. 

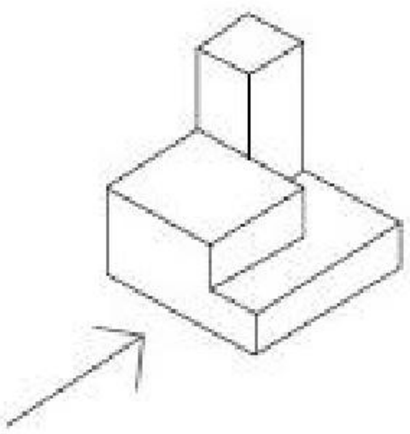
2. 

3. 

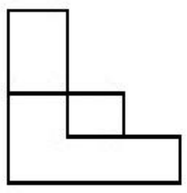
4. 

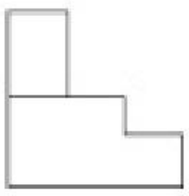
ZOLLEGE.in

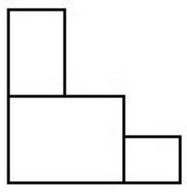
The 3 – D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

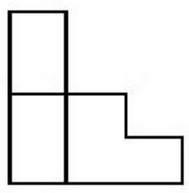


Options :

1. 

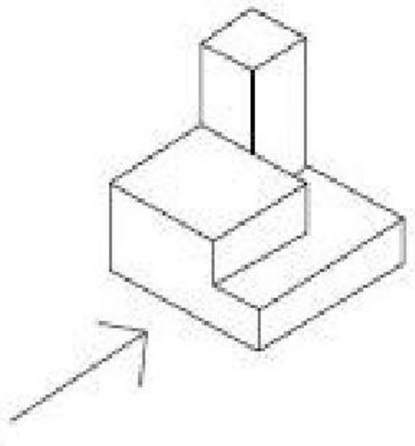
2. 

3. 

4. 

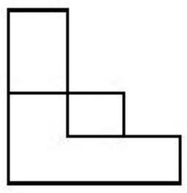
Question Number : 33 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

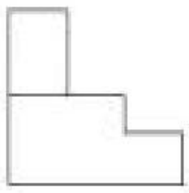
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

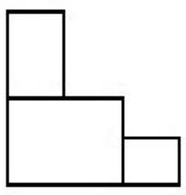


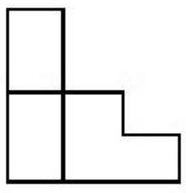
Options :

ZOLLEGE.in

1. 

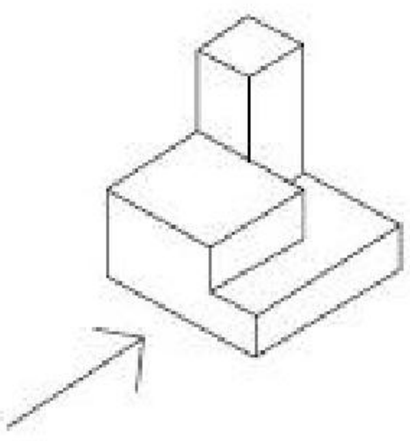
2. 

3. 

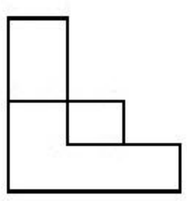
4. 

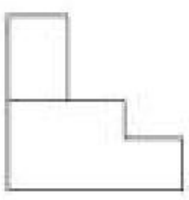
Question Number : 33 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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

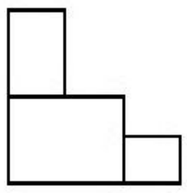


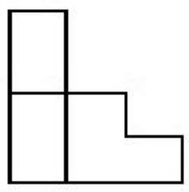
Options :

1. 

2. 

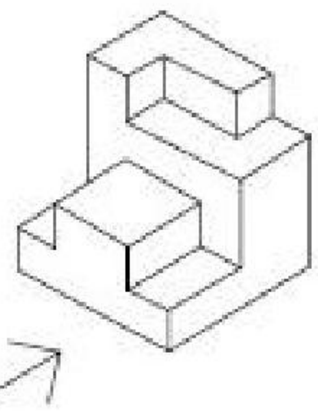
ZOLLEGE.in

3. 

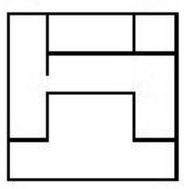
4. 

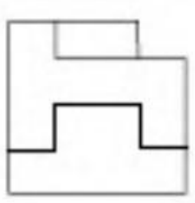
Question Number : 34 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

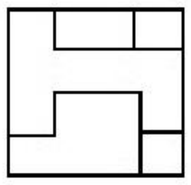
The 3 – D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

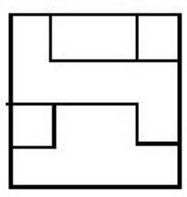


Options :

1. 

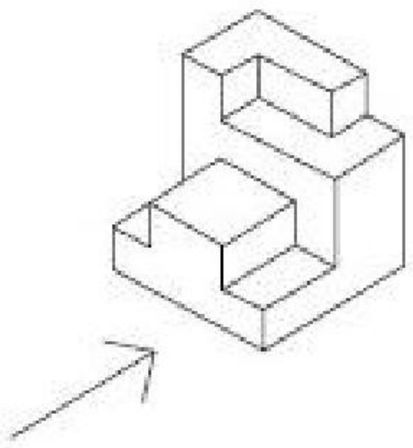
2. 

3. 

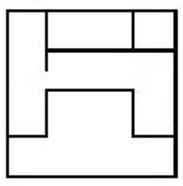
4. 

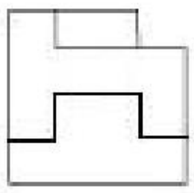
ZOLLEGE.in

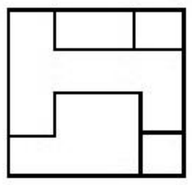
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

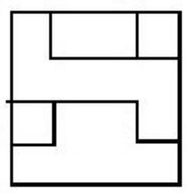


Options :

1. 

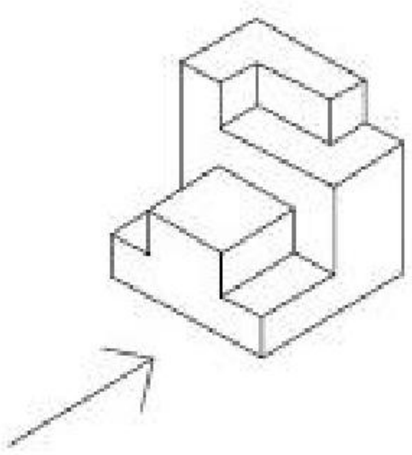
2. 

3. 

4. 

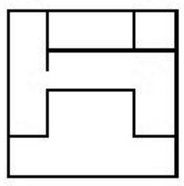
Question Number : 34 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

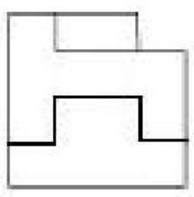
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. તીરની દિશામાં જોતાં આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

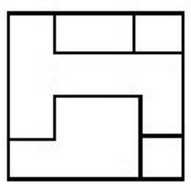


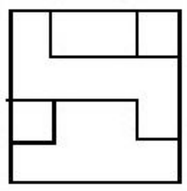
Options :

ZOLLEGE.in

1. 

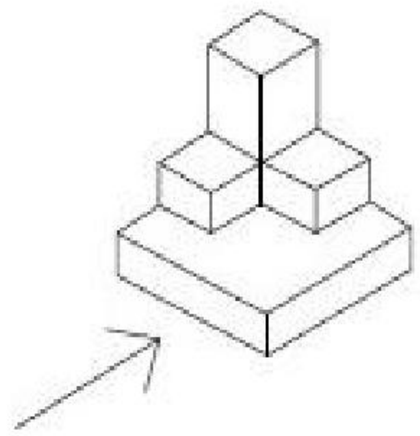
2. 

3. 

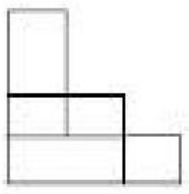
4. 

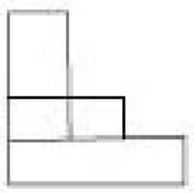
Question Number : 35 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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.

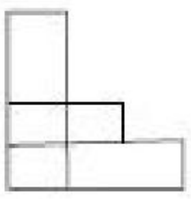


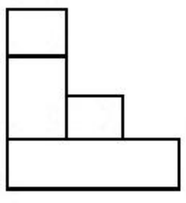
Options :

1. 

2. 

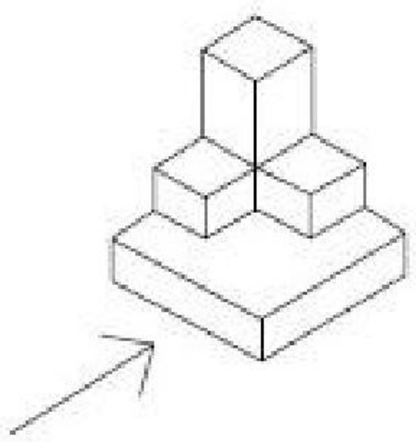
ZOLLEGE.in

3. 

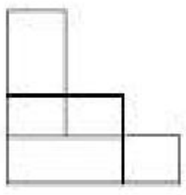
4. 

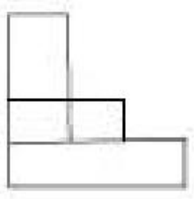
Question Number : 35 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

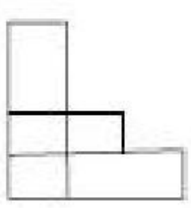
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

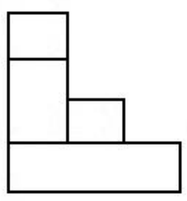


Options :

1. 

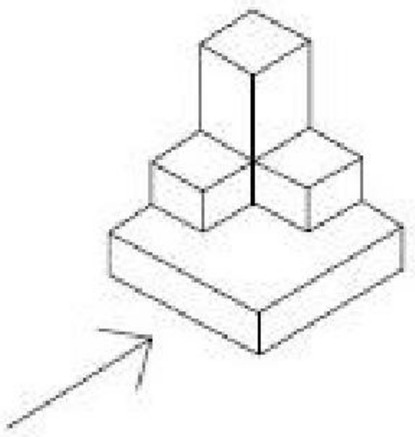
2. 

3. 

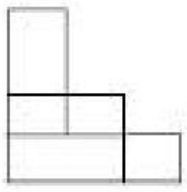
4. 

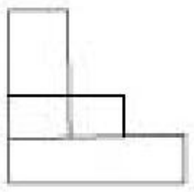
ZOLLEGE.in

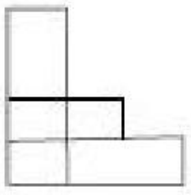
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. તીરની દિશામાં જોતાં આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

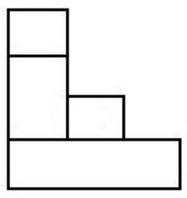


Options :

1. 

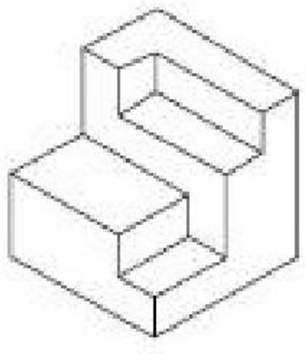
2. 

3. 

4. 

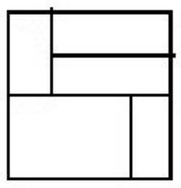
Question Number : 36 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

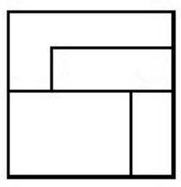
The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

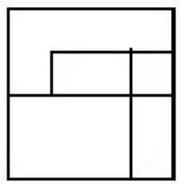


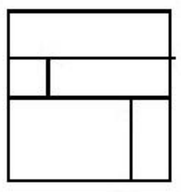
Options :

ZOLLEGE.in

1. 

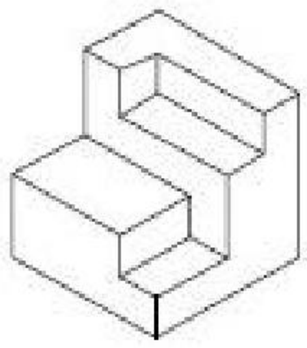
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3. 

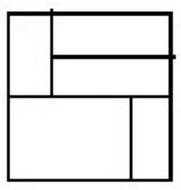
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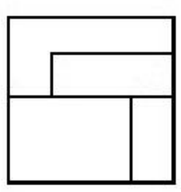
Question Number : 36 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

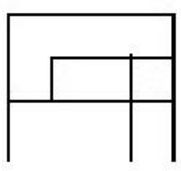
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।



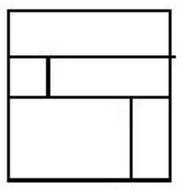
Options :

1. 

2. 

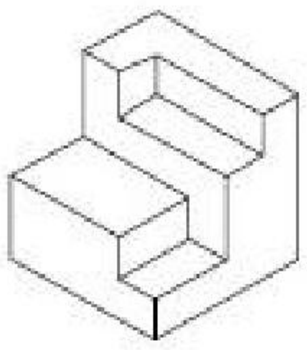
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ZOLLEGE.in

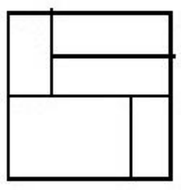
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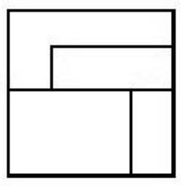
Question Number : 36 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

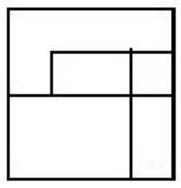
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આનું સાચું ઉપરી દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

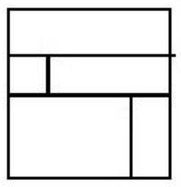


Options :

1. 

2. 

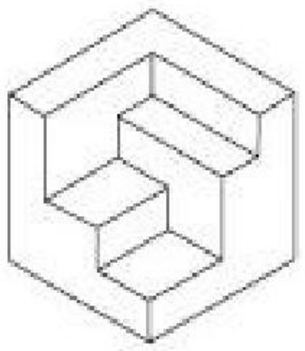
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4. 

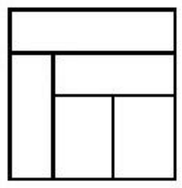
Question Number : 37 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

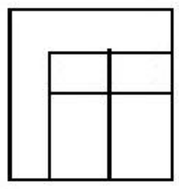
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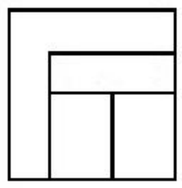
The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

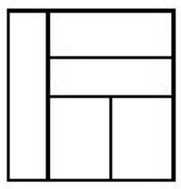


Options :

1. 

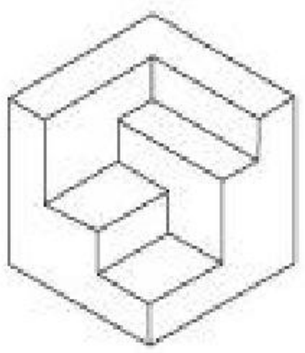
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3. 

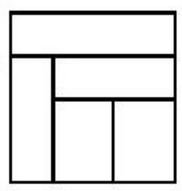
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Question Number : 37 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

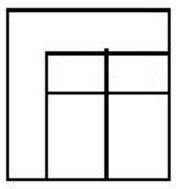
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

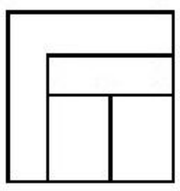


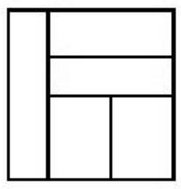
Options :

1. 

ZOLLEGE.in

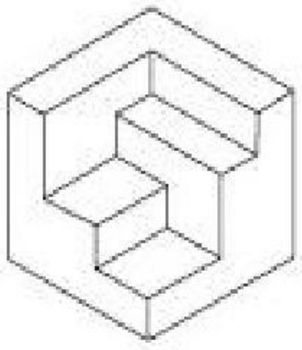
2. 

3. 

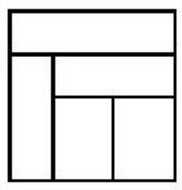
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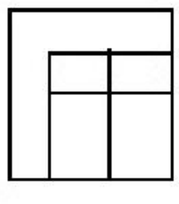
Question Number : 37 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

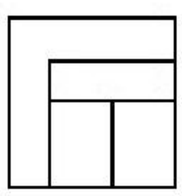
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આનું સાચું ઉપરી દશ્ય જવાબ આકૃતિઓમાંથી શોધો.



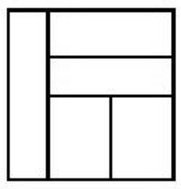
Options :

1. 

2. 

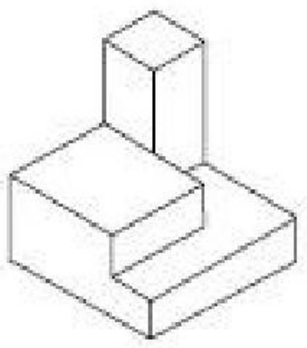
3. 

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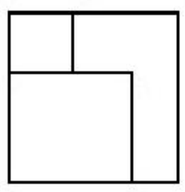
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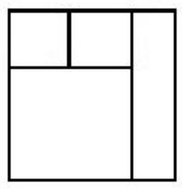
Question Number : 38 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

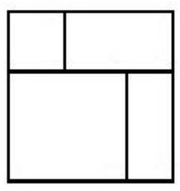
The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

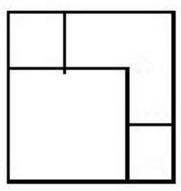


Options :

1. 

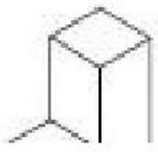
2. 

3. 

4. 

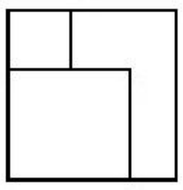
Question Number : 38 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

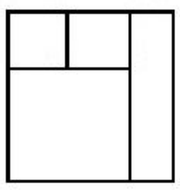
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

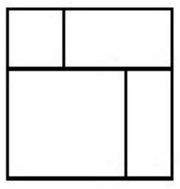


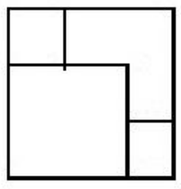
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Options :

1. 

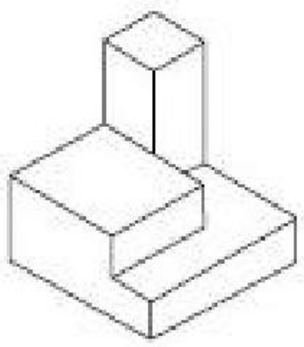
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3. 

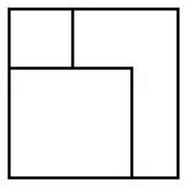
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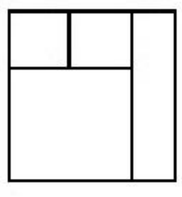
Question Number : 38 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આનું સાચું ઉપરી દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

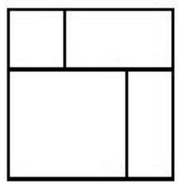


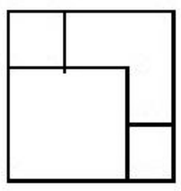
Options :

1. 

2. 

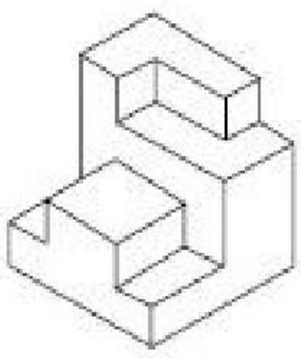
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3. 

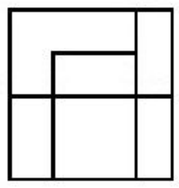
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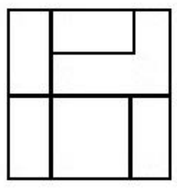
Question Number : 39 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

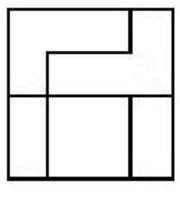
The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

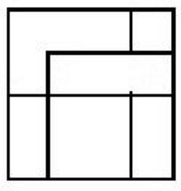


Options :

1. 

2. 

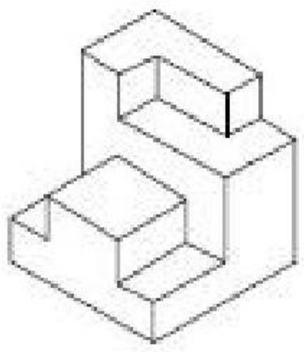
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4. 

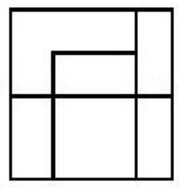
Question Number : 39 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

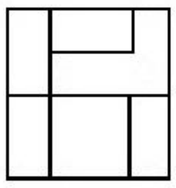
ZOLLEGE.in

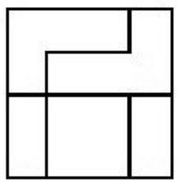
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

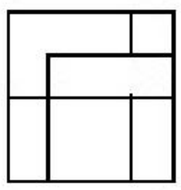


Options :

1. 

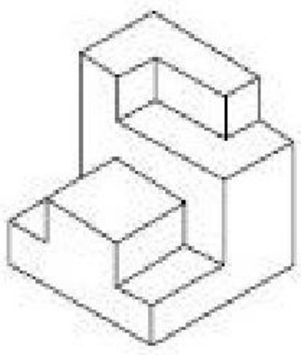
2. 

3. 

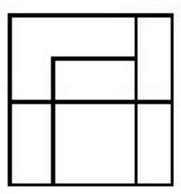
4. 

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

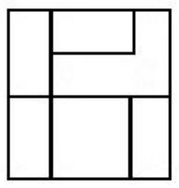
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આનું સાચું ઉપરી દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

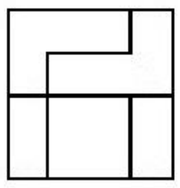


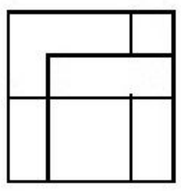
Options :

1. 

ZOLLEGE.in

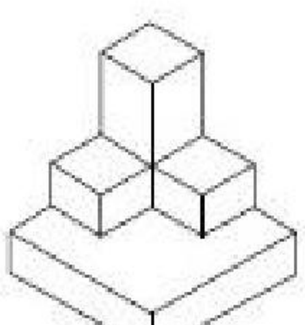
2. 

3. 

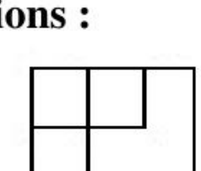
4. 

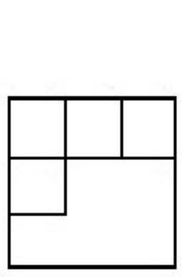
Question Number : 40 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

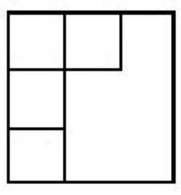
The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

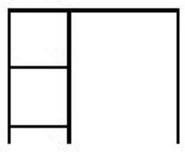


Options :

1. 

2. 

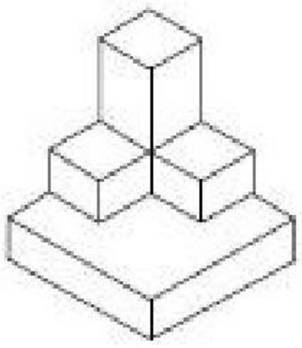
3. 

4. 

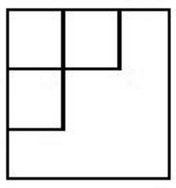
ZOLLEGE.in

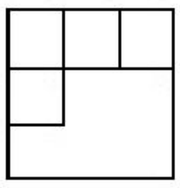
Question Number : 40 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

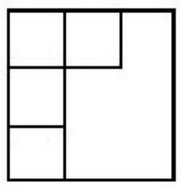
3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

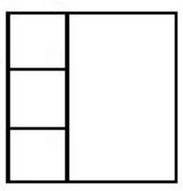


Options :

1. 

2. 

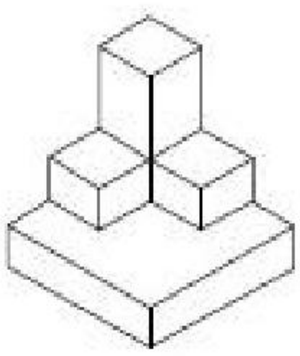
3. 

4. 

ZOLLEGE.in

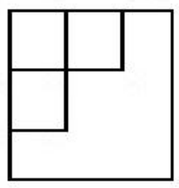
Question Number : 40 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

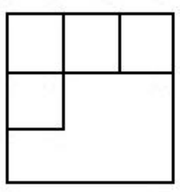
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આનું સાચું ઉપરી દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

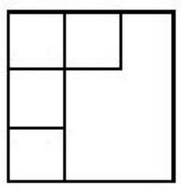


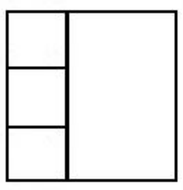
Options :

ZOLLEGE.in

1. 

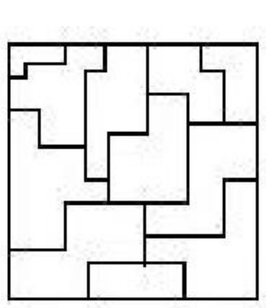
2. 

3. 

4. 

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

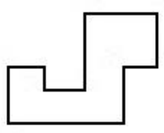
One of the following answer figures is hidden in the problem figure in the same size and direction. Select the correct one.



Options :

1. 

2. 

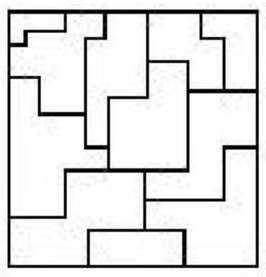
3. 

ZOLLEGE.in

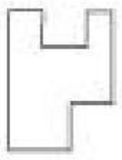
4. 

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

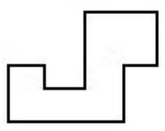
नीचे दी गयी उत्तर आकृतियों में से एक आकृति माप और दिशा में समान रूप से प्रश्न आकृति में छुपी है। कौन सी सही है, चुनिए।



Options :

1. 

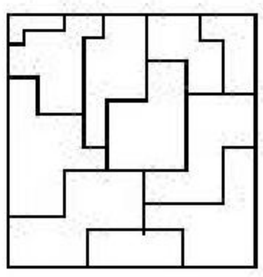
2. 

3. 

4. 

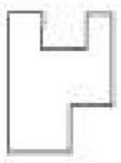
Question Number : 41 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

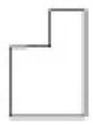
જવાબ આકૃતિઓમાંની એક આકૃતિ કદ અને દિશામાં સમાન રૂપે પ્રશ્ન આકૃતિમાં છૂપાયેલ છે. સાચી આકૃતિ શોધો.

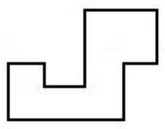


Options :

ZOLLEGE.in

1. 

2. 

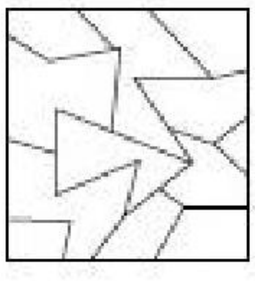
3. 

4. 

Question Number : 42 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 4 Wrong Marks : 1

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



Options :

1. 

2. 

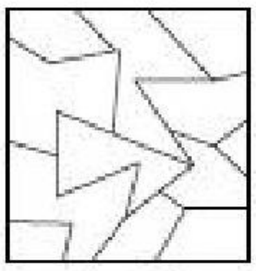
3. 

ZOLLEGE.in

4. 

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

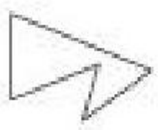
नीचे दी गयी उत्तर आकृतियों में से एक आकृति माप और दिशा में समान रूप से प्रश्न आकृति में छुपी है। कौन सी सही है, चुनिए।



Options :

1. 

2. 

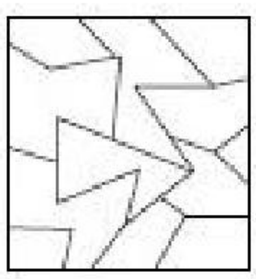
3. 

4. 

ZOLLEGE.in

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

જવાબ આકૃતિઓમાંની એક આકૃતિ કદ અને દિશામાં સમાન રૂપે પ્રશ્ન આકૃતિમાં છૂપાયેલ છે. સાચી આકૃતિ શોધો.



Options :

1. 

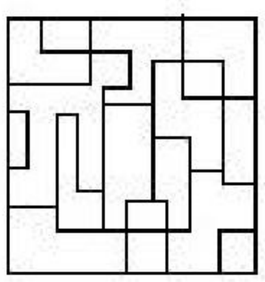
2. 

3. 

4. 

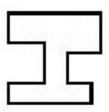
Question Number : 43 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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



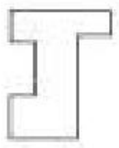
Options :

1. 

2. 

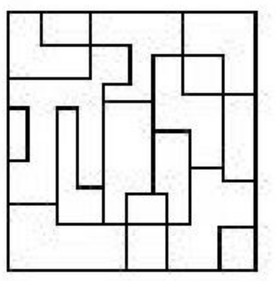
3. 

ZOLLEGE.in

4. 

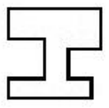
Question Number : 43 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

नीचे दी गयी उत्तर आकृतियों में से एक आकृति माप और दिशा में समान रूप से प्रश्न आकृति में छुपी है। कौन सी सही है, चुनिए।



Options :

1. 

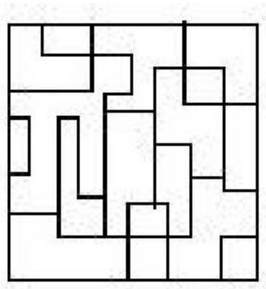
2. 

3. 

4. 

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

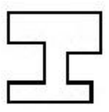
જવાબ આકૃતિઓમાંની એક આકૃતિ કદ અને દિશામાં સમાન રૂપે પ્રશ્ન આકૃતિમાં છૂપાયેલ છે. સાચી આકૃતિ શોધો.



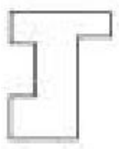
Options :

ZOLLEGE.in

1. 

2. 

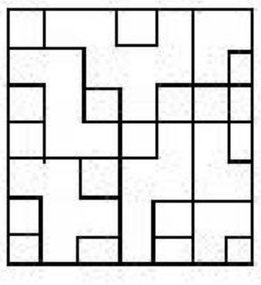
3. 

4. 

Question Number : 44 Question Type : MCQ Option Shuffling : Yes

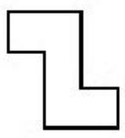
Correct Marks : 4 Wrong Marks : 1

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



Options :

1. 

2. 

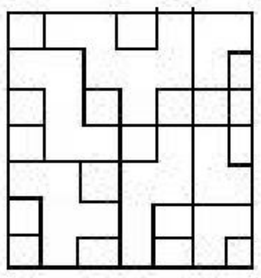
3. 

ZOLLEGE.in

4. 

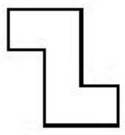
Question Number : 44 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

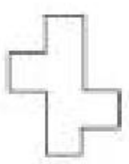
नीचे दी गयी उत्तर आकृतियों में से एक आकृति माप और दिशा में समान रूप से प्रश्न आकृति में छुपी है। कौन सी सही है, चुनिए।



Options :

1. 

2. 

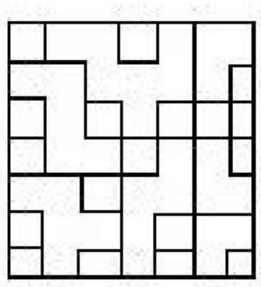
3. 

4. 

ZOLLEGE.in

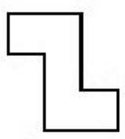
Question Number : 44 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંની એક આકૃતિ કદ અને દિશામાં સમાન રૂપે પ્રશ્ન આકૃતિમાં છૂપાયેલ છે. સાચી આકૃતિ શોધો.



Options :

1. 

2. 

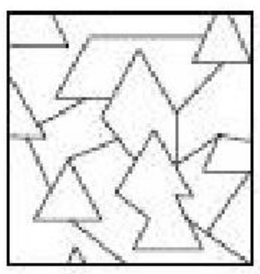
3. 

4. 

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

Correct Marks : 4 Wrong Marks : 1

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



Options :

1. 

2. 

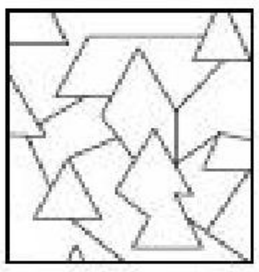
3. 

ZOLLEGE.in

4. 

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

नीचे दी गयी उत्तर आकृतियों में से एक आकृति माप और दिशा में समान रूप से प्रश्न आकृति में छुपी है। कौन सी सही है, चुनिए।



Options :

1. 

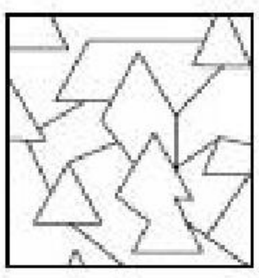
2. 

3. 

4. 

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

જવાબ આકૃતિઓમાંની એક આકૃતિ કદ અને દિશામાં સમાન રૂપે પ્રશ્ન આકૃતિમાં છૂપાયેલ છે. સાચી આકૃતિ શોધો.



Options :

ZOLLEGE.in

1. 

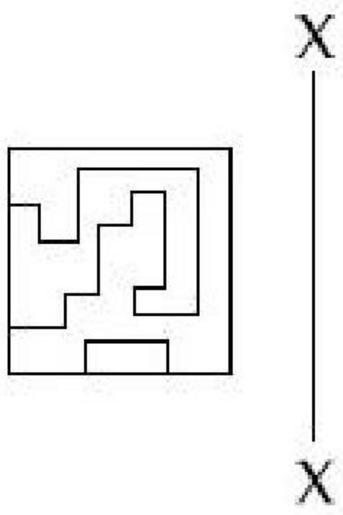
2. 

3. 

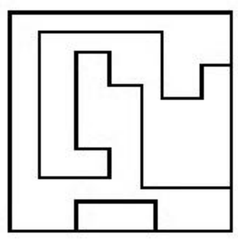
4. 

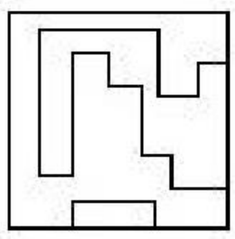
Question Number : 46 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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

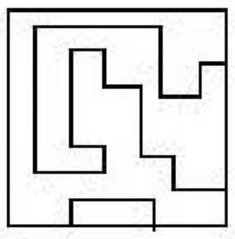


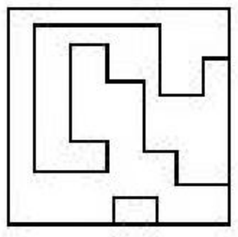
Options :

1. 

2. 

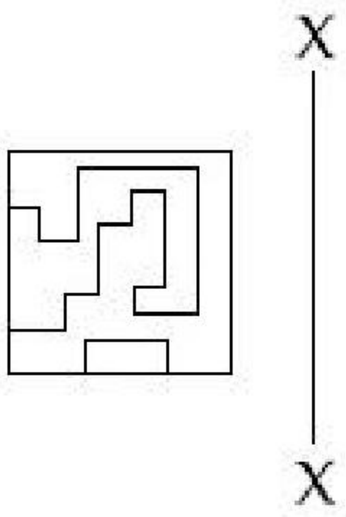
ZOLLEGE.in

3. 

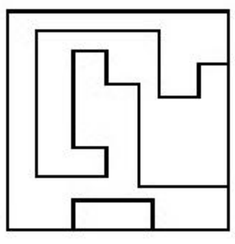
4. 

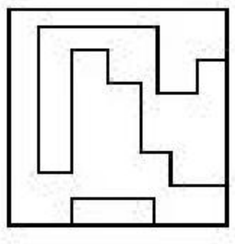
Question Number : 46 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

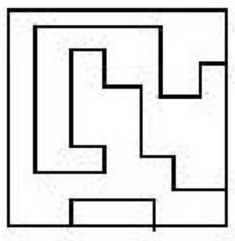
उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X - X से सम्बंधित सही दर्पण प्रतिबिम्ब है?

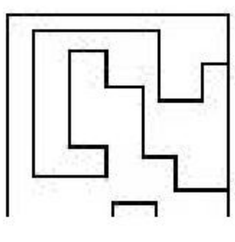


Options :

1. 

2. 

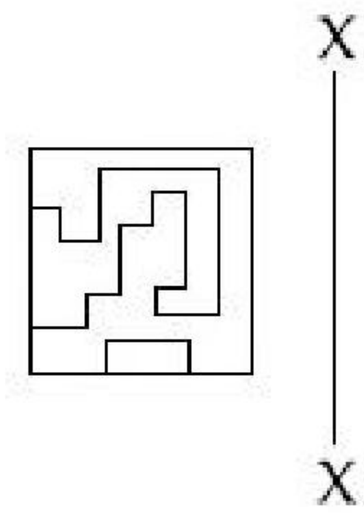
3. 

4 

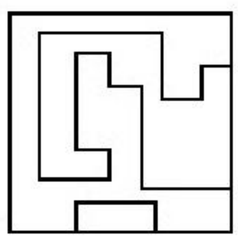
ZOLLEGE.in

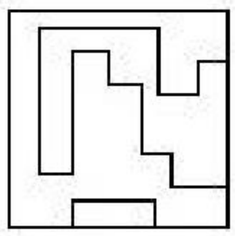
Question Number : 46 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

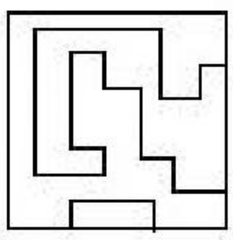
જવાબ આકૃતિઓમાંની કઈ આકૃતિ પ્રશ્ન આકૃતિનું X - X ની સાપેક્ષ દર્પણ પ્રતિબિંબ (mirror image) છે ?

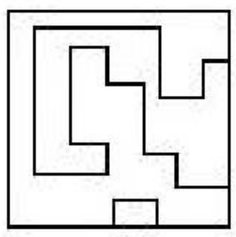


Options :

1. 

2. 

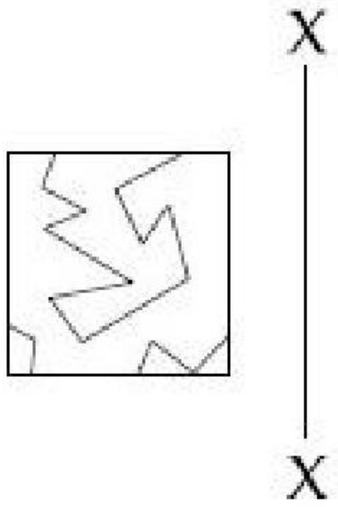
3. 

4. 

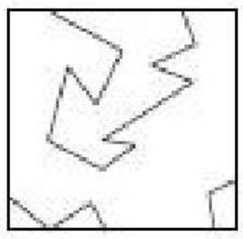
Question Number : 47 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

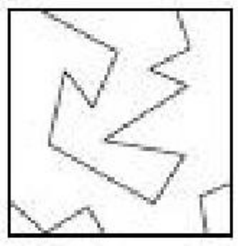
ZOLLEGE.in

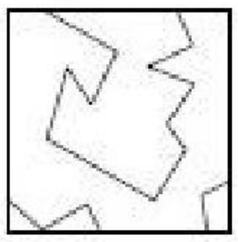
Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X ?

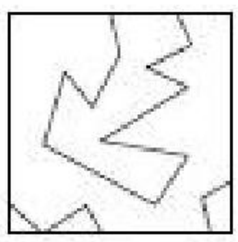


Options :

1. 

2. 

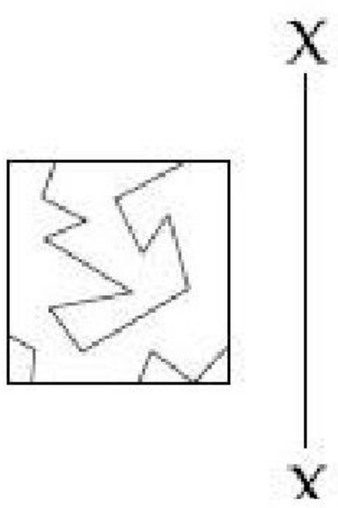
3. 

4. 

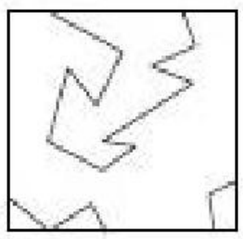
Question Number : 47 Question Type : MCQ Option Shuffling : Yes

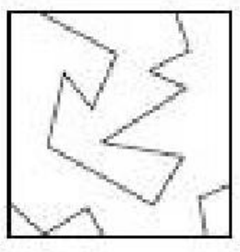
Correct Marks : 4 Wrong Marks : 1

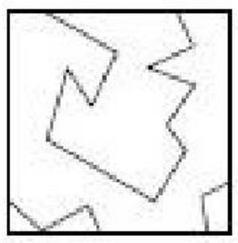
उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X - X से सम्बंधित सही दर्पण प्रतिबिम्ब है?

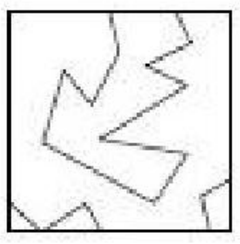


ZOLLEGE.in

1. 

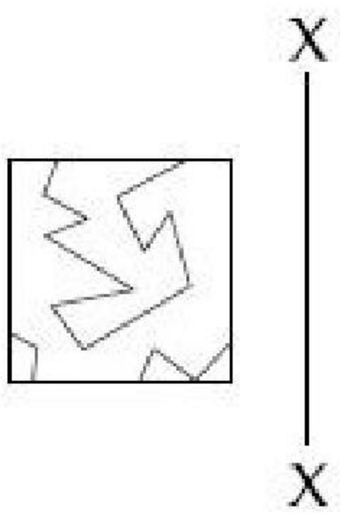
2. 

3. 

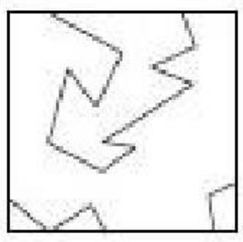
4. 

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

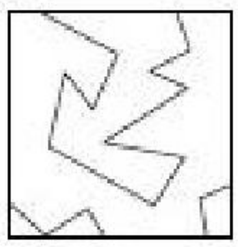
જવાબ આકૃતિઓમાંની કઈ આકૃતિ પ્રશ્ન આકૃતિનું X - X ની સાપેક્ષ દર્પણ પ્રતિબિંબ (mirror image) છે ?

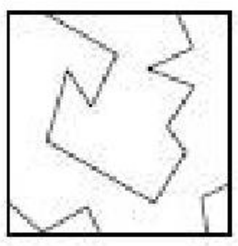


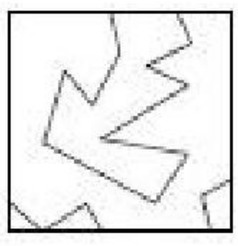
Options :

1. 

ZOLLEGE.in

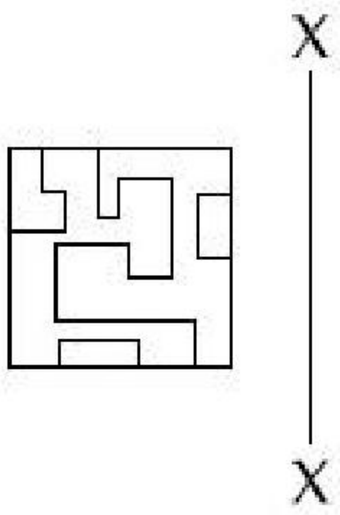
2. 

3. 

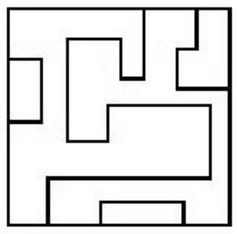
4. 

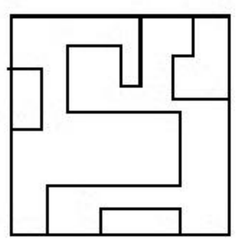
Question Number : 48 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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

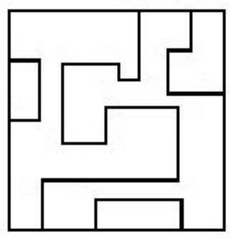


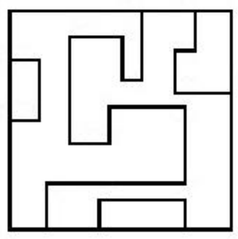
Options :

1. 

2. 

ZOLLEGE.in

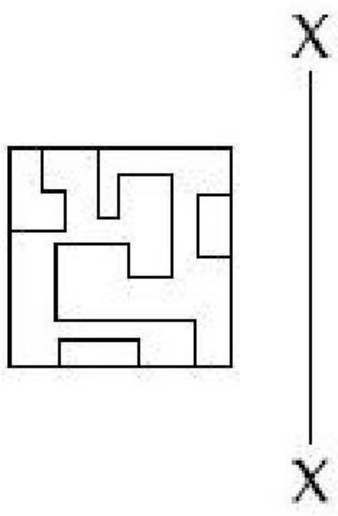
3. 

4. 

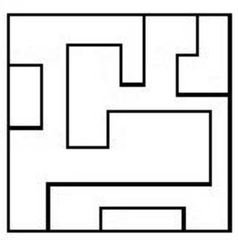
Question Number : 48 Question Type : MCQ Option Shuffling : Yes

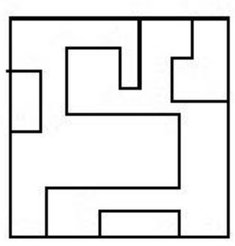
Correct Marks : 4 Wrong Marks : 1

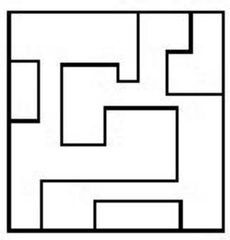
उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X - X से सम्बंधित सही दर्पण प्रतिबिम्ब है?



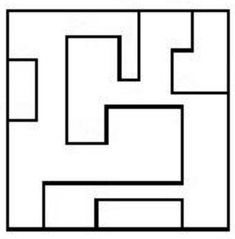
Options :

1. 

2. 

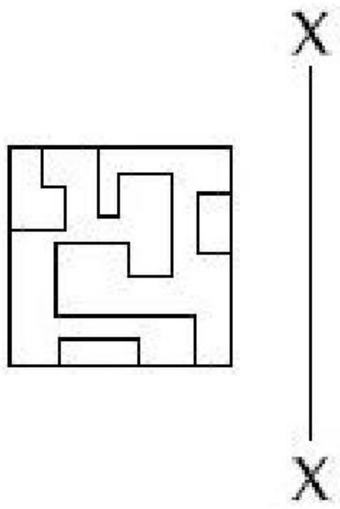
3. 

ZOLLEGE.in

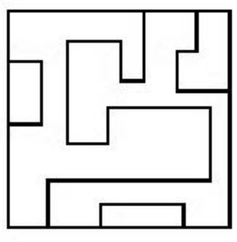
4. 

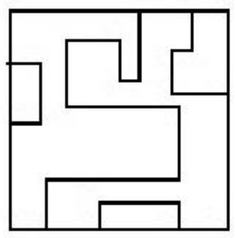
Question Number : 48 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

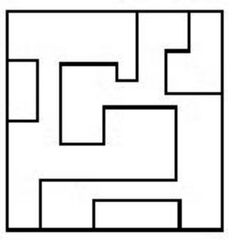
જવાબ આકૃતિઓમાંની કઈ આકૃતિ પ્રશ્ન આકૃતિનું X - X ની સાપેક્ષ દર્પણ પ્રતિબિંબ (mirror image) છે ?

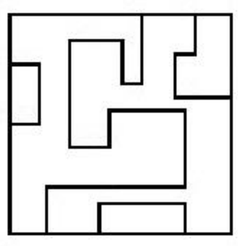


Options :

1. 

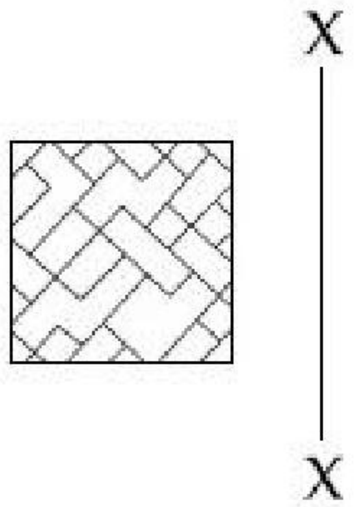
2. 

3. 

4. 

ZOLLEGE.in

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



Options :

1. 

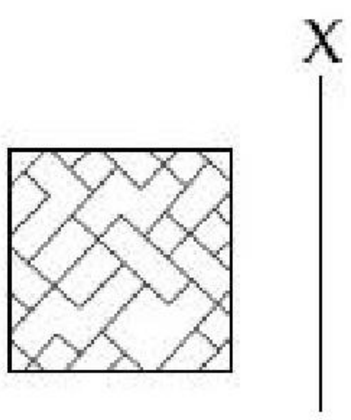
2. 

3. 

4. 

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

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



ZOLLEGE.in

1. 

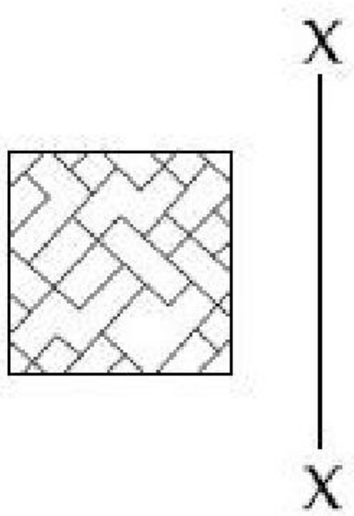
2. 

3. 

4. 

Question Number : 49 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. 

ZOLLEGE.in

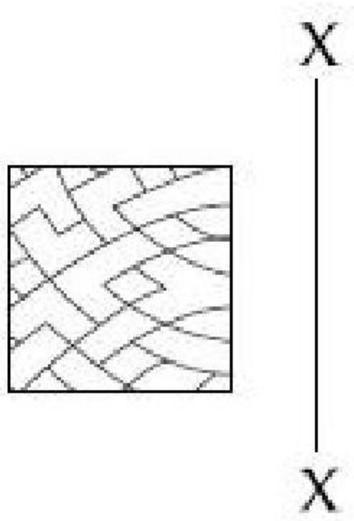
2. 

3. 

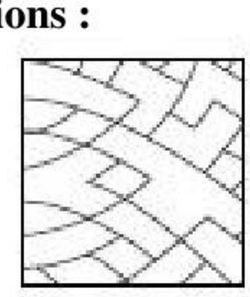
4. 

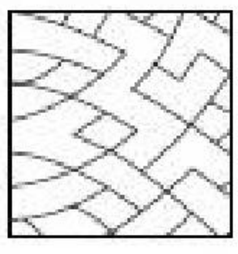
Question Number : 50 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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

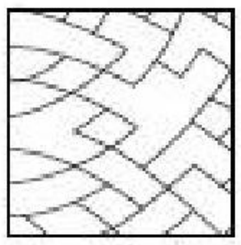


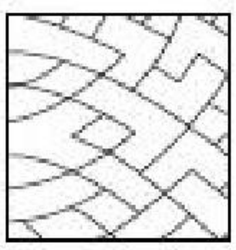
Options :

1. 

2. 

ZOLLEGE.in

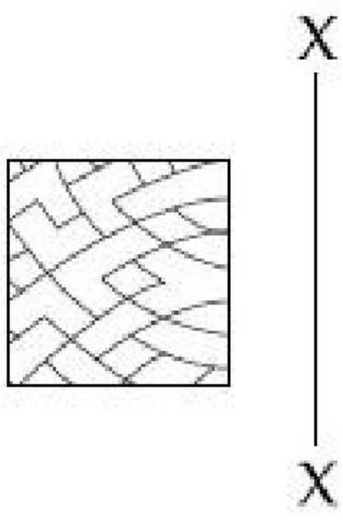
3. 

4. 

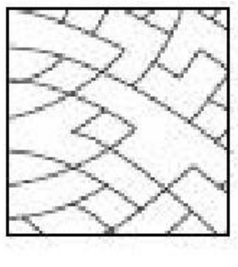
Question Number : 50 Question Type : MCQ Option Shuffling : Yes

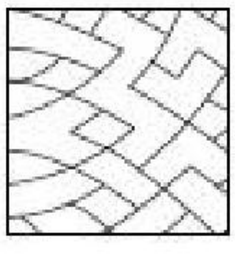
Correct Marks : 4 Wrong Marks : 1

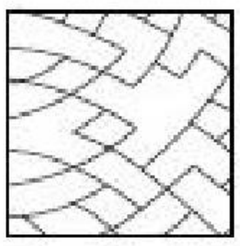
उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X - X से सम्बंधित सही दर्पण प्रतिबिम्ब है?



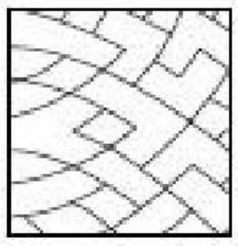
Options :

1. 

2. 

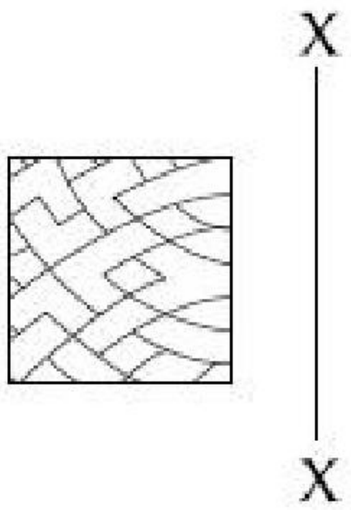
3. 

ZOLLEGE.in

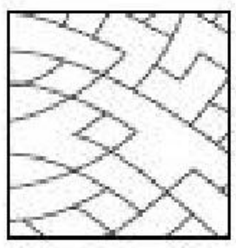
4. 

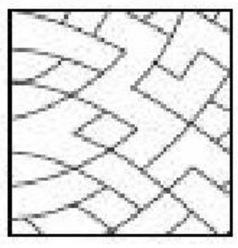
Question Number : 50 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

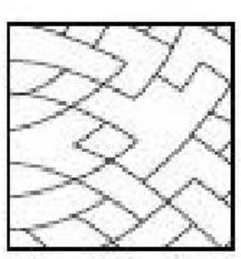
જવાબ આકૃતિઓમાંની કઈ આકૃતિ પ્રશ્ન આકૃતિનું X - X ની સાપેક્ષ દર્પણ પ્રતિબિંબ (mirror image) છે ?

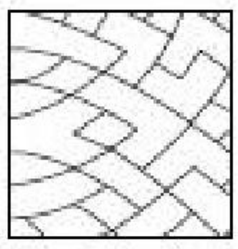


Options :

1. 

2. 

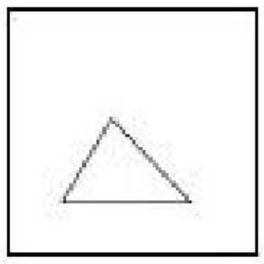
3. 

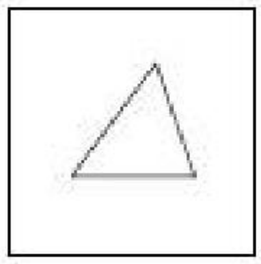
4. 

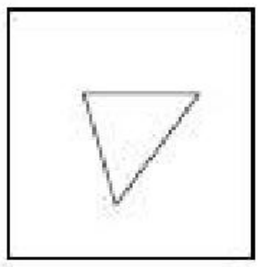
ZOLLEGE.in

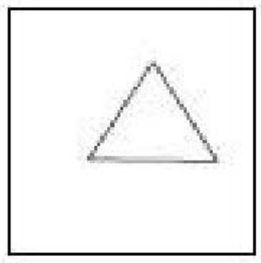
Find the odd figure out of the problem figures given below.

Options :

1. 

2. 

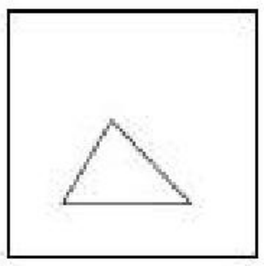
3. 

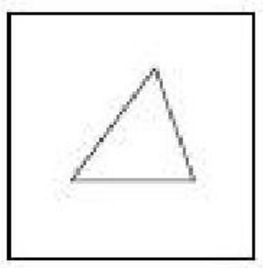
4. 

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

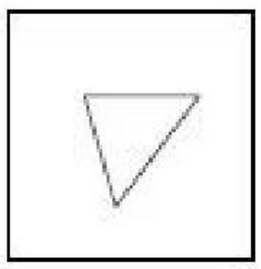
नीचे दी गयी आकृतियों में से विषम आकृति पहचानिये।

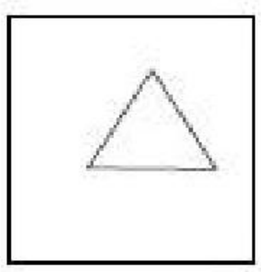
Options :

1. 

2. 

ZOLLEGE.in

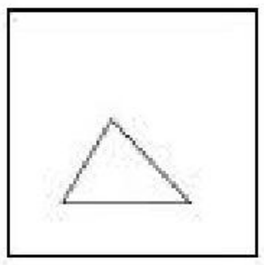
3. 

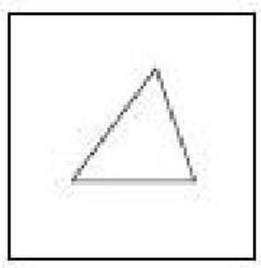
4. 

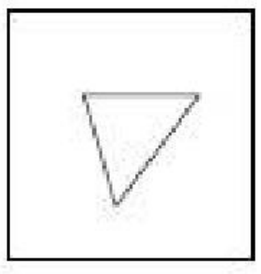
Question Number : 51 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

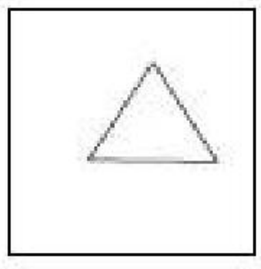
આપેલ પ્રશ્ન આકૃતિઓમાંથી વિષમ આકૃતિ (odd figure) શોધો.

Options :

1. 

2. 

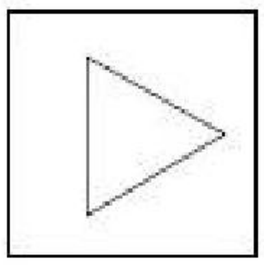
3. 

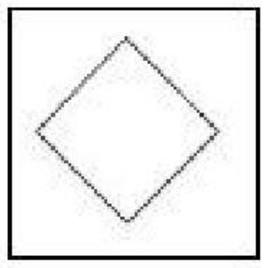
4. 

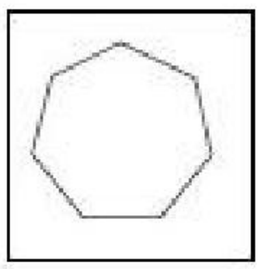
ZOLLEGE.in

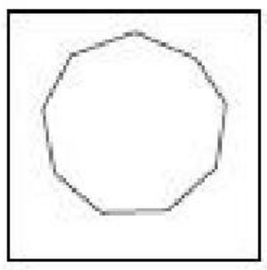
Find the odd figure out of the problem figures given below.

Options :

1. 

2. 

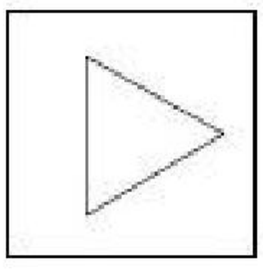
3. 

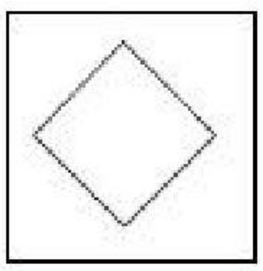
4. 

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

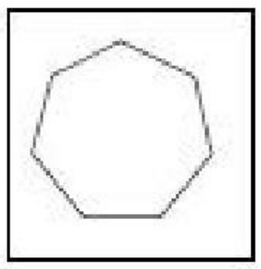
नीचे दी गयी आकृतियों में से विषम आकृति पहचानिये।

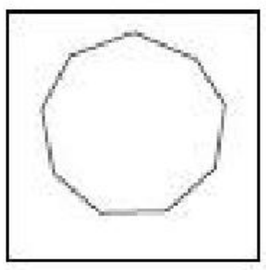
Options :

1. 

2. 

ZOLLEGE.in

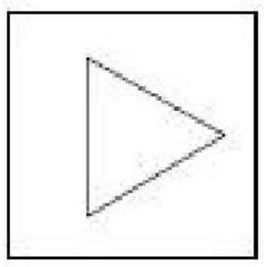
3. 

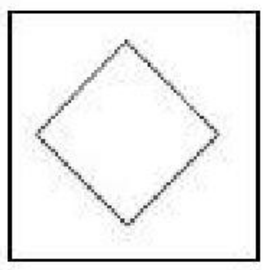
4. 

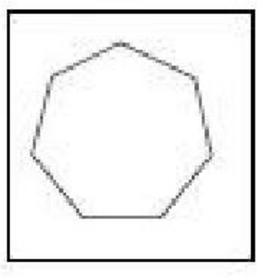
Question Number : 52 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

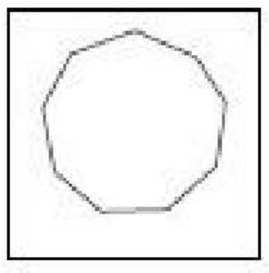
આપેલ પ્રશ્ન આકૃતિઓમાંથી વિષમ આકૃતિ (odd figure) શોધો.

Options :

1. 

2. 

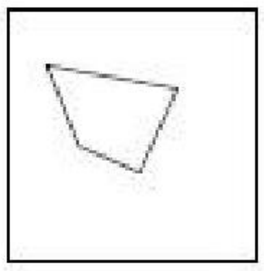
3. 

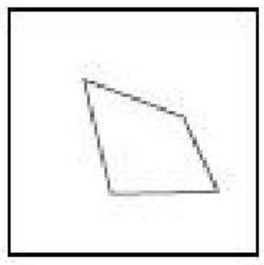
4. 

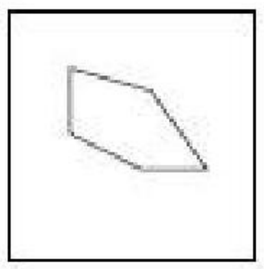
ZOLLEGE.in

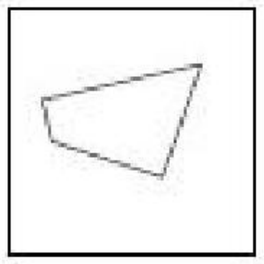
Find the odd figure out of the problem figures given below.

Options :

1. 

2. 

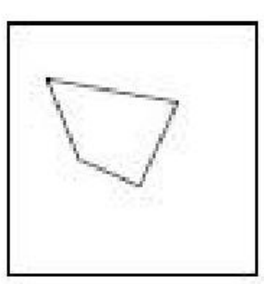
3. 

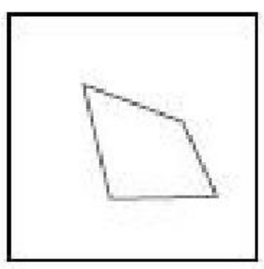
4. 

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

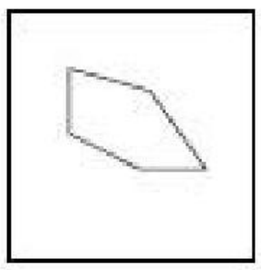
नीचे दी गयी आकृतियों में से विषम आकृति पहचानिये।

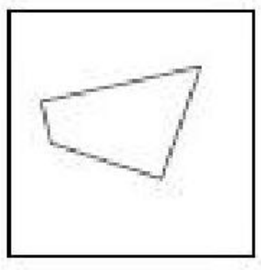
Options :

1. 

2. 

ZOLLEGE.in

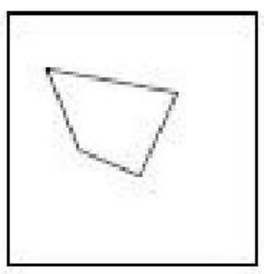
3. 

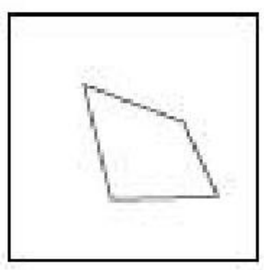
4. 

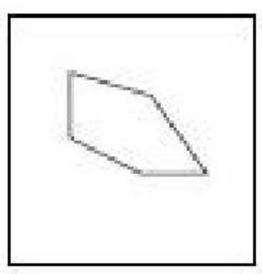
Question Number : 53 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

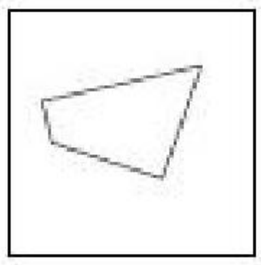
આપેલ પ્રશ્ન આકૃતિઓમાંથી વિષમ આકૃતિ (odd figure) શોધો.

Options :

1. 

2. 

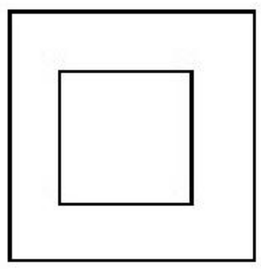
3. 

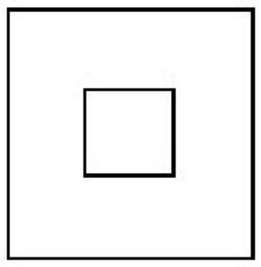
4. 

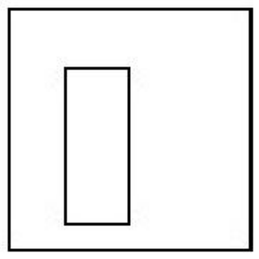
ZOLLEGE.in

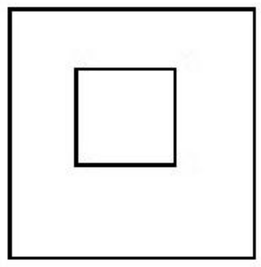
Find the odd figure out of the problem figures given below.

Options :

1. 

2. 

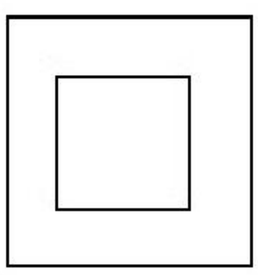
3. 

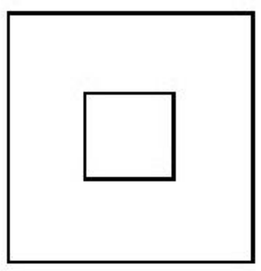
4. 

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

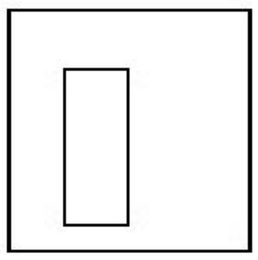
नीचे दी गयी आकृतियों में से विषम आकृति पहचानिये।

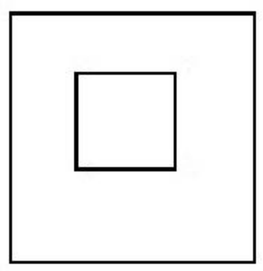
Options :

1. 

2. 

ZOLLEGE.in

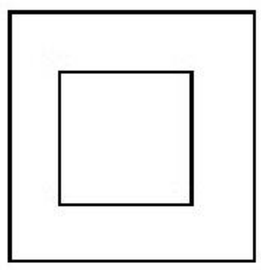
3. 

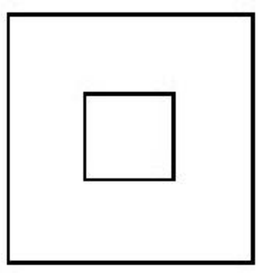
4. 

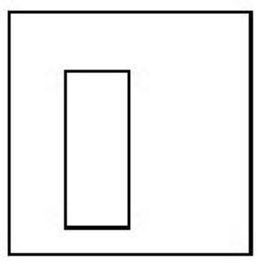
Question Number : 54 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

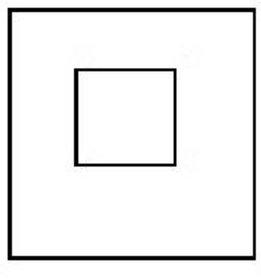
આપેલ પ્રશ્ન આકૃતિઓમાંથી વિષમ આકૃતિ (odd figure) શોધો.

Options :

1. 

2. 

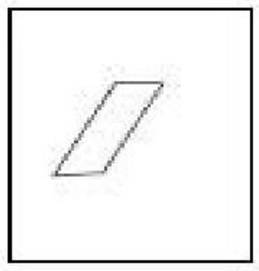
3. 

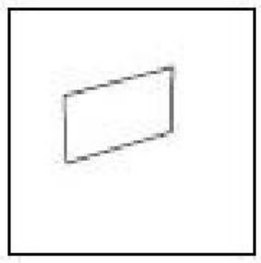
4. 

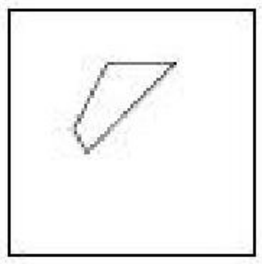
ZOLLEGE.in

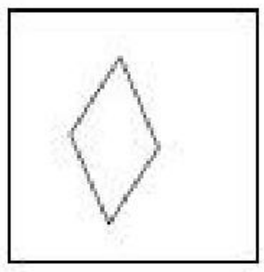
Find the odd figure out of the problem figures given below.

Options :

1. 

2. 

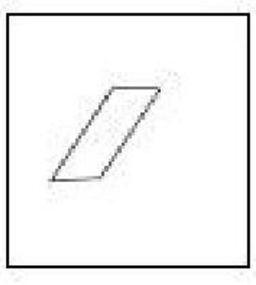
3. 

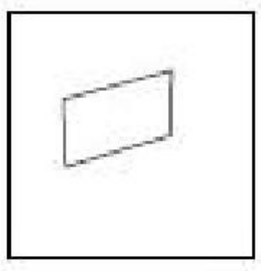
4. 

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

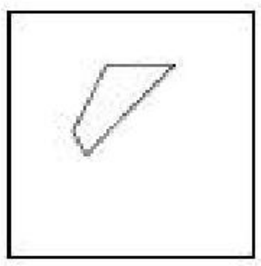
नीचे दी गयी आकृतियों में से विषम आकृति पहचानिये।

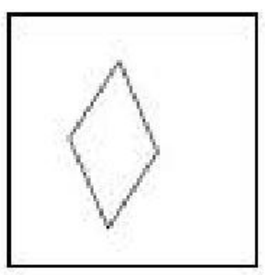
Options :

1. 

2. 

ZOLLEGE.in

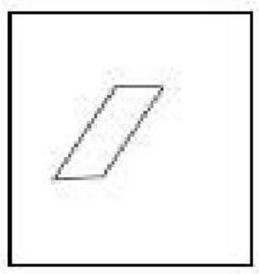
3. 

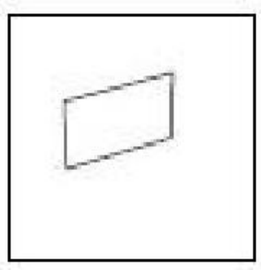
4. 

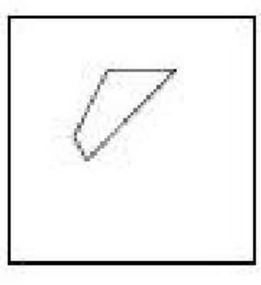
Question Number : 55 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

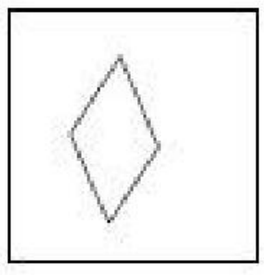
આપેલ પ્રશ્ન આકૃતિઓમાંથી વિષમ આકૃતિ (odd figure) શોધો.

Options :

1. 

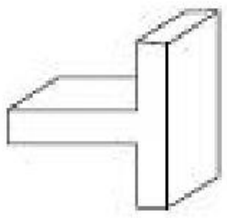
2. 

3. 

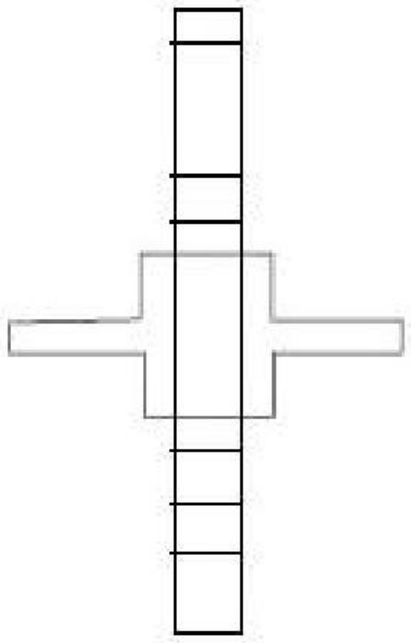
4. 

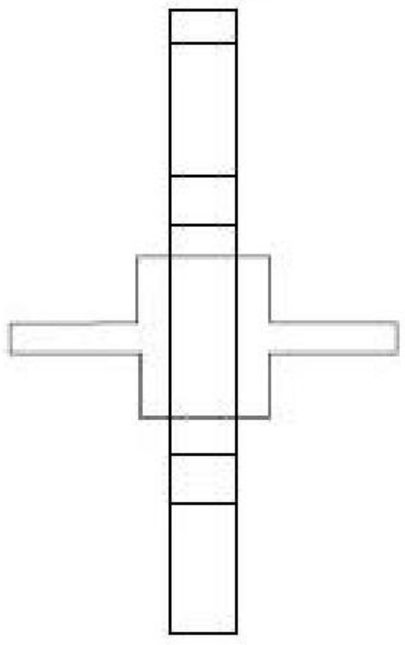
ZOLLEGE.in

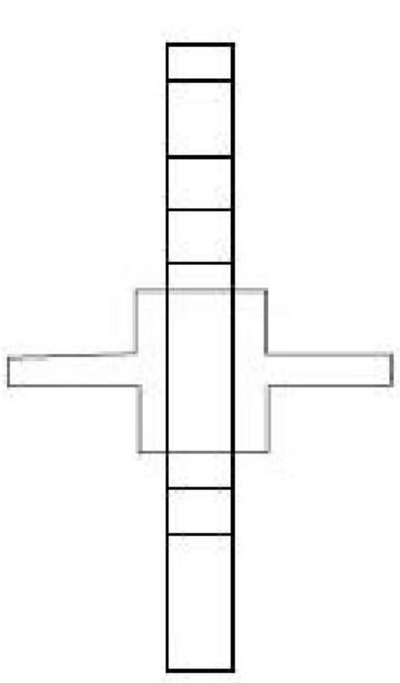
The 3 – D figure shows the view of an object. Identify the correct view when the figure is opened up, from amongst the answer figures.



Options :

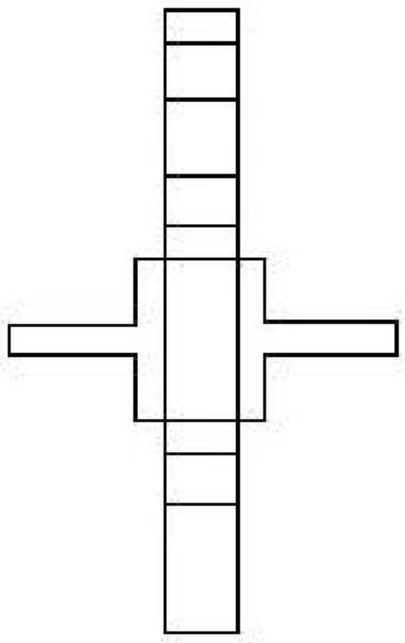
1. 

2. 

3. 

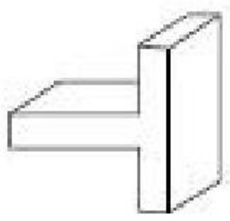
ZOLLEGE.in

4.



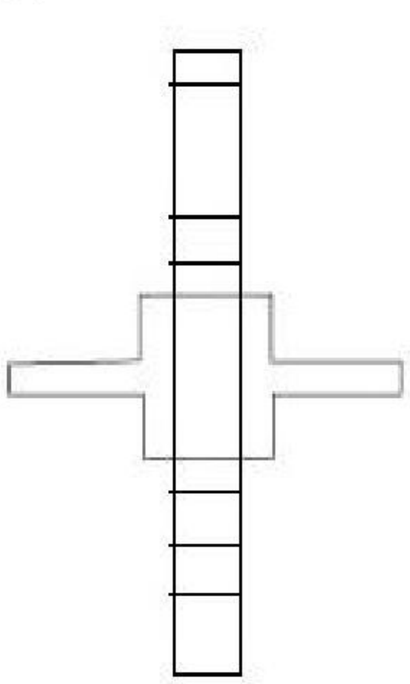
Question Number : 56 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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

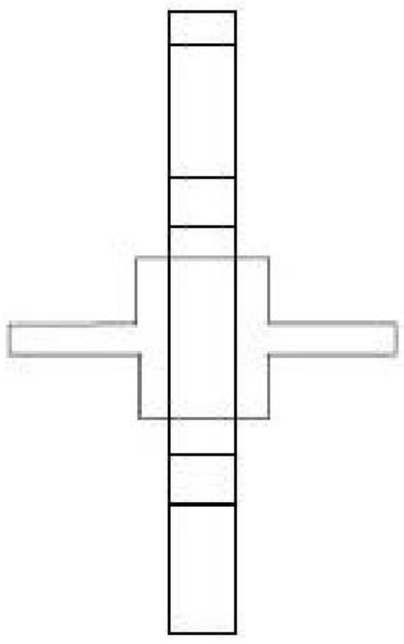


Options :

1.

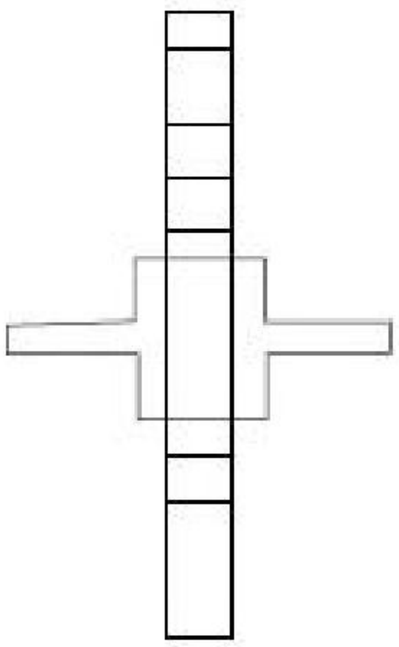


2.

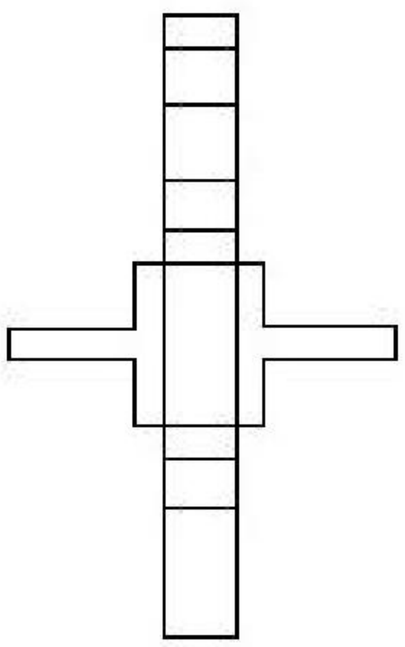


ZOLLEGE.in

3.

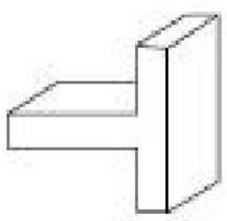


4.



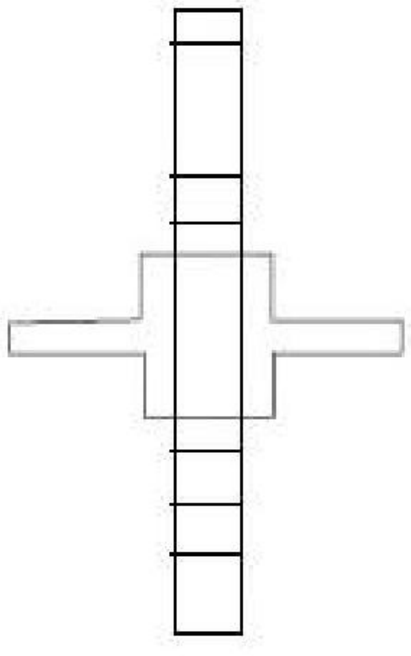
Question Number : 56 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આ આકૃતિને ખોલી નાખવાથી મળતું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.



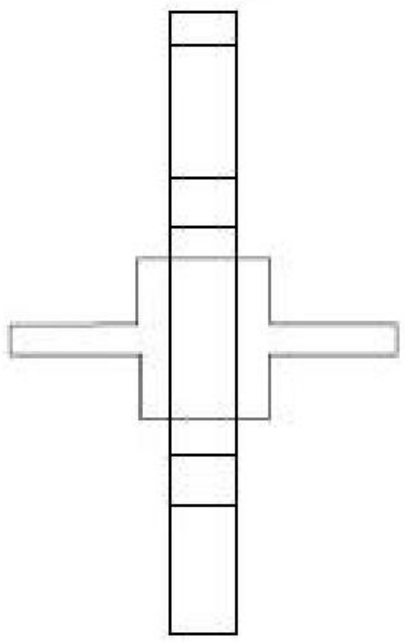
Options :

1.

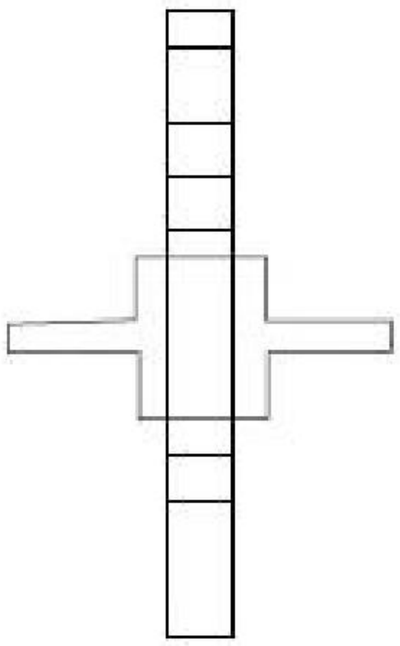


ZOLLEGE.in

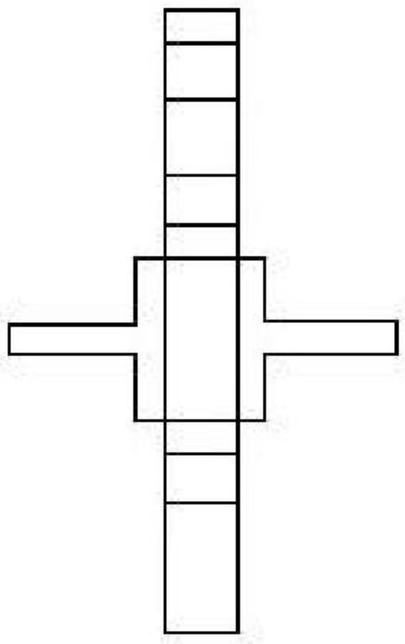
2.



3.

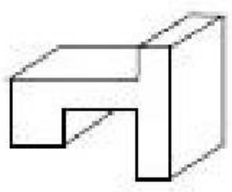


4.



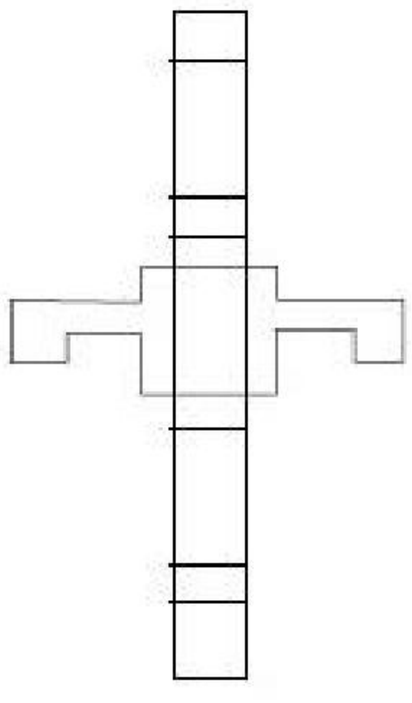
Question Number : 57 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

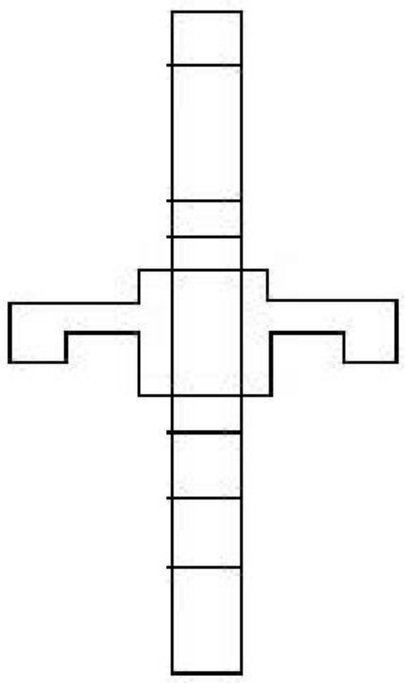
The 3 – D figure shows the view of an object. Identify the correct view when the figure is opened up, from amongst the answer figures.

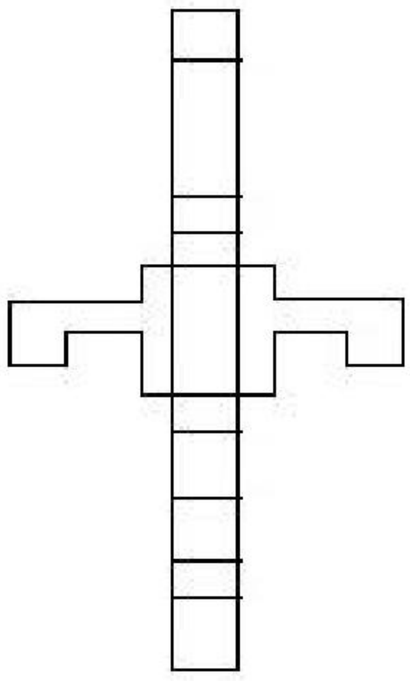


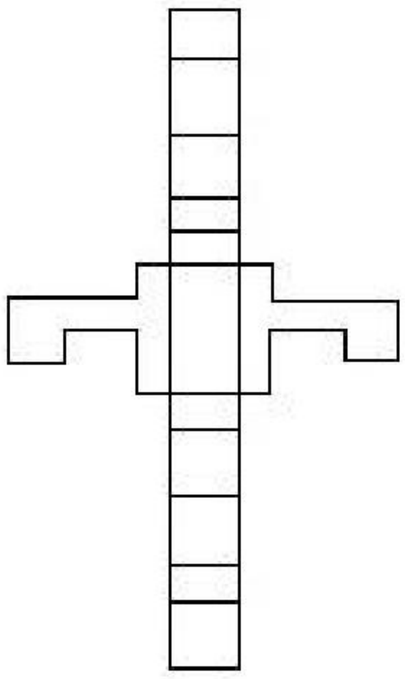
Options :

ZOLLEGE.in

1. 

2. 

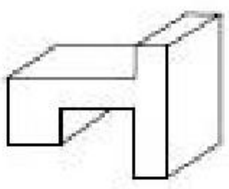
3. 

4. 

ZOLLEGE.in

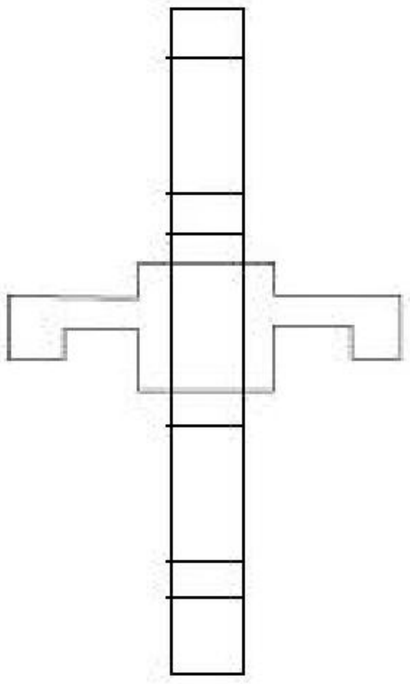
Question Number : 57 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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

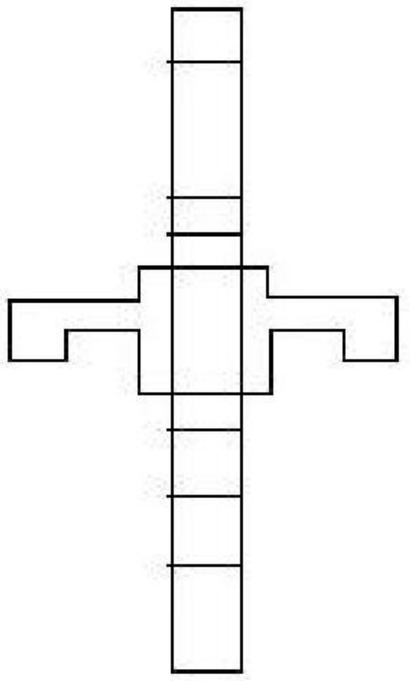


Options :

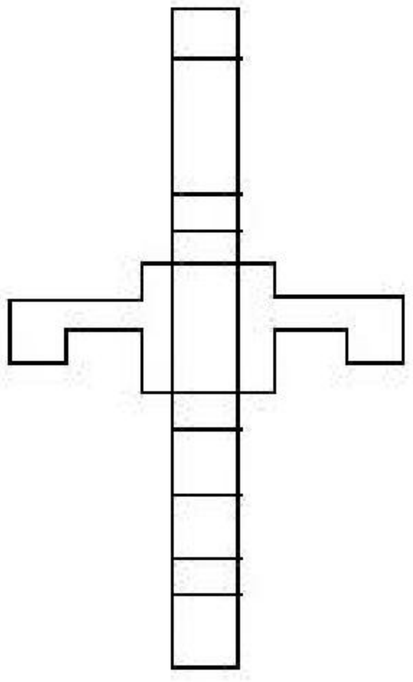
1.



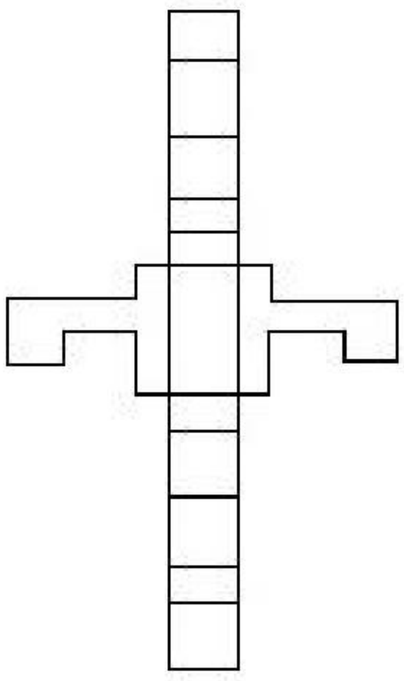
2.



3.

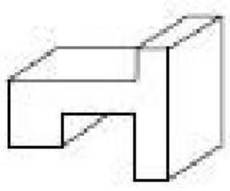


ZOLLEGE.in

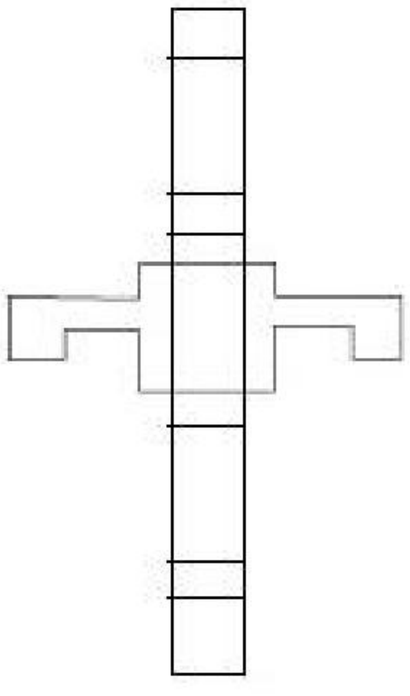
4. 

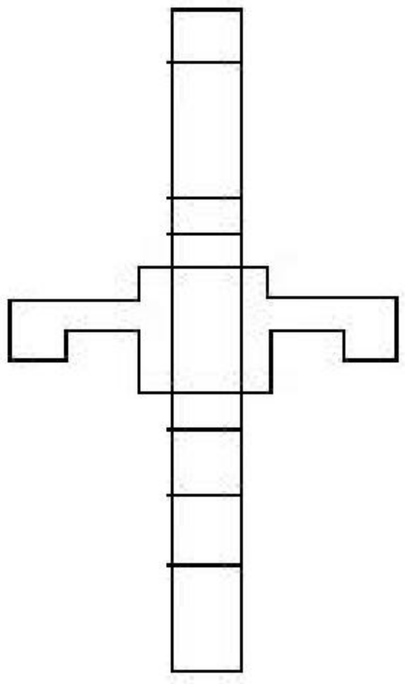
Question Number : 57 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આ આકૃતિને ખોલી નાખવાથી મળતું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.



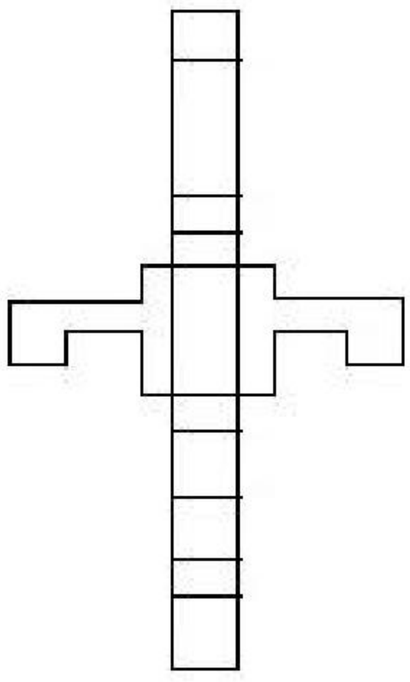
Options :

1. 

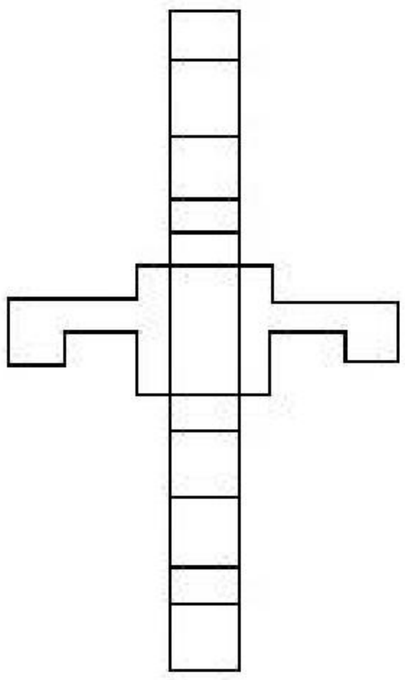
2. 

ZOLLEGE.in

3.



4.

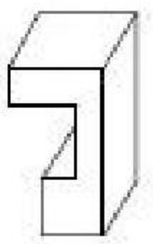


ZOLLEGE.in

Question Number : 58 Question Type : MCQ Option Shuffling : Yes

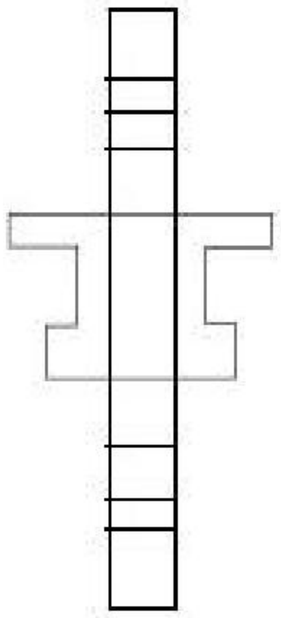
Correct Marks : 4 Wrong Marks : 1

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

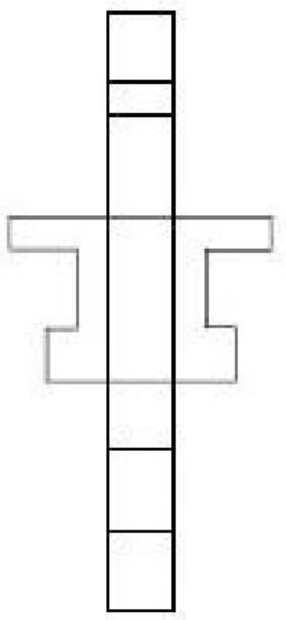


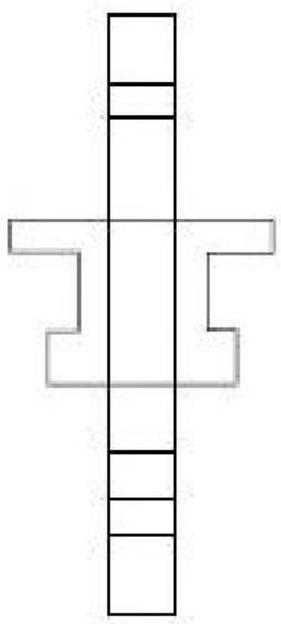
Options :

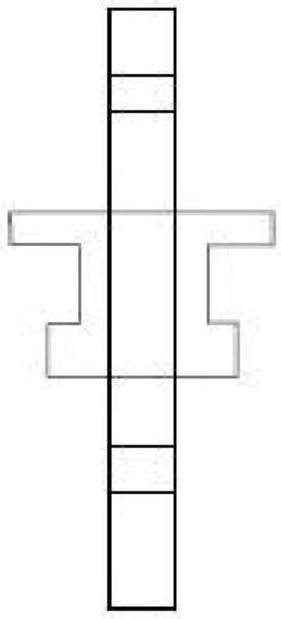
1.



ZOLLEGE.in

2. 

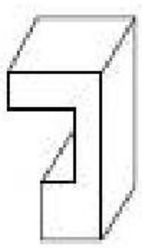
3. 

4. 

Question Number : 58 Question Type : MCQ Option Shuffling : Yes

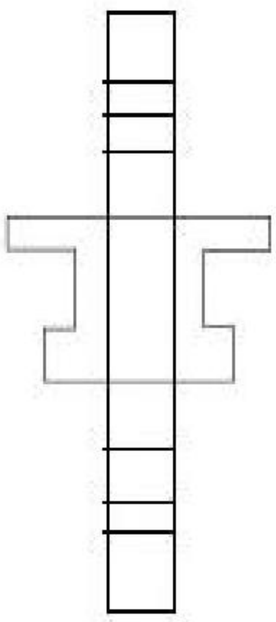
Correct Marks : 4 Wrong Marks : 1

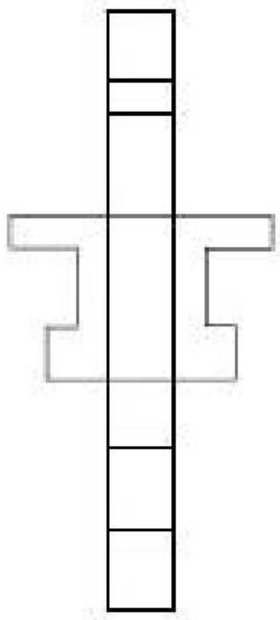
3 – D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। उत्तर दृश्यों में से, प्रश्न वस्तु के खुल जाने का सही दृश्य पहचानिये।

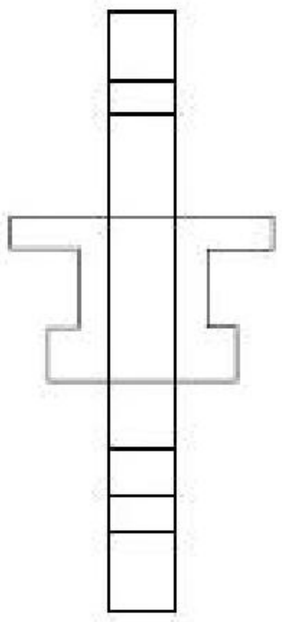


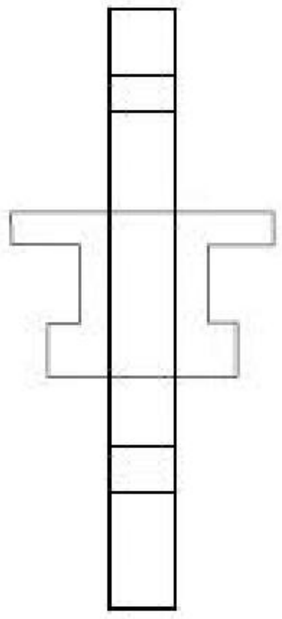
Options :

ZOLLEGE.in

1. 

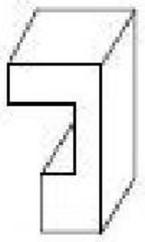
2. 

3. 

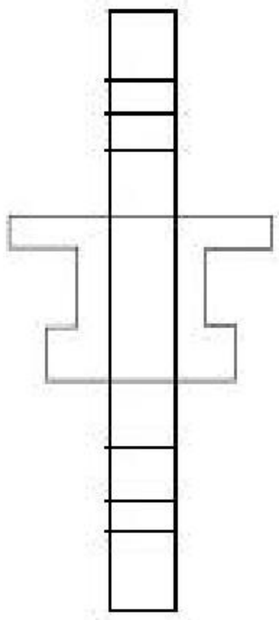
4. 

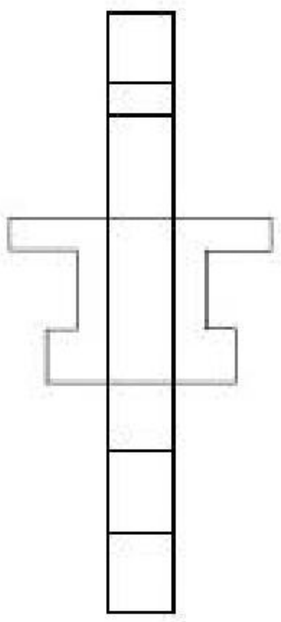
ZOLLEGE.in

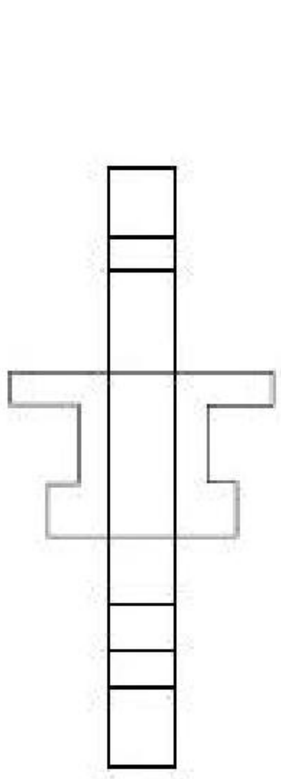
3 – D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આ આકૃતિને ખોલી નાખવાથી મળતું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.



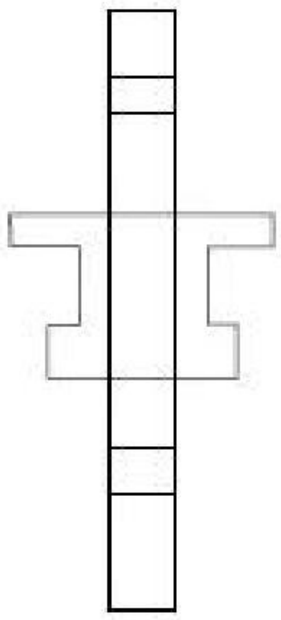
Options :

1. 

2. 

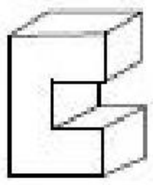
3. 

ZOLLEGE.in

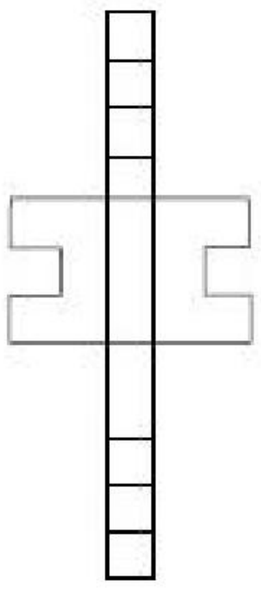
4.


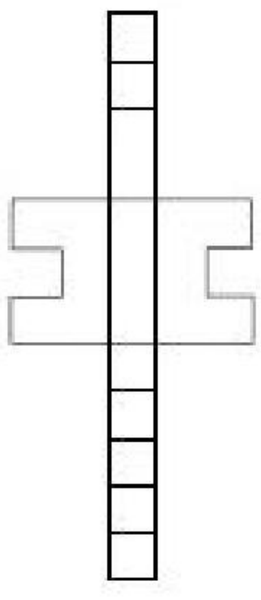
Question Number : 59 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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.



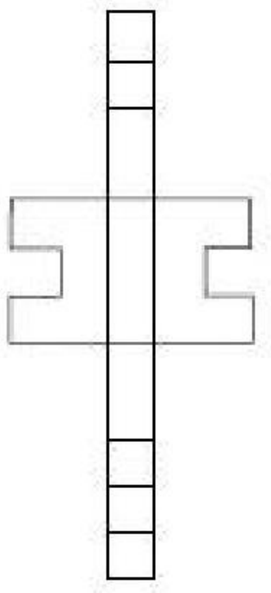
Options :

1.


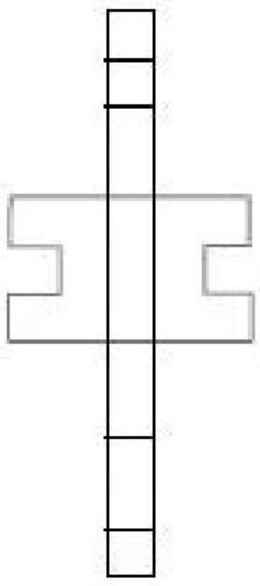
2.


ZOLLEGE.in

3.



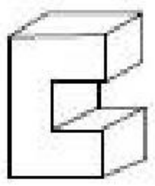
4.



Question Number : 59 Question Type : MCQ Option Shuffling : Yes

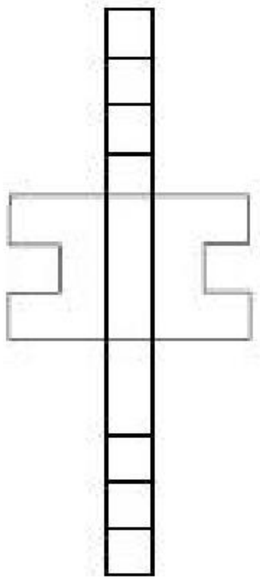
Correct Marks : 4 Wrong Marks : 1

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।

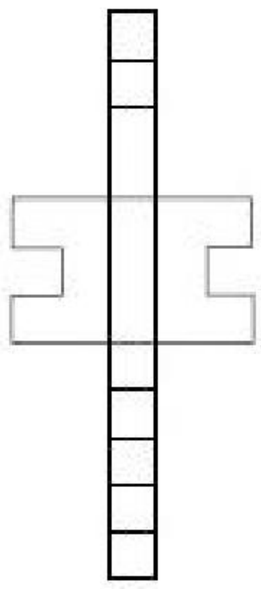


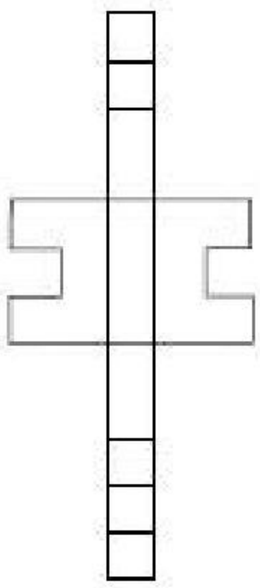
Options :

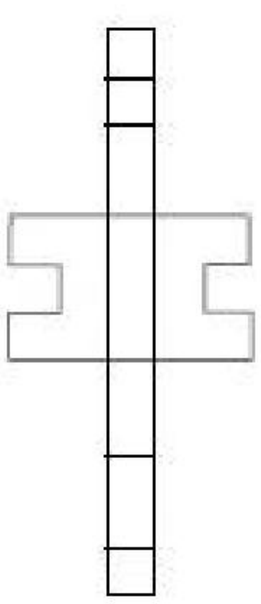
1.



ZOLLEGE.in

2. 

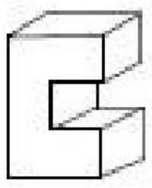
3. 

4. 

Question Number : 59 Question Type : MCQ Option Shuffling : Yes

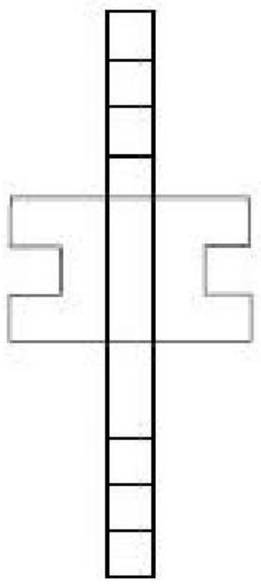
Correct Marks : 4 Wrong Marks : 1

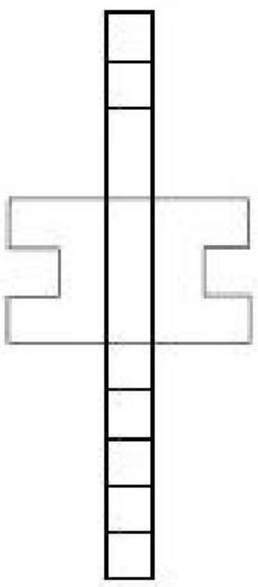
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દશ્ય બતાવે છે. આ આકૃતિને ખોલી નાખવાથી મળંતુ સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

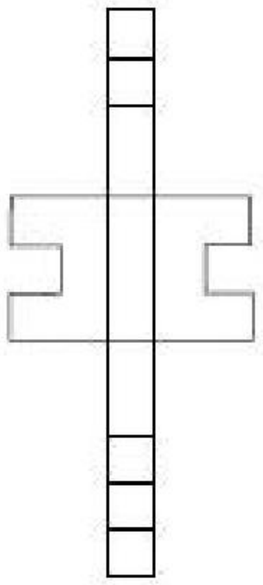


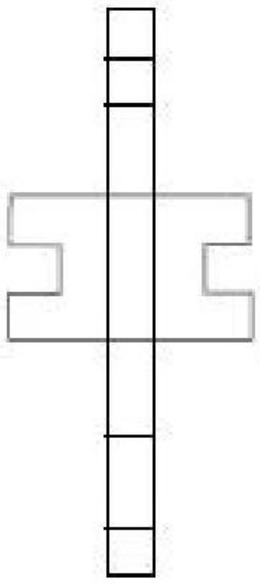
Options :

ZOLLEGE.in

1. 

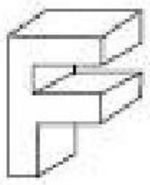
2. 

3. 

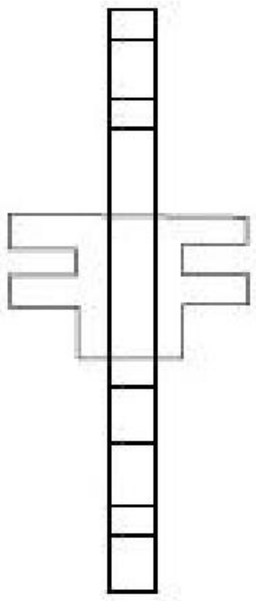
4. 

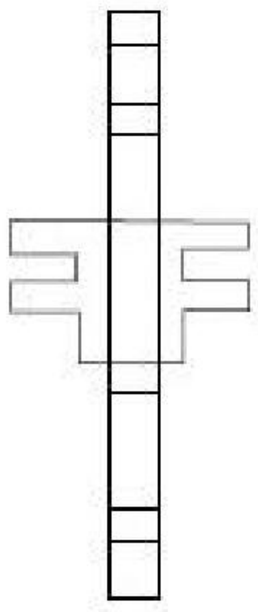
ZOLLEGE.in

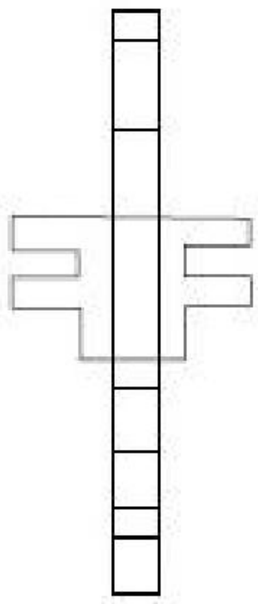
The 3 – D figure shows the view of an object. Identify the correct view when the figure is opened up, from amongst the answer figures.



Options :

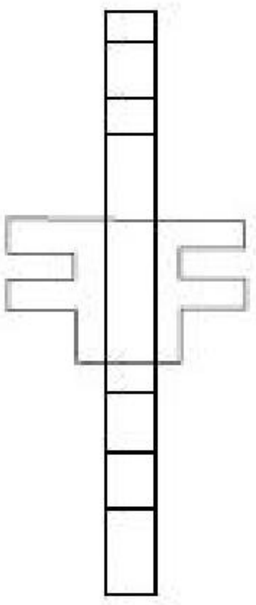
1. 

2. 

3. 

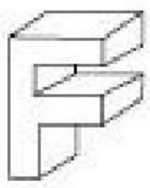
ZOLLEGE.in

4.



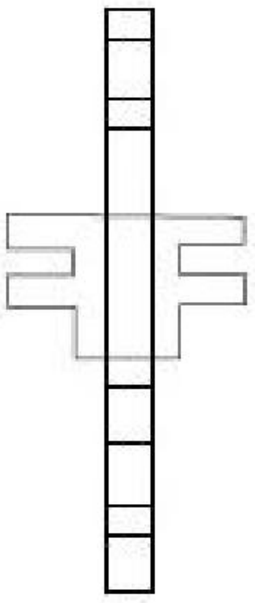
Question Number : 60 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 4 Wrong Marks : 1

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।

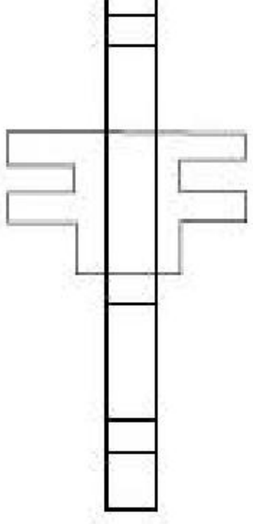


Options :

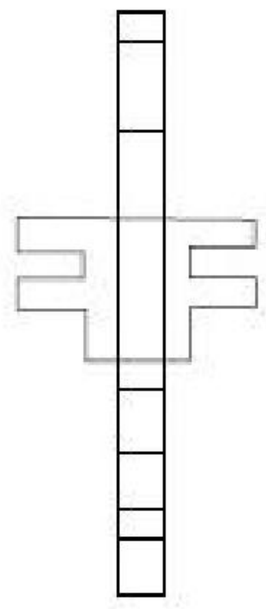
1.

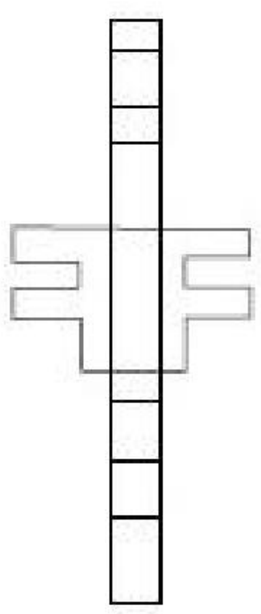


2.



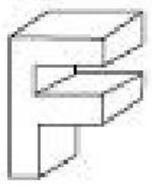
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3. 

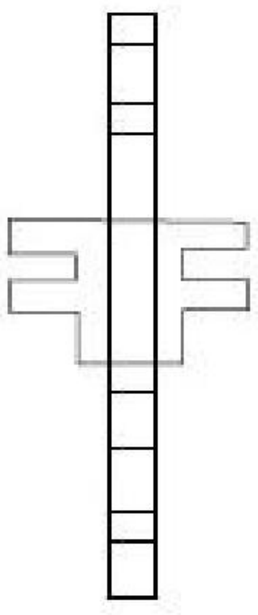
4. 

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

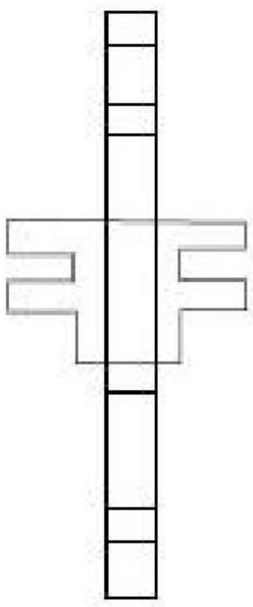
3 - D પ્રશ્ન આકૃતિ એક વસ્તુનું દૃશ્ય બતાવે છે. આ આકૃતિને ખોલી નાખવાથી મળંતુ સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી શોધો.

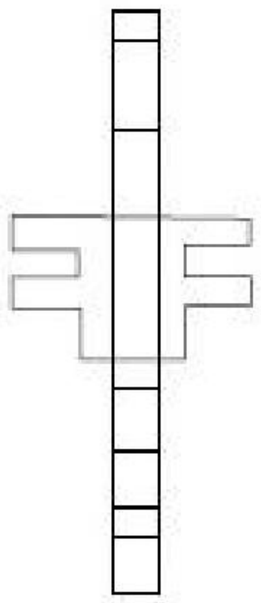


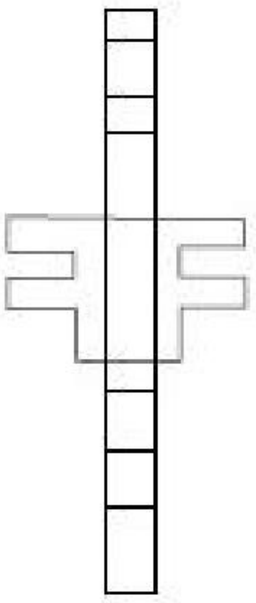
Options :

1. 

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2. 

3. 

4. 

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

The Louvre in Paris is which one of the following ?

Options :

1. A Dance Hall

2. A Banquet Hall

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3. A Museum

4. A Residence

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

पेरिस में स्थित लूवर निम्नलिखित में से कौन सा एक है?

Options :

1. एक नृत्य हॉल

2. एक बैंक्वेट हॉल

3. एक संग्रहालय

4. एक निवास

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

પેરિસમાં આવેલું લુવર નીચેનામાંથી શું છે?

Options :

1. એક નૃત્ય હોલ

2. એક બેંકવેટ હોલ (Banquet Hall)

3. એક સંગ્રહાલય (Museum)

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4. એક નિવાસસ્થાન

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

In the Northern Hemisphere the summer sun sets in which one of the following directions ?

Options :

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 गर्मियों में सूर्य निम्न दिशाओं में से किसमें डूबता है?

Options :

1. उत्तर पूर्व

2. उत्तर पश्चिम

3. दक्षिण पूर्व

4. दक्षिण पश्चिम

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

ઉત્તરી ગોલાર્ધમાં ઉનાળનો સૂર્ય નીચેનામાંથી કઈ દિશામાં આથમે છે?

Options :

1. ઉત્તર પૂર્વ

2. ઉત્તર પશ્ચિમ

3. દક્ષિણ પૂર્વ

4. દક્ષિણ પશ્ચિમ

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

In which one of the following States is the Konark Sun Temple ?

Options :

1. Karnataka

2. Andhra Pradesh

3. Odisha

4. Haryana

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

निम्नलिखित में से कौन से राज्य में कोणार्क सूर्य मंदिर

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1. कर्नाटक

2. आंध्र प्रदेश

3. ओड़िशा

4. हरियाणा

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

કોનાર્ક સૂર્ય મંદિર નીચેનામાંના ક્યા રાજ્યમાં આવેલું છે?

Options :

1. કર્ણાટક

2. આંધ્ર પ્રદેશ

3. ઓડિશા

4. હરિયાણા

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

What is the thickness of a half brick thick wall ?

Options :

1. 9″

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2. 6″

3. 4.5″

4. 8″

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

एक आधा ईंट मोटी दीवार की मोटाई कितनी होती है?

Options :

1. 9″

2. 6″

3. 4.5″

4. 8″

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

અડધી ઈંટ જાડી દિવાલની જાડાઈ શું છે?

Options :

1. 9″

2. 6″

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3. 4.5″

4. 8″

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

In which one of the following situations are trusses normally used in buildings ?

Options :

1. High Rise Buildings

2. Large Span Buildings

3. Under Water Buildings

4. Buildings in Deserts

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

निम्न में से कौन सी स्थितियों में trusses सामान्य रूप से इमारतों में उपयोग की जाती हैं?

Options :

1. उच्च वृद्धि इमारतों में

2. बड़े Span के भवनों में

3. अंडर वाटर बिल्डिंग में

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4. रेगिस्तान में इमारतों में

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

સામાન્ય રીતે ઈમારતોમાં ટ્રસીસ (trusses) નો ઉપયોગ નીચેનામાંની કઈ પરિસ્થિતિઓમાં કરવામાં આવે છે?

Options :

1. ઊંચી ઈમારતો (High Rise Buildings)

2. મોટી વિસ્તરેલી ઈમારતો (Large span buildings)

3. પાણી નીચેની ઈમારતો (Under water buildings)

4. રણ પ્રદેશની ઈમારતો (Buildings in deserts)

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

In which one of the following countries is Piazza San Marco located ?

Options :

1. Germany

2. France

3. England

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4. Italy

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

निम्न में से कौन सा देश में पियाज़ा सैन मार्को स्थित है?

Options :

1. जर्मनी

2. फ्रांस

3. इंग्लैंड

4. इटली

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

પિયાઝા સાન માર્કો નીચેનામાંના ક્યા દેશમાં આવેલું છે?

Options :

1. જર્મની

2. ફ્રાંસ

3. ઈંગ્લેન્ડ

4. ઈટલી

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

In which one of the following countries are Zen gardens popular ?

Options :

1. Thailand

2. Japan

3. China

4. Pakistan

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

निम्नलिखित देशों में से किस देश में जेन (Zen) उद्यान लोकप्रिय है?

Options :

1. थाईलैंड

2. जापान

3. चीन

4. पाकिस्तान

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

ઝેન ઉદ્યાનો (Zen gardens) નીચેનામાંના ક્યા દેશમાં પ્રચલિત છે?

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1. થાઈલેંડ

2. જાપાન

3. ચીન

4. પાકિસ્તાન

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

Chhatrapati Shivaji Terminus is located in which one of the following cities ?

Options :

1. Mumbai

2. Kolkata

3. Delhi

4. Bangalore

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

छत्रपति शिवाजी टर्मिनस निम्नलिखित में से किस शहर में स्थित है?

Options :

1. मुंबई

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2. કોલકાતા

3. દિલ્લી

4. બંગલોર

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

છત્રપતિ શિવાજી ટર્મિનસ નીચેનામાંના કયા શહેરમાં આવેલું છે?

Options :

1. મુંબઈ

2. કોલકત્તા

3. દિલ્લી

4. બેંગલોર

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

Which one of the following colors absorbs all light falling on it ?

Options :

1. Blue

2. Black

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3. Green

4. Pink

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

निम्न में से कौन सा रंग उस पर पडने वाले सभी प्रकाश को अवशोषित करता है?

Options :

1. नीला

2. काला

3. हरा

4. गुलाबी

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

નીચેનામાંનો કયો રંગ તેના પર પડતા બધા જ પ્રકાશને શોષી લે છે?

Options :

1. વાદળી

2. કાળો

3. લીલો

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4. ગુલાબી

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

Which one of the following colors is perceived as cowardice ?

Options :

1. Pink

2. Purple

3. Orange

4. Yellow

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

निम्न में से कौन सा रंग कायरता माना जाता है?

Options :

1. गुलाबी

2. बैंगनी

3. संतरी

4. पीला

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નીચેનામાંનો કયો રંગ કાયરતા તરીકે ઓળખવામાં આવે છે?

Options :

1. ગુલાબી

2. જાંબુડીયો

3. નારંગી

4. પીળો

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

Which one of the following textures describes the surface of a mirror ?

Options :

1. Grainy

2. Wrinkled

3. Shiny

4. Coarse

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

निम्न में से कौन सा बनावट दर्पण की सतह का वर्णन करता है?

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1. दानेदार

2. झुर्रिओं वाला

3. चमकदार

4. खुरदरा

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

નીચેના ટેક્સ્ચરો (textures) માંથી ક્યુ ટેક્સ્ચર દર્પણની સપાટીનું વર્ણન કરે છે?

Options :

1. દાણેદાર

2. કરચલી યુક્ત

3. ચમકદાર

4. ખરબચડું

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

What is the purpose of louvers in buildings ?

Options :

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1. To support buildings

2. To stop wind from entering

3. As sun breakers

4. To hide something

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

इमारतों में लूवर्स का उद्देश्य क्या है?

Options :

1. इमारतों को सहारा देना

2. हवा का प्रवेश रोकना

3. धुप रोकना

4. कुछ छुपाना

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

ઈમારતોમાં લૂવર્સ (louvers) નો હેતુ શું છે?

Options :

1. ઈમારતોને ટેકો આપવા

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2. પવનનો પ્રવેશ રોકવા

3. તડકો રોકવા

4. કંઈક છુપાવા માટે

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

Which one of the following floorings is ideal for indoor badminton courts ?

Options :

1. Granite

2. Brick

3. Marble

4. Wood

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

निम्न में से कौन सा फर्श इनडोर बैडमिंटन कोर्ट के लिए आदर्श है?

Options :

1. ग्रेनाइट

2. ईंट

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3. સંગમરમર

4. લકડી

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

મકાનની અંદર આવેલા બેડમિંટન કોર્ટ માટે નીચેનામાંથી કયો ભોંયતળિયા (floorings) માટે આદર્શ છે?

Options :

1. ગ્રેનાઈટ

2. ઈંટ

3. આરસપહાણ (Marble)

4. લાકડુ

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

Which one of the following architects designed the Madhya Pradesh Assembly Building?

Options :

1. Raj Rewal

2. Charles Correa

3. A.P. Kanvinde

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4. B.V. Doshi

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

निम्न में से किस एक वास्तुकार ने मध्य प्रदेश विधानसभा भवन का डिजाइन तैयार किया है?

Options :

1. राज रेवाल

2. चार्ल्स कोरिया

3. ए.पी. कांविंद

4. बी.वी. दोशी

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

મધ્ય પ્રદેશ વિધાનસભા ભવનની રચના નીચેનામાંથી કયા સ્થપતિ (વાસ્તુકાર) એ કરી છે?

Options :

1. રાજ રેવાલ

2. ચાર્લ્સ કોરિયા

3. એ.પી. કાંવિંદ

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4. બી.વી. દોશી

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

What is the normal height of a doorway in residences ?

Options :

1. 2.5 meters

2. 1.5 meters

3. 2.1 meters

4. 2.8 meters

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

घरों में द्वार की सामान्य ऊँचाई क्या है?

Options :

1. 2.5 मीटर

2. 1.5 मीटर

3. 2.1 मीटर

4. 2.8 मीटर

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ઘરોમાં દરવાજાની સામાન્ય ઊંચાઈ શું હોય છે?

Options :

1. 2.5 મીટર

2. 1.5 મીટર

3. 2.1 મીટર

4. 2.8 મીટર

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Drawing

Section Id : 40503629
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: 40503640
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 cylinders. There is no restriction to numbers, sizes, placement and directions of these shapes. Color this composition so that it becomes visually exciting.

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इस प्रश्न के उत्तर के लिए प्रदान की गई जगह में, केवल सिलिन्डरों 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 નળાકારોનો 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 gymnast doing exercise.

OR

Draw from imagination a scene of a school playground with children playing.

OR

Draw from memory a grand parents face.

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

कल्पना से एक जिम्नास्ट को व्यायाम करते हुए चित्रित करें।

अथवा

कल्पना से एक स्कूल के खेल मैदान में बच्चों को खेलते हुए चित्रित करें।

अथवा

स्मृति से एक दादा अथवा दादी का चेहरा चित्रित करें।

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

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તમારી કલ્પનાથી, એક વ્યાયામ કરતા વ્યાયામવીર (gymnast) નું ચિત્ર બનાવો.

અથવા

તમારી કલ્પનાથી, એક સ્કૂલ પ્લેગ્રાઉન્ડનું ચિત્ર બનાવો જેમાં બાળકો રમતાં હોય.

અથવા

તમારી સ્મરણશક્તિથી દાદા અથવા દાદીના ચહેરાનું ચિત્ર બનાવો.

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