Q:1
Topic Name: Mathematics – Part I-Section A

ItemCode: 121

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

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

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

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

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

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

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

Q:2
Topic Name: Mathematics – Part I-Section A

ItemCode: 122

Question: Let f, $g : \mathbb{R} \to \mathbb{R}$ 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 $[0, \pi]$, 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

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

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

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

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

$125\,\text{Im}\left(z + \dfrac{2i}{\bar{z}}\right)$ is equal to

A	−2752
B	− 1377
C	−1152
D	−627

Q:6

ItemCode:126

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

ItemCode:127

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

ItemCode:128

Question: If $(20_{C_1})^2 + 2(20_{C_2})^2 + 3(20_{C_3})^2 + \ldots + 20(20_{C_{20}})^2 = K$, then $\dfrac{(20!)^2 K}{40!}$ is equal to

A	$\dfrac{1}{10}$
B	$\dfrac{1}{5}$
C	5
D	10

Q:9

ItemCode:129

Question: Let $y = y(x)$ be the solution of the differential equation $x\,dy + y\,dx = xy^2\,dx$, which passes through $(1, 1)$. Then $y(e^{\pi})$ is equal to

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

B	$\dfrac{e^{-\pi}}{1-\pi}$
C	$\dfrac{e^{\pi}}{1+\pi}$
D	$\dfrac{e^{\pi}}{1-\pi}$

Q:10
Topic Name: Mathematics – Part I-Section A

ItemCode:1210

Question: Let $f: [-2a, 2a] \to \mathbb{R}$ 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 $(-a, a)$, 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

Question: Let $y = y(x)$ be the solution of the initial value problem $2x\dfrac{dy}{dx} = 3xe^{\frac{y}{x}} + 2y$, $y(1) = \log_e 3$. Then $y\left(\dfrac{1}{e}\right)$ is equal to

A	$-\dfrac{1}{e}\log_e\left(\dfrac{11}{6}\right)$
B	$\dfrac{1}{e}\log_e\left(\dfrac{11}{6}\right)$
C	$-\dfrac{2}{e}\log_e\left(\dfrac{11}{6}\right)$
D	$\dfrac{3}{e}\log_e\left(\dfrac{11}{6}\right)$

Q:12
Topic Name: Mathematics – Part I-Section A

ItemCode:1212

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

A	$-\pi\, e^{\pi^2/4}$
B	$-\dfrac{\pi}{2}\, e^{\pi^2/4}$
C	$\dfrac{\pi}{2}\, e^{\pi^2/4}$
D	$\pi\, e^{\pi^2/4}$

Q:13
Topic Name: Mathematics – Part I-Section A

ItemCode:1213

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

Q:14
Topic Name: Mathematics – Part I-Section A

ItemCode:1214

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

Question: The mirror image of the line $\dfrac{x-3}{-1} = \dfrac{y+2}{1} = \dfrac{z-1}{1}$ with respect to the plane $3x - y + 4z = 2$ is

A	$\dfrac{x}{-1} = \dfrac{y+1}{1} = \dfrac{z+3}{1}$
B	$\dfrac{x}{1} = \dfrac{y+1}{1} = \dfrac{z+3}{1}$
C	$\dfrac{x+1}{-1} = \dfrac{y}{-1} = \dfrac{z+2}{1}$
D	$\dfrac{x+1}{-1} = \dfrac{y}{-1} = \dfrac{z+2}{-1}$

Q:16
Topic Name: Mathematics – Part I-Section A

ItemCode:1216

Question: Let $\hat{a}$ and $\hat{c}$ be collinear unit vectors such that $\left(\vec{b} - 4\hat{c} \right) = -9\hat{a}$ for a vector $\vec{b}$. Then $\left| \vec{b} \right|^2$ is equal to :

A	27
B	25
C	21
D	18

Q:17
Topic Name: Mathematics – Part I-Section A

ItemCode:1217

Question: The probability that two randomly selected distinct 2-digit natural numbers have a common factor either 2 or 3 is:

A	$\dfrac{88}{267}$
B	$\dfrac{95}{267}$
C	$\dfrac{1}{3}$
D	$\dfrac{608}{1617}$

Q:18
Topic Name: Mathematics – Part I-Section A

ItemCode:1218

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

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

B | $\dfrac{11}{\pi} - \dfrac{30}{\pi^3}$

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

D | $\dfrac{11}{\pi} + \dfrac{30}{\pi^3}$

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

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

Question: Let $\sqrt{3}x + y = \dfrac{5\sqrt{3}}{2}$ and $\sqrt{5}x + y = \dfrac{7\sqrt{5}}{2}$ 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 point (a, b), then the value of $b^2 - a$ is equal to _____.

Q:22
Topic Name: Mathematics – Part I-Section B

ItemCode:1222

Question: If the normal to the curve $(y - x^5)^2 = x(1 + x^2)^2$ at the point $(1, 3)$ passes through the point $(\alpha, 2)$, then $|\alpha|$ 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

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

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, $\displaystyle\int \dfrac{1 + x\cos x}{x(1 - x^2 e^{2\sin x})}dx = \alpha \log_e \left| \dfrac{1}{x^2 e^{2\sin x}} - \beta \right| + \text{constant}$,

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 .... 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

Question: 'Amar Jawan Jyoti' which was conceptualised & constructed after Indo-Pakistan 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

Question: Which amongst the following author has wrote the famous book "The Death and 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

Question: The Basilica of Bom Jesus, a UNESCO world heritage site is located in which 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
Question: Buildings situated in hills will required to consider which of the following phenomeanas, primarily?
(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

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. Westminister Abbey
C. Blogitecture 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 northen 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
Question: red sandstone of the surrounding structures.

| 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

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

Question: 'The Garden of the Heart' documentary is based on which of the following renowned architect ?

A	Santiago Culatrava
B	Renzo Piano
C	Kisho Kurokawa
D	Joseph Allen Stein

Q:48
Topic Name: Aptitude Test – Part II

ItemCode:41248

List-I

A.

B.

C.

D.

List-II

I. India Habitat Centre by Stein Joseph

II. Guggenheim Museum by Frank Lloyd wright

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

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

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.
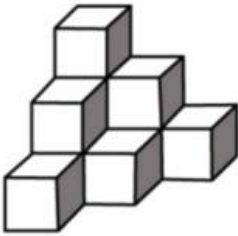
Question:

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

D
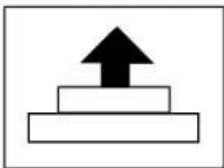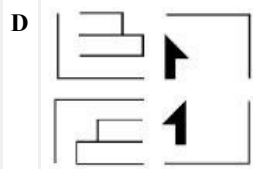
Q:52
Topic Name: Aptitude Test – Part II

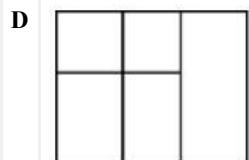**ItemCode:** 41252

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.

| 1 | 2 | 3 | 4 |

Question:

A

B

C

D
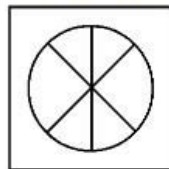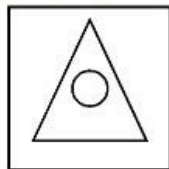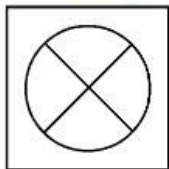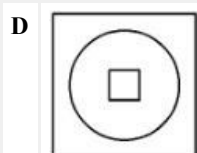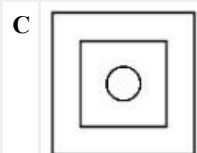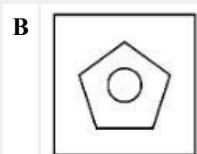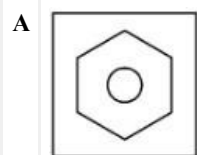
Q:53
Topic Name: Aptitude Test – Part II

ItemCode: 41253

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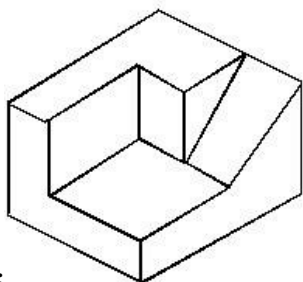
Question:

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 ?
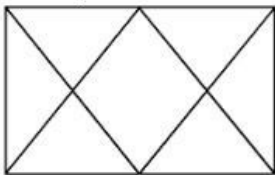
Question:

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.
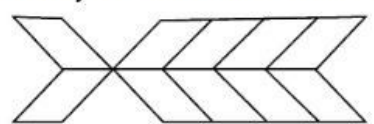
Question:

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:

A

B

C

D
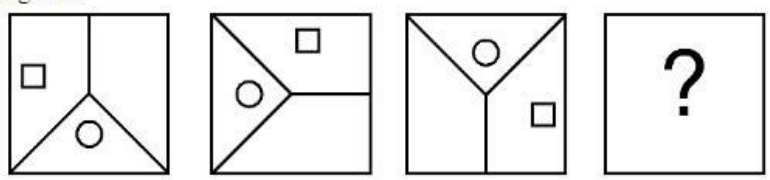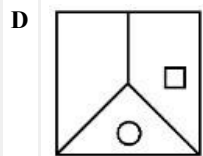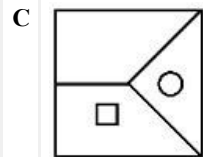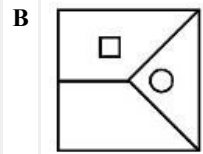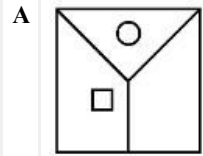
Q:58
Topic Name: Aptitude Test – Part II

ItemCode: 41258

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

A

B

C

D
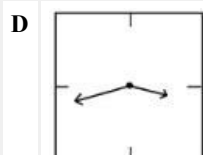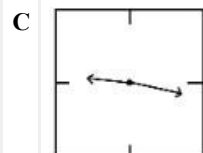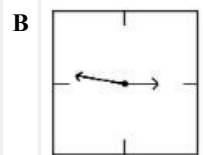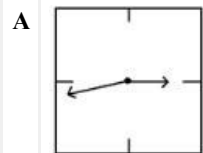
Q:59
Topic Name: Aptitude Test – Part II

ItemCode: 41259

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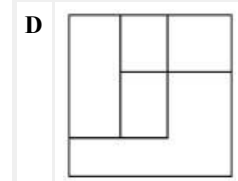

A

B

C

D
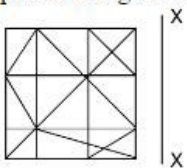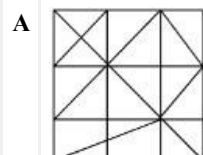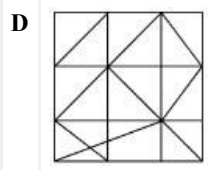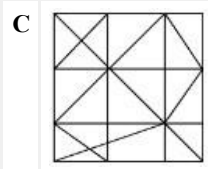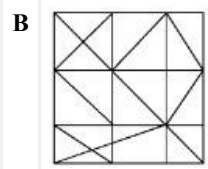
Q:60
Topic Name: Aptitude Test – Part II

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.
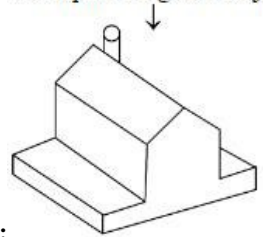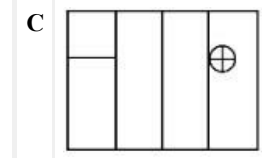

Top

Front
elevation

Right side
elevation

Question:

A

B

C

D
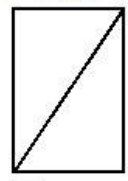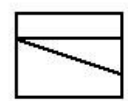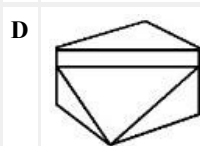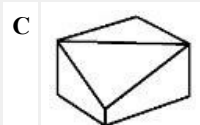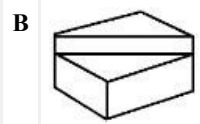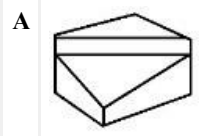
Q:61
Topic Name: Aptitude Test – Part II

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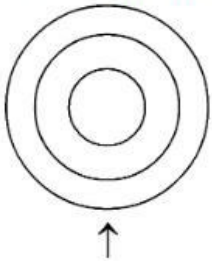
Question:

A
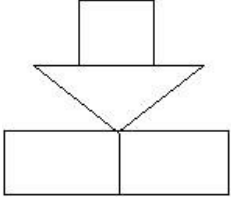
B
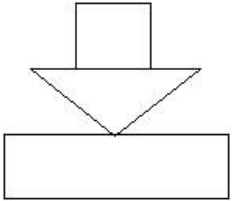
C
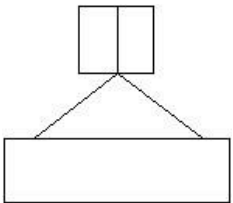
D
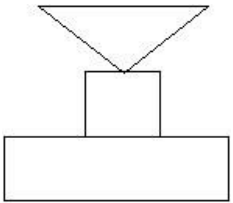
Q:62
Topic Name: Aptitude Test – Part II

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

Question:

 ↑ Top View

A
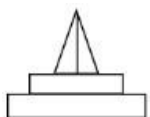
B
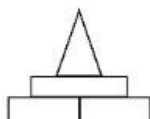
C
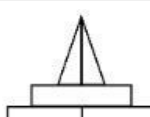
D
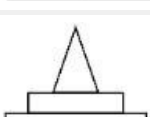
Q:63
Topic Name: Aptitude Test – Part II

ItemCode:41263

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

Question:

A

B

C

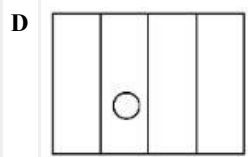
D
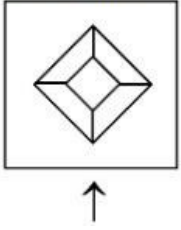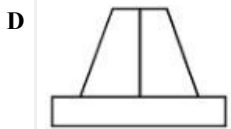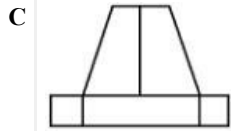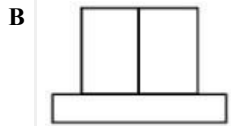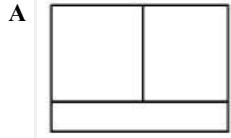
Q:64
Topic Name: Aptitude Test – Part II

ItemCode:41264

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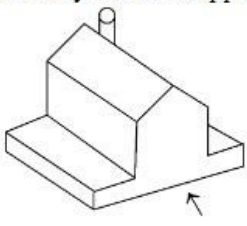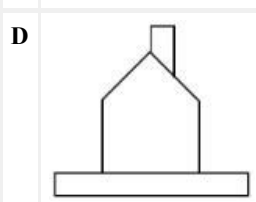
Question:

A

B

C

D
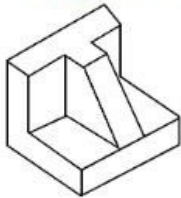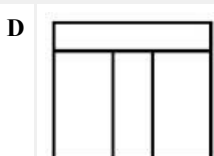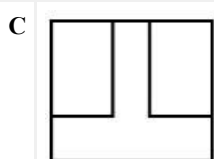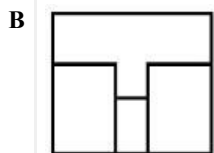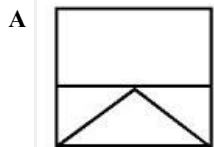
Q:65

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.
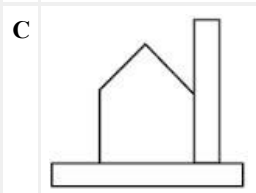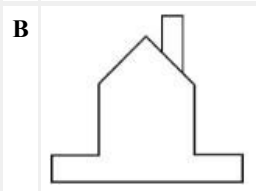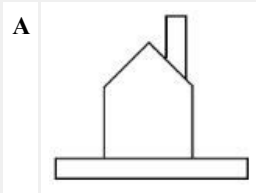
Question:

A

B

C

D
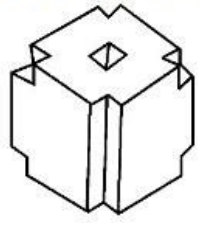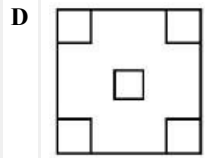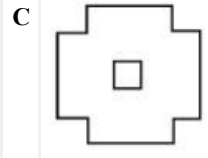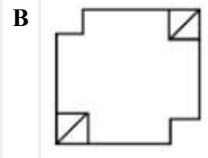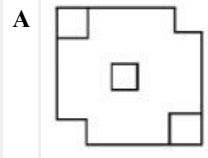
Q:66

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.
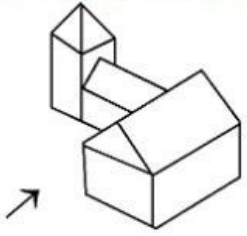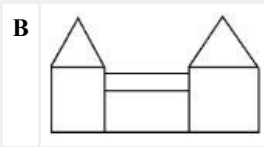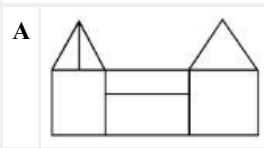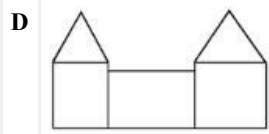
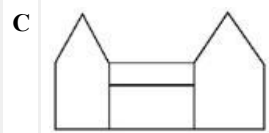**Question:**

A

B

C

D
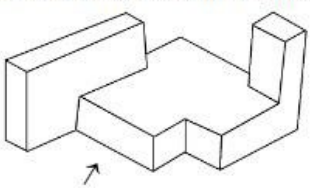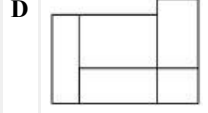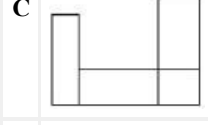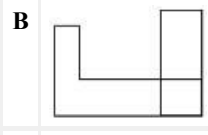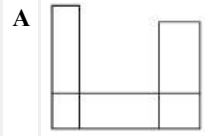
Q:67

Topic Name: Aptitude Test – Part II

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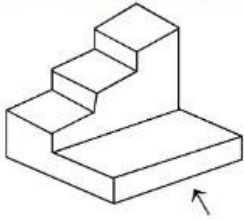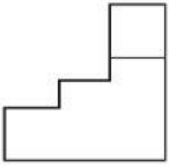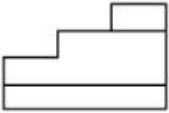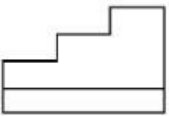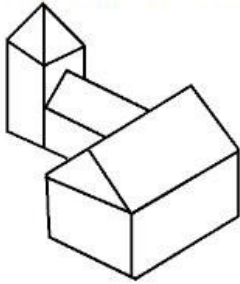

Question:

A	
B	
C	
D	

Q:68
Topic Name: Aptitude Test – Part II

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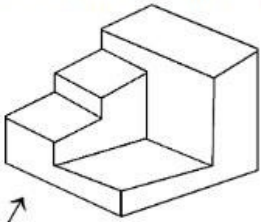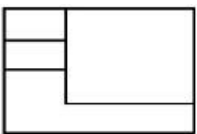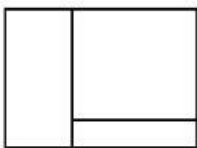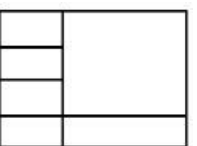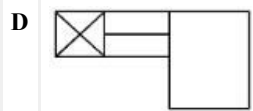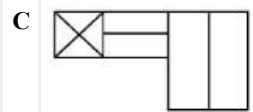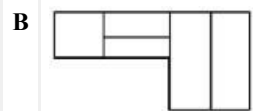

Question:

|	
A	
B	
C	
D	
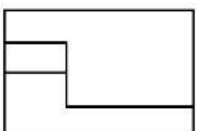
Q:69
Topic Name: Aptitude Test – Part II

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:

A

B

C

D
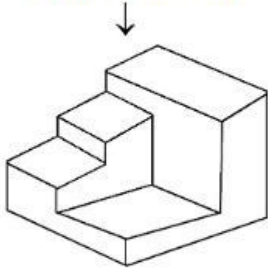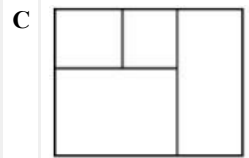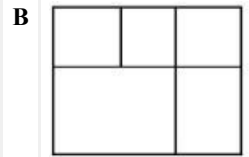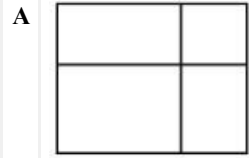
Q:70
Topic Name: Aptitude Test – Part II

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: ↗

A

B

C

D

Q:71
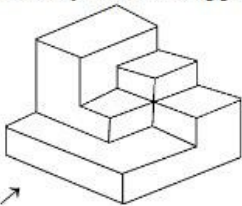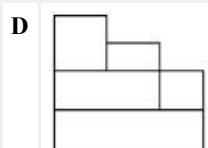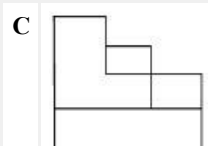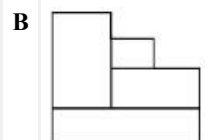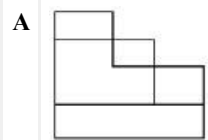
ItemCode:41271

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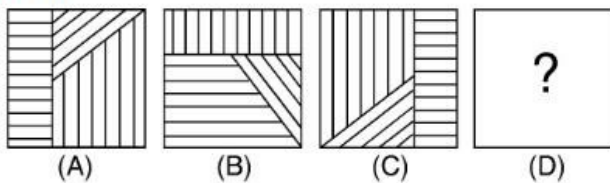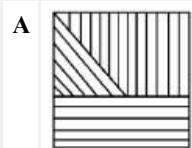
↓

Question:

A

B

C

D

Q:72
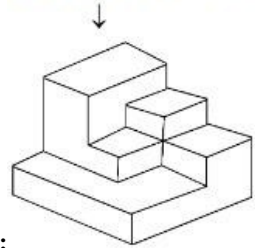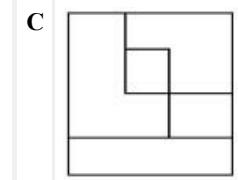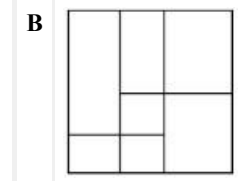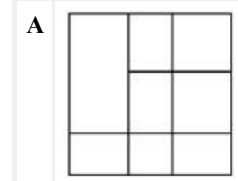
ItemCode:41272

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

↓

Question:

A

B

C

D
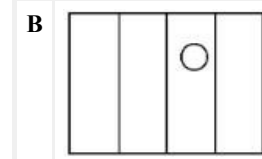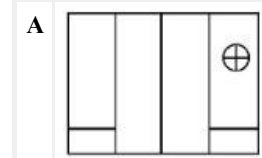
Q:73
Topic Name: Aptitude Test – Part II

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:

A

B

C

D

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:

A

B

C

D

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:

A

B

C

D
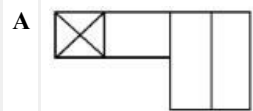
Q:76

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.

(A)   (B)   (C)   (D)

Question:

A

B

C

D
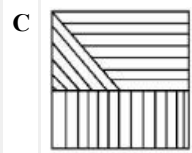
Q:77
Topic Name: Aptitude Test – Part II

ItemCode:41277

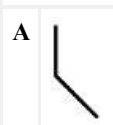Which of the following answer figures will perfectly interlock with the bottom of the question figure.

Question:

A

B

C

D
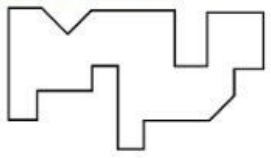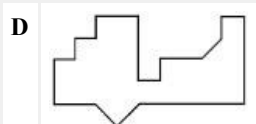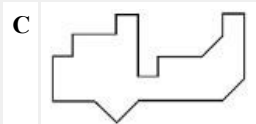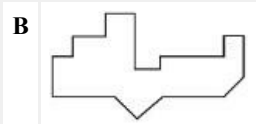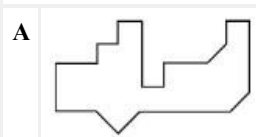
Q:78
Topic Name: Aptitude Test – Part II

ItemCode:41278

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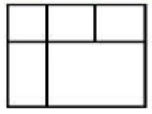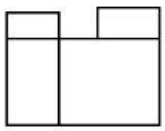
Question:

A

B

C
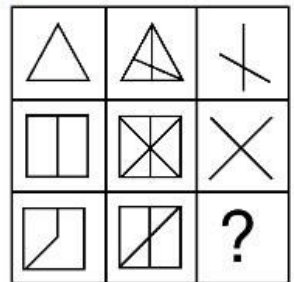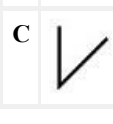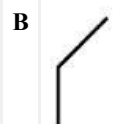
D
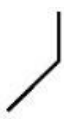
Q:79
Topic Name: Aptitude Test – Part II

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.
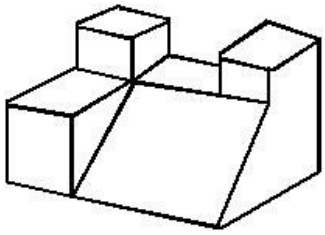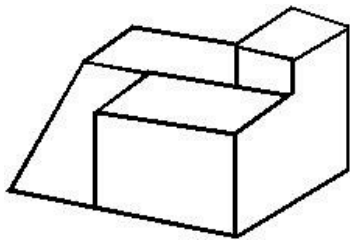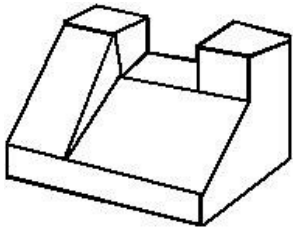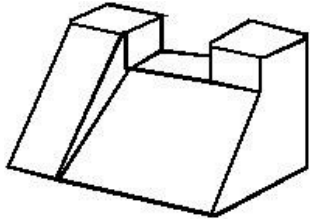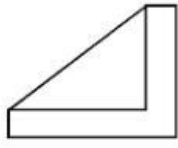

TOP
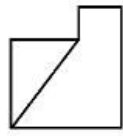
FRONT   RIGHT SIDE

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.
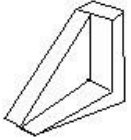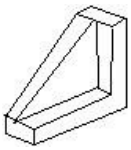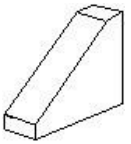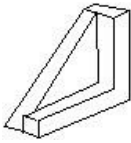
TOP

Question: FRONT   RIGHT SIDE

A	
B	
C	
D	

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.
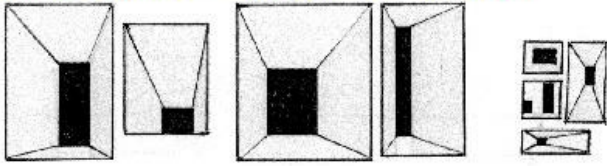
Question:

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: