

Q:1

Topic Name: Mathematics – Part I-Section A

ItemCode:121

The equation of the plane passing through the intersection of the planes

$$\vec{r} \cdot (\hat{i} + 2\hat{j} - \hat{k}) = 3 \text{ and } \vec{r} \cdot (2\hat{i} - \hat{j} + 3\hat{k}) = 2, \text{ and parallel to the line}$$

$$\frac{x-1}{1} = \frac{y-2}{2} = \frac{z-3}{1}, \text{ is}$$

Question:

A $\vec{r} \cdot (-5\hat{i} + 10\hat{j} - 15\hat{k}) = 4$

B $\vec{r} \cdot (-5\hat{i} + 10\hat{j} - 15\hat{k}) = 1$

C $\vec{r} \cdot (-9\hat{i} + 6\hat{j} - 3\hat{k}) = 4$

D $\vec{r} \cdot (-9\hat{i} + 6\hat{j} - 3\hat{k}) = 1$

Q:2

Topic Name: Mathematics – Part I-Section A

ItemCode:122

Let $f, g: \mathbb{R} \rightarrow \mathbb{R}$ be functions defined by $f(x) = x - 7$ and $g(x) = [7 + \sin x]$, where $[t]$ is the greatest integer less than or equal to t . Then the number of points in $[0, \pi]$,

Question: where the function $f \circ g + g \circ f$ is not continuous, is

A 1

B 2

C 3

D 5

Q:3

Topic Name: Mathematics – Part I-Section A

ItemCode:123

Let m and n be non-negative integers such that for

$$x \in \left(-\frac{\pi}{2}, \frac{\pi}{2}\right), \tan x + \sin x = m, \tan x - \sin x = n. \text{ Then the possible ordered pair}$$

Question: (m, n) is

A (2, 1) but not (3, 4)

B (3, 4) but not (2, 1)

C both (2, 1) and (3, 4)

D neither (2, 1) nor (3, 4)

Q:4

Topic Name: Mathematics – Part I-Section A

ItemCode:124

Question: Let $f(x) = (x + 4)^2 - 4, x \geq -4$. Then $\{x : f(x) = f^{-1}(x)\}$ is equal to

A $\{-4, -3, 3, 4\}$

B $\{-3, 0, 4\}$

C $\{-4, 3\}$

D $\{-4, -3\}$

Q:5

ItemCode: 125

Let z be a complex number and $\theta = \tan^{-1} \left(\frac{\operatorname{Im}(z)}{\operatorname{Re}(z)} \right)$ be an acute angle. If

$\arg(z) = \theta - \pi$, $|\operatorname{Re}(z)| = |\operatorname{Re}(1-2i)^{-3}|$ and $|\operatorname{Im}(z)| = |\operatorname{Im}(1-2i)^{-3}|$, then

$125 \operatorname{Im} \left(z + \frac{2i}{z} \right)$ is equal to

Question:

- A -2752
- B -1377
- C -1152
- D -627

Q:6

Topic Name: Mathematics – Part I-Section A

ItemCode: 126

Let $A = [a_{ij}]$, $\det(A) \neq 0$, and $B = [b_{ij}]$ be two 3×3 matrices. If $b_{ij} = 3^{i-j} a_{ij}$ for all

Question: $i, j = 1, 2, 3$ then

- A $3 \det(A) = \det(B)$
- B $27 \det(A) = \det(B)$
- C $\det(A) = \det(B)$
- D $\det(A) = 27 \det(B)$

Q:7

Topic Name: Mathematics – Part I-Section A

ItemCode: 127

Let A be a 3×3 symmetric matrix with integer entries. If the sum of all the

Question: diagonal elements of A^2 is 2, then the total number of such matrices A is equal to

- A 12
- B 6
- C 18
- D 24

Q:8

Topic Name: Mathematics – Part I-Section A

ItemCode: 128

If $(20C_1)^2 + 2(20C_2)^2 + 3(20C_3)^2 + \dots + 20(20C_{20})^2 = K$, then $\frac{(20!)^2 K}{40!}$ is equal to

Question:

- A $\frac{1}{10}$
- B $\frac{1}{5}$
- C 5
- D 10

Q:9

Topic Name: Mathematics – Part I-Section A

ItemCode: 129

Let $y = y(x)$ be the solution of the differential equation $xdy + ydx = xy^2 dx$, which

Question: passes through $(1, 1)$. Then $y(e^\pi)$ is equal to

- A $\frac{e^{-\pi}}{1+\pi}$

B $\frac{e^{-\pi}}{1-\pi}$

C $\frac{e^{\pi}}{1+\pi}$

D $\frac{e^{\pi}}{1-\pi}$

Q:10

Topic Name: Mathematics – Part I-Section A

ItemCode: 1210

Let $f: [-2a, 2a] \rightarrow \mathbb{R}$ be a thrice differentiable function and g be defined as $g(x) = f(a+x) + f(a-x)$. If m is the minimum number of roots of $g'(x) = 0$ in the interval $(-a, a)$ and n is the minimum number of roots of $g'''(x) = 0$ in the interval

Question: $(-a, a)$, then $m + n$ is equal to

A 1

B 2

C 4

D 5

Q:11

Topic Name: Mathematics – Part I-Section A

ItemCode: 1211

Let $y = y(x)$ be the solution of the initial value problem $2x \frac{dy}{dx} = 3xe^{\frac{y}{x}} + 2y$,

Question: $y(1) = \log_e 3$. Then $y\left(\frac{1}{e}\right)$ is equal to

A $-\frac{1}{e} \log_e \left(\frac{11}{6}\right)$

B $\frac{1}{e} \log_e \left(\frac{11}{6}\right)$

C $-\frac{2}{e} \log_e \left(\frac{11}{6}\right)$

D $\frac{3}{e} \log_e \left(\frac{11}{6}\right)$

Q:12

Topic Name: Mathematics – Part I-Section A

ItemCode: 1212

Let $f(t) = \int_0^t e^{x^2} \left((1+2x^2) \sin x + x \cos x \right) dx$. Then the value of $f(\pi) - f\left(\frac{\pi}{2}\right)$ is

Question: equal to

A $-\pi e^{\pi^2/4}$

B $-\frac{\pi}{2} e^{\pi^2/4}$

C $\frac{\pi}{2} e^{\pi^2/4}$

D $\pi e^{\pi^2/4}$

Q:13

Topic Name: Mathematics – Part I-Section A

ItemCode: 1213

Let $f: [-2, 2] \rightarrow \mathbb{R}$ be defined by $f(x) = x\sqrt{4-x^2}$. Then which one of the

Question: following is NOT true?

A f has two critical points in $(-2, 2)$

B Minimum value of f is -2 .

C $x = -2$ is a local minima.

D f is increasing in $(-\sqrt{2}, \sqrt{2})$

Q:14

Topic Name: Mathematics – Part I-Section A

ItemCode: 1214

If the lines $x + 2y = 1$ and $x - 3y = 1$ are tangents to a circle, then its centre will lie

Question: on

A $2x - y = 1$

B $2x - y = 2$

C $x^2 - y^2 - 14y - 2x + 14xy + 1 = 0$

D $x^2 + y^2 + 14y - 2x - 14xy + 1 = 0$

Q:15

Topic Name: Mathematics – Part I-Section A

ItemCode: 1215

The mirror image of the line $\frac{x-3}{-1} = \frac{y+2}{1} = \frac{z-1}{1}$ with respect to the plane

Question: $3x - y + 4z = 2$ is

A $\frac{x}{-1} = \frac{y+1}{1} = \frac{z+3}{1}$

B $\frac{x}{1} = \frac{y+1}{1} = \frac{z+3}{1}$

C $\frac{x+1}{-1} = \frac{y}{-1} = \frac{z+2}{1}$

D $\frac{x+1}{-1} = \frac{y}{-1} = \frac{z+2}{-1}$

Q:16

Topic Name: Mathematics – Part I-Section A

ItemCode: 1216

Let \hat{a} and \hat{c} be collinear unit vectors such that $(\vec{b} - 4\hat{c}) = -9\hat{a}$ for a vector \vec{b} .

Question: Then $|\vec{b}|^2$ is equal to :

A 27

B 25

C 21

D 18

Q:17

Topic Name: Mathematics – Part I-Section A

ItemCode: 1217

The probability that two randomly selected distinct 2-digit natural numbers have a

Question: common factor either 2 or 3 is:

A $\frac{88}{267}$

B $\frac{95}{267}$

C $\frac{1}{3}$

D $\frac{608}{1617}$

Q:18

Topic Name: Mathematics – Part I-Section A

ItemCode: 1218

The value of $\int_{-1}^2 |x^3 \sin \pi x| dx$ is equal to

Question:

A $\frac{11}{\pi} - \frac{4}{\pi^2} - \frac{6}{\pi^3}$

B $\frac{11}{\pi} - \frac{30}{\pi^3}$

C $\frac{11}{\pi} + \frac{4}{\pi^2} - \frac{6}{\pi^3}$

D $\frac{11}{\pi} + \frac{30}{\pi^3}$

Q:19

Topic Name: Mathematics – Part I-Section A

ItemCode: 1219

Question: The converse of the logical statement $(p \wedge (\sim q)) \Rightarrow (p \vee q)$ is equivalent to

A p B q C $\sim p$ D $\sim q$

Q:20

Topic Name: Mathematics – Part I-Section A

ItemCode: 1220

Consider ellipse $E: \frac{x^2}{9} + \frac{y^2}{4} = 1$ and hyperbola $H: \frac{x^2}{a^2} - \frac{y^2}{b^2} = 1$, with eccentricities e_1 and e_2 , respectively. If the hyperbola H passes through the focus of the ellipse

Question: E and $e_1 : e_2 = 1:3$, then the length of latus rectum of the hyperbola H is equal to

A $2\sqrt{5}$

B $4\sqrt{5}$

C $8\sqrt{5}$

D $10\sqrt{5}$

Q:21

Topic Name: Mathematics – Part I-Section B

ItemCode: 1221

Let $\sqrt{3}x + y = \frac{5\sqrt{3}}{2}$ and $\sqrt{5}x + y = \frac{7\sqrt{5}}{2}$ be two normal lines to the

parabola $y^2 = 2x$ at points P and Q . If the tangent lines at P and Q intersect at the

Question: point (a, b) , then the value of $b^2 - a$ is equal to _____.

Q:22

Topic Name: Mathematics – Part I-Section B

ItemCode: 1222

If the normal to the curve $(y - x^5)^2 = x(1 + x^2)^2$ at the point $(1, 3)$ passes through

Question: the point $(a, 2)$, then $|a|$ is equal to _____.

Q:23

Topic Name: Mathematics – Part I-Section B

ItemCode:1223

If the system of linear equations

$$2x - 3y + 5z = \beta$$

$$\alpha x + y + 2z = 3$$

$$3x - 16y + 23z = -13$$

Question: has infinitely many solutions, then $\alpha + \beta$ is equal to _____.

Q:24

Topic Name:Mathematics – Part I-Section B

ItemCode:1224

Let $f : \mathbb{N} \rightarrow \mathbb{N}$ be a function defined by

$$f(n) = an^2 + bn + c. \text{ If } f(1) = 3, f(2) = 6 \text{ and } f(n) = \frac{f(n-1) + f(n-2) + 8n^2 - 3}{6}$$

Question: for every $n \geq 3$, then $f(100)$ is equal to _____.

Q:25

Topic Name:Mathematics – Part I-Section B

ItemCode:1225

If the coefficient of x^8 in the expansion of $(1 - x^2)^3 (1 + 2x^3)^7 (1 + x^4)^5$ is β ,

Question: then $|\beta|$ is equal to _____.

Q:26

Topic Name:Mathematics – Part I-Section B

ItemCode:1226

If for real numbers α and β , $\int \frac{1+x \cos x}{x(1-x^2 e^{2 \sin x})} dx = \alpha \log_e \left| \frac{1}{x^2 e^{2 \sin x}} - \beta \right| + \text{constant}$,

Question: then the value of $10(\alpha + \beta)$ is equal to _____.

Q:27

Topic Name:Mathematics – Part I-Section B

ItemCode:1227

If the mean and variance of the observations 2, 6, α , 10, 12, β , 15 are 9 and 18

Question: respectively, then $\alpha\beta$ equals _____.

Q:28

Topic Name:Mathematics – Part I-Section B

ItemCode:1228

The number of real solutions of the equation $e^{4x} + 4e^{3x} - e^{2x} - 10e^x + 6 = 0$ is

Question: equal to _____.

Q:29

Topic Name:Mathematics – Part I-Section B

ItemCode:1229

Let A_1, A_2, A_3, \dots be an increasing G.P. of positive real numbers. If

Question: $A_6 = 49A_2$ and $A_6 + A_3A_5 = 8$, then $A_7 (A_1 + A_3)$ is equal to _____.

Q:30

Topic Name:Mathematics – Part I-Section B

ItemCode:1230

Suppose that \vec{a}, \vec{b} and \vec{c} are non-coplanar vectors in \mathbb{R}^3 . Let the components of a

vector \vec{n} along \vec{a}, \vec{b} and \vec{c} be 2, 5 and 3 respectively. If the components of this

vector \vec{n} along $\vec{a} + 2\vec{b} - \vec{c}, -2\vec{a} + \vec{b} + \vec{c}$ and $\vec{a} - \vec{b} - 2\vec{c}$ are x, y and

Question: z respectively, then the value of $x + y - 4z$ is equal to _____.

Q:31

Topic Name:Aptitude Test – Part II

ItemCode:41231

'Amar Jawan Jyoti' which was conceptualised & constructed after Indo-Pakistan war of 1971, is now merged with flame of...

Question: war of 1971, is now merged with flame of...

- A New Parliament Building
- B National War Memorial
- C Wagah Border, Punjab
- D Rastrapati Bhawan

Q:32

Topic Name:Aptitude Test – Part II

ItemCode:41232

Which amongst the following author has wrote the famous book "The Death and Life of Great American Cities".

Question: Life of Great American Cities".

- A Charles Comea
- B Richard Meier
- C Laurie Baker
- D Jane Jacob

Q:33

Topic Name:Aptitude Test – Part II

ItemCode:41233

"The Hall of Nations" in Pragati Maidan at New Delhi was designed essentially a three dimensional space with unit of-



Question:

- A A spheroid
- B A Decahedron
- C An Octahedron
- D A Tetrahedron

Q:34

Topic Name:Aptitude Test – Part II

ItemCode:41234

Question: Write the full form of 'CPCB'.

- A Center Polluted Control Board
- B Central Pollution Control Board
- C Central Polluted and Control Board
- D Center for Pollution and Climate Board

Q:35

Topic Name:Aptitude Test – Part II

ItemCode:41235

The Basilica of Bom Jesus, a UNESCO world heritage site is located in which

Question:state of India ?

- A Daman
- B Kerala

- C Goa
- D Andaman and Nicobar Island

Q:36
Topic Name:Aptitude Test – Part II

ItemCode:41236
Question: The 'Vitruvian Man' is a drawing made by...

- A Rambrant
- B Raphael
- C Leonardo da Vinci
- D Picasso

Q:37
Topic Name:Aptitude Test – Part II

ItemCode:41237
Question: In which of the following Indian state 'The Garo-Khasi range' is located.

- A Mizoram
- B Meghalaya
- C Nagaland
- D Manipur

Q:38
Topic Name:Aptitude Test – Part II

ItemCode:41238
Buildings situated in hills will required to consider which of the following phenomeanas, primarily?

Question: (a) Tsunami (b) Hail (c) High Tide (d) Land slide (e) Dust storm (f) Snow

- A b, c, d
- B b, e, f
- C b, d, f
- D a, b, f

Q:39
Topic Name:Aptitude Test – Part II

ItemCode:41239
Question: 'Vienna Peace Congress' was held during which of the following years?

- A 1813-1814
- B 1814-1815
- C 1815-1816
- D 1812-1813

Q:40
Topic Name:Aptitude Test – Part II

ItemCode:41240
Question: Which of the following is the longest river of the peninsular India ?

- A Narmada
- B Godavari
- C Mahanadi
- D Tapi

Q:41
Topic Name:Aptitude Test – Part II

ItemCode:41241

Question: At the summer solstice, the sun rises in which direction?

- A East
- B West
- C Far to the North-East
- D Far North-West

Q:42

Topic Name: Aptitude Test – Part II

ItemCode:41242

Match the Architectural style given in List-I with the famous Building in List-II

- | List-I | List-II |
|-------------------------------|-------------------------------------|
| A. Industrial Building Style | I. The Burlin Brain Library, Burlin |
| B. Brutalist Style | II. Westminster Abbey |
| C. Biogitecture Style | III. Eiffel Tower |
| D. Gothic Architectural Style | IV. Secretariat Building, Chandigar |

Question: Choose the correct option.

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

Q:43

Topic Name: Aptitude Test – Part II

ItemCode:41243

Given below are two statements-

Statement-I: Taj Mahal is placed on the northern extremity of the bagh instead of middle to take advantage of the river bank.

Statement II: The white Marble of Taj Mahal is used to achieve contrast with the red sandstone of the surrounding structures.

Question:

- A Both Statement I and Statement II are correct
- B Both Statement I and Statement II are not correct
- C Statement I is correct but Statement II is not correct
- D Statement I is not correct but Statement II is correct

Q:44

Topic Name: Aptitude Test – Part II

ItemCode:41244

Question: How many minimum points are required to connect to create a 2D plane?

- A One
- B Three
- C Two
- D Four

Q:45

Topic Name: Aptitude Test – Part II

ItemCode:41245

An external wall of a room has 4 opening for windows (i.e. A, B, C, D). size of A and B are same i.e. having width of 1.0 m and height 1.5 m. Height of C and D is same as of A and B. Width of C is 2.5 m, what is the width of D, if total opening

Question: area is 9 m^2 .

- A 1.0 m
- B 1.5 m

C 2.5 m

D 2.0 m

Q:46

Topic Name:Aptitude Test – Part II

ItemCode:41246

Prestigious international Aga Khan award winning project, 'Slum Networking', a

Question: community driven approach, at Indore is designed by ___?

A Himanshu Parikh

B Uttam Jain

C Hasmukh Patel

D Neelam Manjunath

Q:47

Topic Name:Aptitude Test – Part II

ItemCode:41247

'The Garden of the Heart' documentary is based on which of the following

Question: renowned architect ?

A Santiago Calatrava

B Renzo Piano

C Kisho Kurokawa

D Joseph Allen Stein

Q:48

Topic Name:Aptitude Test – Part II

ItemCode:41248

List-I

List-II

A.



I. India Habitat Centre by Stein Joseph

B.



II. Guggenheim Museum by Frank Lloyd wright

C.



III. Modern school, New Delhi by Jasbir Sachdev & Rosmerry Sachdev

D.



IV. Heydear Aliyev Centre by Zaha Hadid

Question:

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

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

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

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

Q:49

Topic Name:Aptitude Test – Part II

ItemCode:41249

Identify the missing number in given image.

36	100	16
49	100	9
64	?	25

Question:

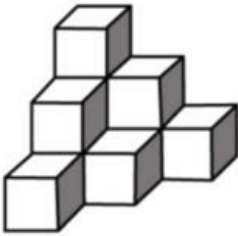
- A 100
- B 169
- C 122
- D 121

Q:50

Topic Name:Aptitude Test – Part II

ItemCode:41250

Identify the number of cubes in given question image.



Question:

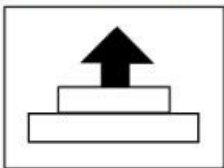
- A 12
- B 10
- C 11
- D 07

Q:51

Topic Name:Aptitude Test – Part II

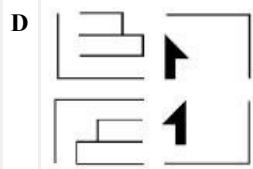
ItemCode:41251

Answer figure shows four parts of an image. After joining these four parts which answer figure will show the exact copy of the question figure ?



Question:

- A
- B
- C

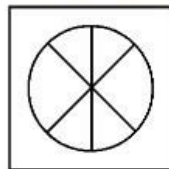
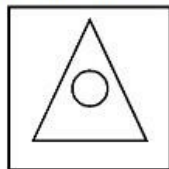
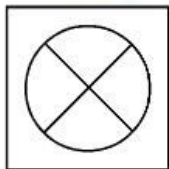


Q:52

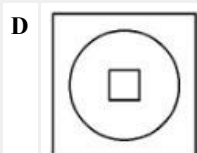
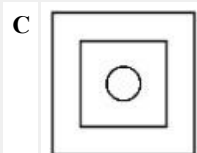
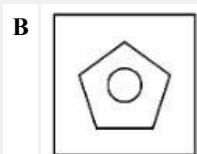
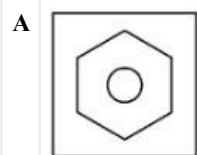
Topic Name: Aptitude Test – Part II

ItemCode: 41252

Understand the relationship between 1 and 2. Choose the missing figure from the given options, such that a similar relationship is established between 3 and 4.



Question:

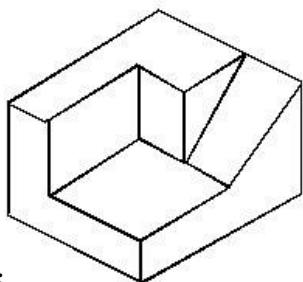


Q:53

Topic Name: Aptitude Test – Part II

ItemCode: 41253

Find out the number of surfaces of given 3D object in question figure.



Question:

A 11

B 9

C 12

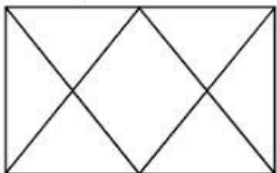
D 10

Q:54

Topic Name: Aptitude Test – Part II

ItemCode:41254

Identify the total number of triangles in question figure given below ?



Question:

- A 12
- B 14
- C 16
- D 06

Q:55

Topic Name:Aptitude Test – Part II

ItemCode:41255

Question: Which of the following compositions best suits for 'Variety'?

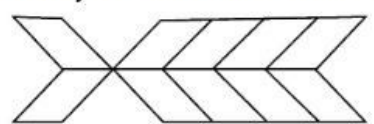
- A
- B
- C
- D

Q:56

Topic Name:Aptitude Test – Part II

ItemCode:41256

Identify the total number of rectangles in given image.



Question:

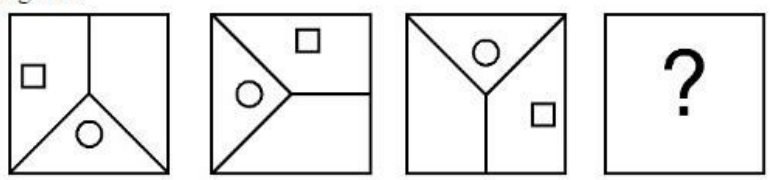
- A 20
- B 22
- C 10
- D 16

Q:57

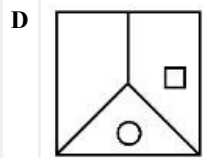
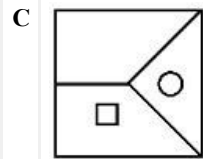
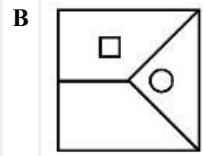
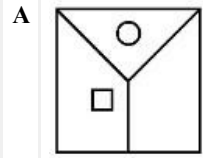
Topic Name:Aptitude Test – Part II

ItemCode:41257

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



Question:

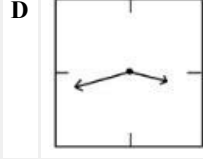
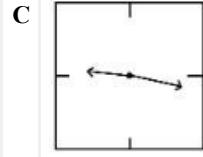
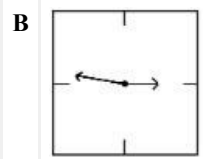
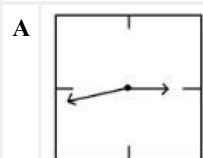


Q:58

Topic Name:Aptitude Test – Part II

ItemCode:41258

Shown below are mirror images of wall clock. Which one of the options shows time 21.16 correctly ?

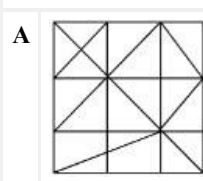
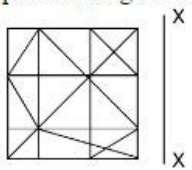


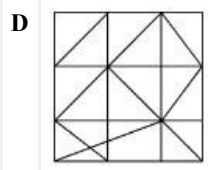
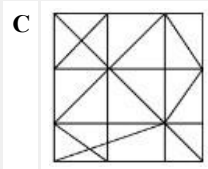
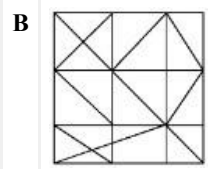
Q:59

Topic Name:Aptitude Test – Part II

ItemCode:41259

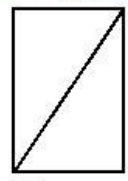
Which one of the answer figure is the most appropriate mirror image of the problem figure with respect to 'X-X'?



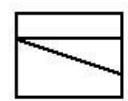


Q:60
Topic Name: Aptitude Test – Part II

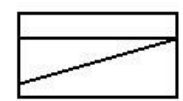
ItemCode: 41260
 Question figure shows top view/plan, Front elevation and Right side elevation of the same object. Identify the most appropriate 3D view of this object from given answer figures.



Top



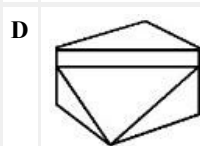
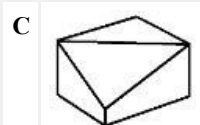
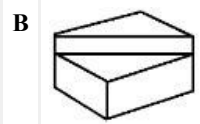
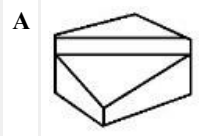
Front



Right side

Question: elevation

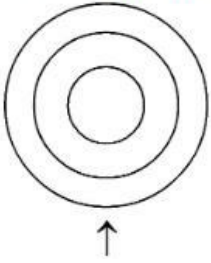
elevation



Q:61
Topic Name: Aptitude Test – Part II

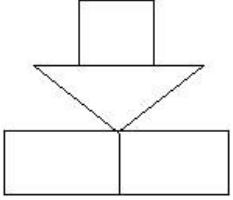
ItemCode:41261

Question figure shows top view/plan of an object. Looking in the direction of arrow, identify the most appropriate elevation from given answer figures.

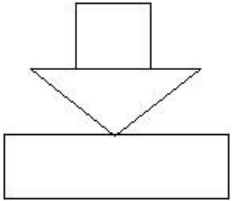


Question:

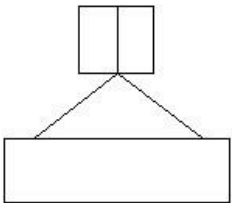
A



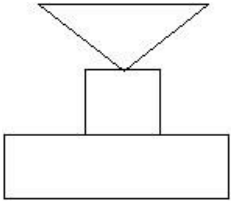
B



C



D

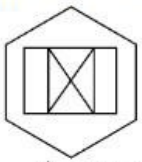


Q:62

Topic Name:Aptitude Test – Part II

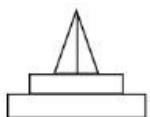
ItemCode:41262

Question figure shows plan of an object. Looking in the direction of arrow identify the correct elevation from given answer figures.

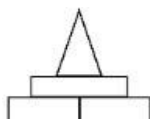


Question:

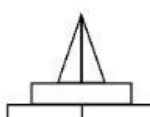
A



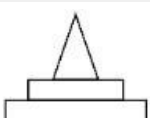
B



C



D

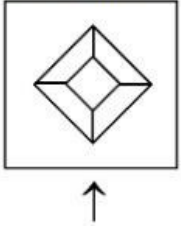


Q:63

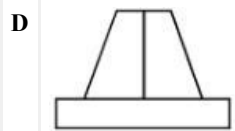
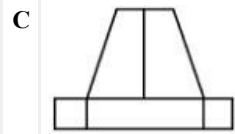
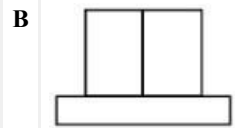
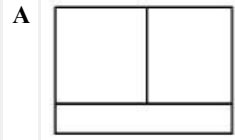
Topic Name: Aptitude Test – Part II

ItemCode:41263

Question figure shows plan of an object. Looking in the direction of arrow, identify the correct elevation from given answer figures.



Question:

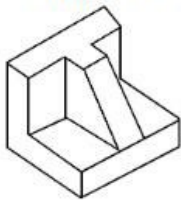


Q:64

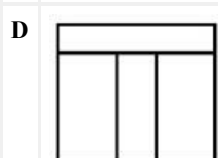
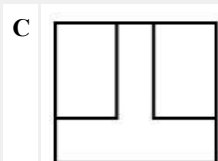
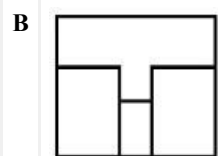
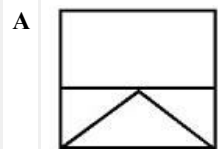
Topic Name: Aptitude Test – Part II

ItemCode:41264

Question figure shows 3D view of an object. Identify the most appropriate top view/plan of given 3D object from answer figures.



Question:

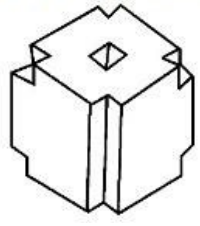


Q:65

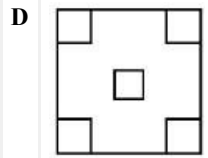
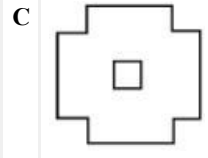
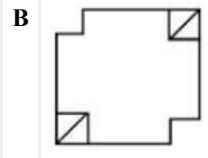
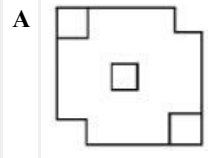
Topic Name:Aptitude Test – Part II

ItemCode:41265

Question figure shows 3D view of an object. Identify the correct top view/plan of given 3D object from answer figures.



Question:

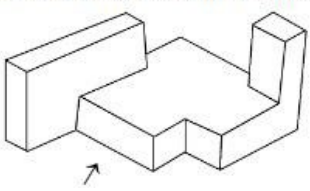


Q:66

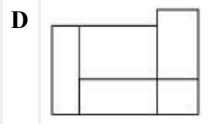
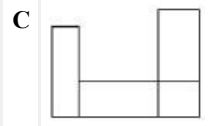
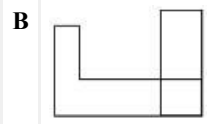
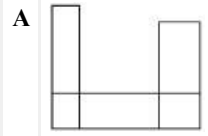
Topic Name:Aptitude Test – Part II

ItemCode:41266

Question figure shows 3D view of an object. Looking in the direction of arrow identify the most appropriate elevation from given answer figures.



Question:

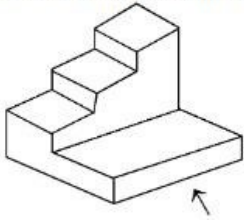


Q:67

Topic Name:Aptitude Test – Part II

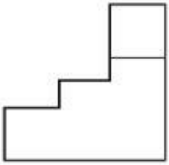
ItemCode:41267

Question figure shows 3D view of an object. Looking in the direction of arrow, identify the most appropriate elevation from given answer figures.

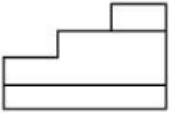


Question:

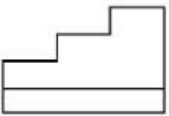
A



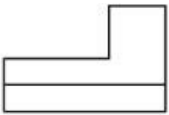
B



C



D

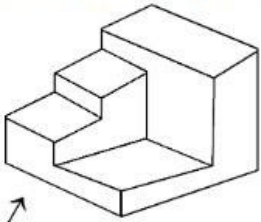


Q:68

Topic Name:Aptitude Test – Part II

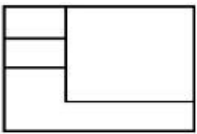
ItemCode:41268

Question figure shows 3D view of an object. Looking in the direction of arrow, identify the most appropriate elevation from given answer figures.

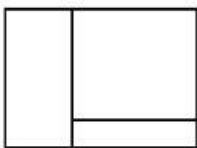


Question:

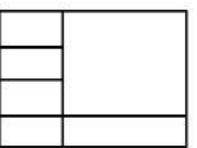
A



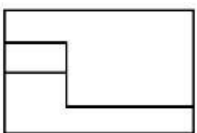
B



C



D

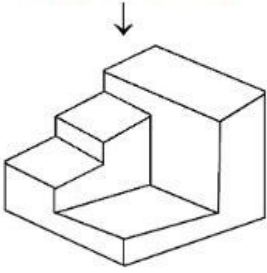


Q:69

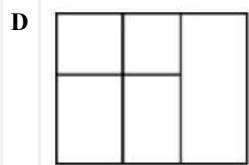
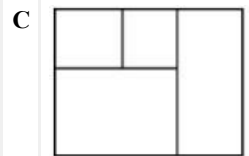
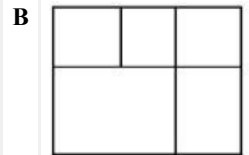
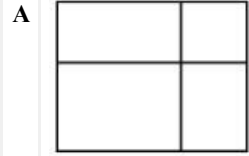
Topic Name:Aptitude Test – Part II

ItemCode:41269

Question figure shows 3D view of an object. Identify the most appropriate top view/plan of the object, from given answer figures.



Question:

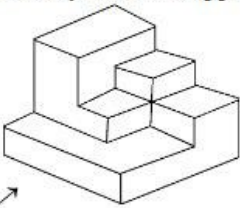


Q:70

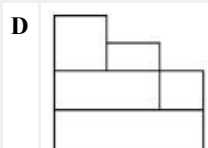
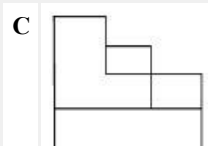
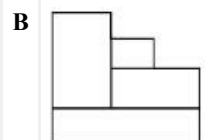
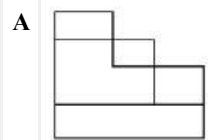
Topic Name:Aptitude Test – Part II

ItemCode:41270

Question figure shows 3D view of an object. Looking in the direction of arrow, identify the most appropriate elevation from given answer figures.



Question: →

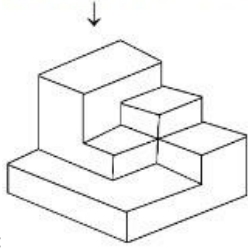


Q:71

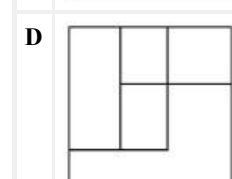
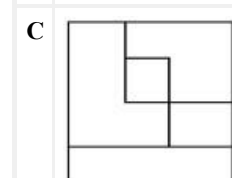
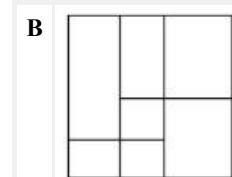
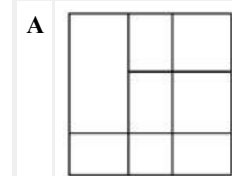
Topic Name: Aptitude Test – Part II

ItemCode: 41271

Question figure shows 3D view of an object. Identify the correct top view/plan of an object from given answer figures.



Question:

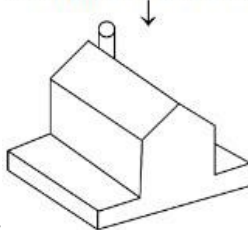


Q:72

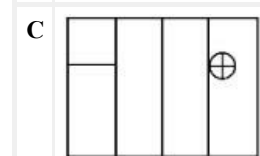
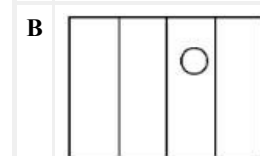
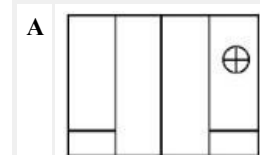
Topic Name: Aptitude Test – Part II

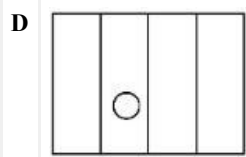
ItemCode: 41272

Question figure shows 3D view of an object. Identify the most appropriate top view/plan of given object from answer figures.



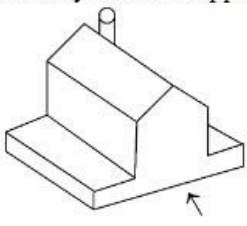
Question:



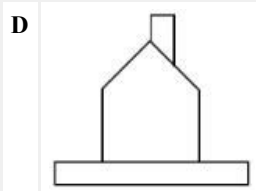
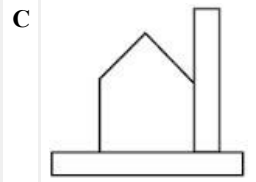
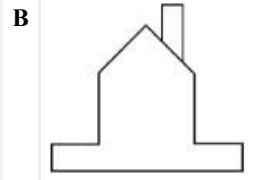
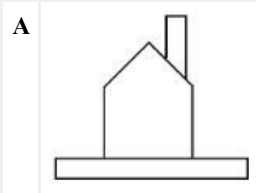


Q:73
Topic Name: Aptitude Test – Part II

ItemCode: 41273
 Question figure shows 3D view of an object. Looking in the direction of arrow, identify the most appropriate elevation from given answer figures.

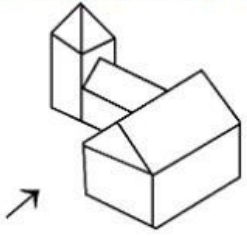


Question:

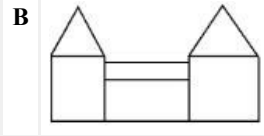
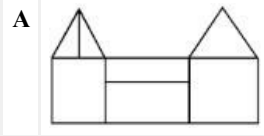


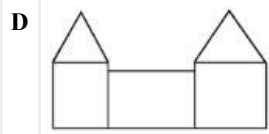
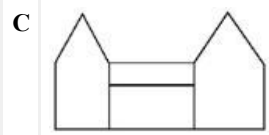
Q:74
Topic Name: Aptitude Test – Part II

ItemCode: 41274
 Question figure shows 3D view of an object. Looking in the direction of arrow, identify the most appropriate elevation from given answer figures.



Question:

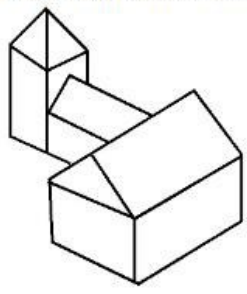




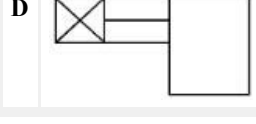
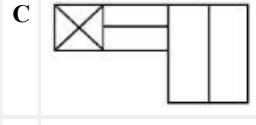
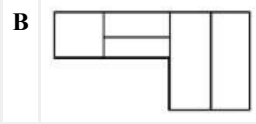
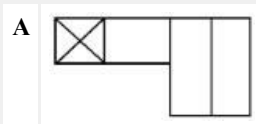
Q:75
Topic Name: Aptitude Test – Part II

ItemCode: 41275

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



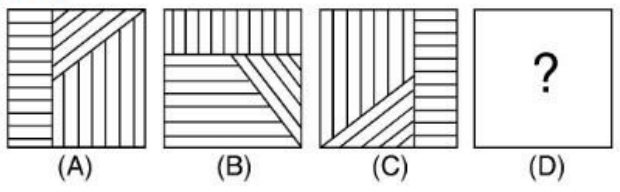
Question:



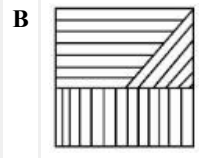
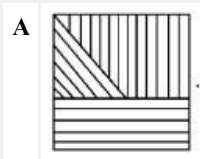
Q:76
Topic Name: Aptitude Test – Part II

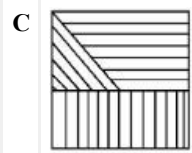
ItemCode: 41276

In the question figure A and B have certain relation. Choose one of the answer figures from given options, so that similar relation will be established between C and D.



Question:



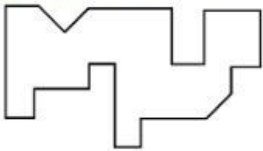


Q:77

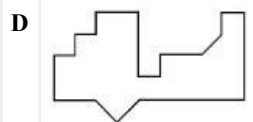
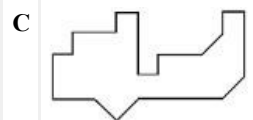
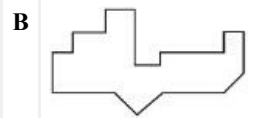
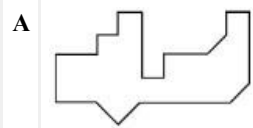
Topic Name:Aptitude Test – Part II

ItemCode:41277

Which of the following answer figures will perfectly interlock with the bottom of the question figure.



Question:

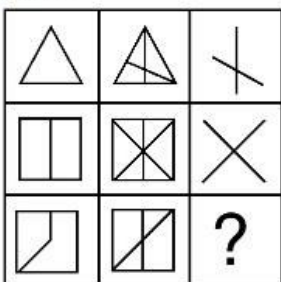


Q:78

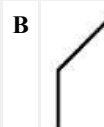
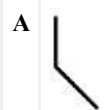
Topic Name:Aptitude Test – Part II

ItemCode:41278

Find out which of the answer figures completes the matrix sequence of question figure.



Question:



D

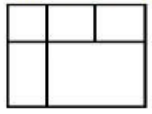


Q:79

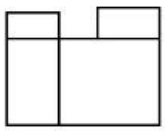
Topic Name:Aptitude Test – Part II

ItemCode:41279

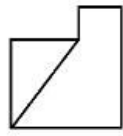
Question figure shows top view/plan, front elevation and right hand side elevation of an object. Identify the most appropriate 3D view of this object.



TOP



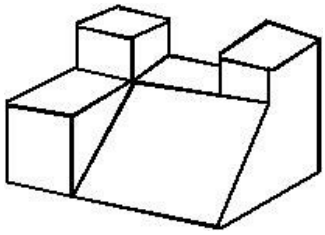
FRONT



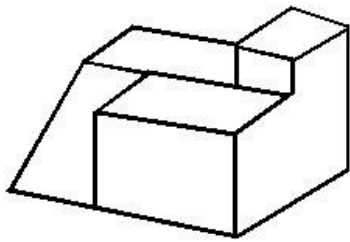
RIGHT SIDE

Question:

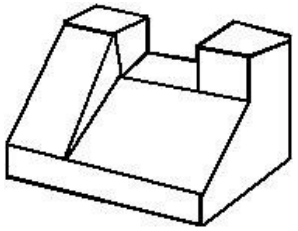
A



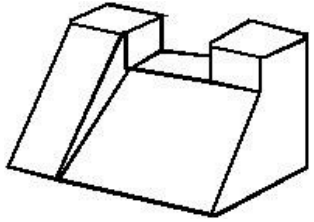
B



C



D



Q:80

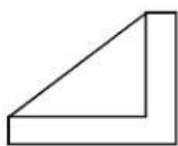
Topic Name:Aptitude Test – Part II

ItemCode:41280

Question figure shows top view/plan, front elevation and right hand side elevation of an object. Identify the most appropriate 3d view of this object.

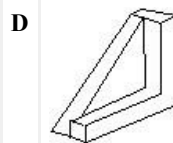
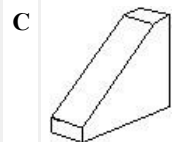
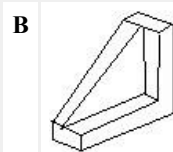
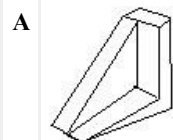


TOP



RIGHT SIDE

Question: FRONT



Q:81
Topic Name:Drawing Test – Part III

ItemCode:41281

Draw a proportionate sketch of given reference image. Use any black & white rendering technique for shading.



Question:

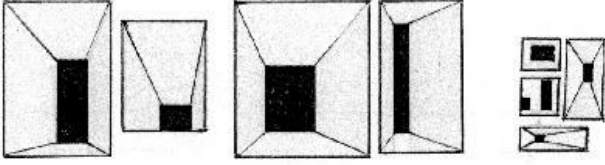
Q:82
Topic Name:Drawing Test – Part III

ItemCode:41282

Draw a picture of any sports event you have attended. Use colours of your choice to render the picture.

OR

Using given figure of various sizes create a Jali partition of suitable size. Use colours of your choice to render the composition.



Question: