

Passage: Passage_English

Q:1

Topic Name: Mathematics – Part I-Section A

ItemCode: 100401

Question: The set $\left\{ \theta : \frac{\pi}{2} \leq \theta \leq \frac{3\pi}{2}, \theta \neq \pi, \cot^2 \theta + 3 \operatorname{cosec} \theta + 3 < 0 \right\}$ is equal to :

A $\left(\frac{\pi}{2}, \frac{4\pi}{3} \right) - \{\pi\}$

B $\left(\frac{7\pi}{6}, \frac{3\pi}{2} \right)$

C $\left(\frac{4\pi}{3}, \frac{3\pi}{2} \right)$

D $\left(\pi, \frac{7\pi}{6} \right)$

Q:2

Topic Name: Mathematics – Part I-Section A

ItemCode: 100402

Let $f : \mathbf{R} - \{4\} \rightarrow \mathbf{R} - \{1\}$ and $g : \mathbf{R} \rightarrow \mathbf{R}$ be defined by $f(x) = \frac{x}{x-4}$ and $g(x) = 4x + 3$.

Question: If $(f \circ g)^{-1}(\alpha) = 0$ for some α , then $\frac{g(\alpha)}{f(\alpha)}$ is equal to :

A 21

B -21

C $\frac{-1}{21}$

D 7

Q:3

Topic Name: Mathematics – Part I-Section A

ItemCode: 100403

The sum of the modulus of all the roots of the equation $(x-1)(x+1)(2x+1)(2x-3) = 15$

Question: is :

A $\frac{55}{8}$

B $\frac{9}{2}$

C $\frac{11}{2}$

D $\frac{23}{2}$

Q:4

Topic Name: Mathematics – Part I-Section A

ItemCode:100404

The locus of complex number $z = x + iy$, $z \neq -2i$, satisfying $\left| \frac{z - 3i}{z + 2i} \right| = \frac{\sqrt{2}}{\sqrt{3}}$ is :

Question:

A a straight line parallel to the x -axis

B an ellipse with eccentricity $\sqrt{\frac{2}{3}}$

C a circle with centre $(0, -13)$

D a circle with radius $5\sqrt{6}$

Q:5

Topic Name: Mathematics – Part I-Section A

ItemCode:100405

For two 3×3 matrices A and B , $AB = BA$. Consider the following two statements :

(S1) If A^3 is skew-symmetric and B^2 is symmetric, then $(AB)^6$ is symmetric.

(S2) If A^3 is symmetric and B^2 is skew-symmetric, then $(AB)^6$ is skew-symmetric.

Question:

A Both (S1) and (S2) are true

B Only (S1) is true

C Only (S2) is true

D Both (S1) and (S2) are false

Q:6

Topic Name: Mathematics – Part I-Section A

ItemCode:100406

Let $\lambda, \mu \in \mathbf{R}$. For which one of the following ordered pairs (λ, μ) , the system

$$3x - y + z = 1$$

$$2x - 3y + \lambda z = \mu$$

$$x + y + 3z = -1$$

Question: has no solution ?

A $(-4, 1)$

B $(4, 3)$

C $(-4, 3)$

D $(4, 1)$

Q:7

ItemCode:100407

There are 21 terms in a sequence S of which the first 11 terms form an A.P. with common difference 2 and the last 11 terms are in a G.P. with common ratio $\frac{1}{2}$. If the middle terms of

Question: both A.P. and G.P. are same, then the 11th term of S is :

A $\frac{320}{31}$

B $\frac{160}{31}$

C $\frac{160}{63}$

D $\frac{64}{33}$

Q:8

Topic Name: Mathematics – Part I-Section A

ItemCode:100408

Question: $\lim_{x \rightarrow \infty} x \log_e \left(e \left(1 + \frac{1}{x} \right)^{1-x} \right)$ is equal to :

A $\frac{1}{2}$

B $\frac{2}{3}$

C $\frac{3}{2}$

D 1

Q:9

Topic Name: Mathematics – Part I-Section A

ItemCode:100409

Question: If $y\sqrt{x^2 + 1} = \log_e (\sqrt{x^2 + 1} - x)$, then :

A $(x^2 + 1)y' + xy - 1 = 0$

B $(x^2 + 1)y'' + 3xy' + y = 0$

C $(x^2 + 1)y'' + xy' - y = 0$

D $(x^2 + 1)y' + 2xy + 1 = 0$

Q:10

Topic Name: Mathematics – Part I-Section A

ItemCode:100410

Consider the following statements

$$(S1) \quad 1 \cdot 2 + 2 \cdot 3 + 3 \cdot 4 + \dots + n \cdot (n+1) \leq \frac{n(n^2 + 40)}{10}$$

$$(S2) \quad 1 \cdot 3 + 3 \cdot 5 + 5 \cdot 7 + \dots + (2n-1) \cdot (2n+1) \leq \frac{4n^2(2n+3)}{5}$$

Question: Then, for any $n \in \mathbb{N}$,

- A both (S1) and (S2) are true
- B both (S1) and (S2) are false
- C only (S1) is true
- D only (S2) is true

Q:11

Topic Name: Mathematics – Part I-Section A

ItemCode:100411

The value of the integral $\int_0^1 \tan^{-1}(1 - x + x^2) dx$ is :

Question:

- A $\frac{\pi}{4} - \frac{1}{2} \log_e 2$
- B $\frac{\pi}{2} - \log_e 2$
- C $\log_e 2$
- D $\pi + \log_e 2$

Q:12

Topic Name: Mathematics – Part I-Section A

ItemCode:100412

Let $\vec{a} = x\hat{i} + \hat{j} + \hat{k}$, $\vec{b} = y\hat{i} + 2\hat{k}$ and $\vec{c} = 2\hat{j} + y\hat{k}$ be three vectors such that projection of \vec{a} on \vec{b} is $\frac{4}{\sqrt{5}}$ and projection of \vec{a} on \vec{c} is $\frac{3}{\sqrt{5}}$. If $|\vec{c}| < 3$ and $|\vec{a}| < 6$, then $\vec{a} \cdot (\vec{b} \times \vec{c})$ is equal to :

Question:

- A -7
- B -5
- C 9
- D 16

Q:13

Topic Name: Mathematics – Part I-Section A

ItemCode:100413

A rod of length 11 units moves in such a way that its ends A and B are on the lines $2x - 3y = 0$ and $3x + 2y = 0$, respectively. The mid-point of the rod lies on a :

Question:

- A circle of radius 11 units
- B circle of radius $\frac{11}{2}$ units
- C parabola whose latus rectum is of length 11 units
- D parabola whose latus rectum is of length $\frac{11}{2}$ units

Q:14

Topic Name:Mathematics – Part I-Section A

ItemCode:100414

Consider the following differential equation

$$\frac{dy}{dx} = \frac{e^{2y} + x^2}{x^3}, x > 0.$$

Question: If $y(e) = 1$, then $y(1)$ is equal to :

- A $-\frac{3}{2}$
- B $\log_e(\sqrt{3})$
- C $\log_e\left(\frac{1}{\sqrt{5}}\right)$
- D $\log_e\left(\frac{1}{\sqrt{3}}\right)$

Q:15

Topic Name:Mathematics – Part I-Section A

ItemCode:100415

A light ray is thrown from the point $(2, 0)$. After reflecting from y -axis at $(0, 2)$, if this ray divides the line segment of the line $x + y = 3$ in the first quadrant in the ratio $m : n$ ($m < n$),

Question: then $\frac{2n - m}{2n + m}$ is equal to :

- A $\frac{9}{11}$
- B $\frac{11}{13}$
- C $\frac{5}{7}$

D $\frac{2}{3}$

Q:16

Topic Name: Mathematics – Part I-Section A

ItemCode:100416

The distance between the two points on the hyperbola $x^2 - y^2 = 60$, where the tangents are parallel to the line $y = 2x$, is :

Question:

A $6\sqrt{10}$

B 20

C 10

D $10\sqrt{2}$

Q:17

Topic Name: Mathematics – Part I-Section A

ItemCode:100417

Let Q be the mirror image of the point (2, 3, 4) with respect to the plane $2x - y + z + 4 = 0$.

Question: Then Q lies on :

A $x - y + 3z + 5 = 0$

B $x + 2y + 3z - 10 = 0$

C $\frac{x - 6}{5} = y - 8 = \frac{z - 5}{2}$

D $\frac{x + 6}{5} = y + 8 = \frac{z + 5}{3}$

Q:18

Topic Name: Mathematics – Part I-Section A

ItemCode:100418

For some $p \in \mathbf{R}$, let the line $(L_1) \frac{x - 1}{2} = \frac{y - 1}{p} = \frac{z - 2}{2}$ intersect the line L_2 passing through

the point A(1, 2, 0) and parallel to the plane $x + y + z = 1$. If L_1 lies on the plane $2x + 3y - 4z = 3$, then the line L_2 is :

Question:

A $\frac{8x - 5}{-3} = \frac{4y - 3}{-5} = \frac{8z - 13}{13}$

B $\frac{4x - 5}{1} = \frac{2y - 3}{-1} = \frac{4z - 13}{13}$

C $\frac{8x - 5}{3} = \frac{4y - 3}{5} = \frac{4z - 13}{-13}$

D $\frac{8x + 5}{-13} = \frac{4y + 3}{-11} = \frac{8z - 13}{13}$

Q:19

Topic Name: Mathematics – Part I-Section A

ItemCode: 100419

Let the mean of the data 2, 6, 12, 8, k, 20 be 12. If m and σ^2 are the mean deviation about the median and the variance of the data respectively, then $\frac{\sigma^2}{m}$ is equal to :

Question:

- A 9
B 10
C 12
D 18

Q:20

Topic Name: Mathematics – Part I-Section A

ItemCode: 100420

The negation of $(p \rightarrow \sim p) \wedge ((\sim q) \rightarrow q)$ is equivalent to :

Question:

- A $(\sim p) \rightarrow q$
B $p \rightarrow q$
C $(\sim p) \rightarrow (\sim q)$
D $p \rightarrow \sim q$

Q:21

Topic Name: Mathematics – Part I-Section B

ItemCode: 100421

Let $\binom{n}{k}$ denote the number of ways of choosing k objects out of n distinct objects.

If $\sum_{k=1}^{20} \binom{20}{k} \binom{20}{k-1} (-1)^k + \sum_{k=0}^{20} \binom{20}{k}^2 (-1)^k + \sum_{k=0}^{21} \binom{21}{k}^2 (-1)^k = p \binom{19}{10}$, then $p^2 - p$ is equal to

Question: _____.

Q:22

Topic Name: Mathematics – Part I-Section B

ItemCode: 100422

If the largest area of a rectangle inscribed in an equilateral triangle, such that a side of the rectangle is on a side of the triangle, is $\frac{25}{2}\sqrt{3}$ unit², then the perimeter (in units) of the triangle

Question: is _____.

Q:23

Topic Name: Mathematics – Part I-Section B

ItemCode:100423

Let $[t]$ denote the greatest integer less than or equal to t . The number of points where the

function. $f(x) = \begin{cases} x^2 + 2x + 2 & \text{if } x \leq -1 \\ \left[x^2 + \frac{1}{4}x + \frac{5}{3} \right] & \text{if } -1 < x < 1 \\ x^2 - 2x + 4 & \text{if } x \geq 1 \end{cases}$ is not continuous, is _____.

Question:

Q:24

Topic Name:Mathematics – Part I-Section B

ItemCode:100424

The number of 6-digit numbers formed by using all the digits 1, 3, 4, 5, 6, 8 and divisible by

11, is _____.

Question:

Q:25

Topic Name:Mathematics – Part I-Section B

ItemCode:100425

Let two elements $(a, b), (c, d)$ be selected randomly from the Set

$$S = \{(m, n) : m, n \in \{1, 2, \dots, 10\}, m \neq n\}.$$

If the probability that $a + b = c + d$ is p , then $(45)^2 p$ is equal to :

Question:

Q:26

Topic Name:Mathematics – Part I-Section B

ItemCode:100426

If the length of a common tangent to $x^2 + y^2 = 16$ and $9x^2 + 25y^2 = 225$, between the points of contact is L , then $32L^2$ is equal to _____.

Question:

Q:27

Topic Name:Mathematics – Part I-Section B

ItemCode:100427

Let $f_n(x) = \sum_{j=1}^n \cot^{-1} (1 - (x+j) + (x+j)^2)$ for all $x \geq 0$. Then $\sum_{j=1}^{10} (j^2 + 1) \sin^2(f_j(0))$ is equal to

Question: _____.

Q:28

Topic Name:Mathematics – Part I-Section B

ItemCode:100428

If the area enclosed by the curves $y = 2x^2 - 1$ and $|x| = 3 - 2y$ is A , then $12A$ is equal to

Question: _____.

Q:29

Topic Name:Mathematics – Part I-Section B

ItemCode:100429

If the roots of the equation $x^2 + (\sqrt{3} - \sqrt{2} - 1)x + (\sqrt{3} - 2 - \sqrt{6} + 2\sqrt{2}) = 0$ are

$\tan \frac{A}{2}$ and $\tan \frac{B}{2}$, $0 < A, B < \pi$, then the value of $12 \sec^2 4(A + B)$ is equal to _____.

Question:

Q:30

Topic Name: Mathematics – Part I-Section B

ItemCode:100430

The value of $2 \int_{-1}^4 (|x - 3| + [x]) dx$, where $[x]$ denotes the greatest integer less than or equal to

Question: x , is _____.

Q:31

Topic Name: Aptitude Test – Part II

ItemCode:100431

Question: Which of the following architect is famous for working with bricks and mud ?

- A Zaha Hadid
- B Laurie Baker
- C Christopher Benninger
- D Frank Loyd Wright

Q:32

Topic Name: Aptitude Test – Part II

ItemCode:100432

An office building was built with of 10 floors. It's ground floor is having height of 4 m including slab thickness and all other floors are of 3500 mm height including slab thickness.

Question: What is the total height of the building in meters :

- A 35 meters
- B 31.5 meters
- C 35.5 meters
- D 39 meters

Q:33

Topic Name: Aptitude Test – Part II

ItemCode:100433

Match List-I with List-II :

List-I

List-II

- | | |
|---------------------|--------------------------|
| (A) Amer fort | (I) Chand Minar |
| (B) Agra fort | (II) Intricate Jali Work |
| (C) Qutub minar | (III) Pietra Dura Work |
| (D) Daulatabad fort | (IV) Tapering Tower |

Question:

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

Q:34

Topic Name: Aptitude Test – Part II

ItemCode: 100434

Question: Name the three primary colours in the colour wheel :

- A Red, Orange and Yellow
- B Green, Orange and Yellow
- C Red, Yellow and Blue
- D Blue, Purple and Orange

Q:35

Topic Name: Aptitude Test – Part II

ItemCode: 100435

Question: Ajanta and Ellora in Aurangabad district of Maharashtra state are famous for _____.

- A Intricate carvings of Hindu temples
- B Mountains
- C Rock cut caves
- D Forest

Q:36

Topic Name: Aptitude Test – Part II

ItemCode: 100436

Match the Honorific given to the freedom fighters in **List-I** with their names in **List-II** :

List-I

List-II

- | | |
|-----------------------|---------------------------|
| (A) Netaji | (I) Vallabhbhai Patel |
| (B) Punjab Kesari | (II) Subhash Chandra Bose |
| (C) Iron man of India | (III) Nana Patil |
| (D) Krantisinh | (IV) Lala Lajpat Rai |

Question: Choose the **correct** answer from the options given :

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

Q:37

Topic Name: Aptitude Test – Part II

ItemCode: 100437

Question: Harappa and Mohenjodaro of Indus Valley are situated in which country as per current world map ?

- A Pakistan
- B Afganistan

C Bangla Desh

D Nepal

Q:38

Topic Name:Aptitude Test – Part II

ItemCode:100438

Question: Which of the following famous architect has designed the university of Agriculture and science at Bangalore ?

A Achyut Purshottam Kanvinde

B Sanjay Puri

C Laurie Baker

D Anant Raje

Q:39

Topic Name:Aptitude Test – Part II

ItemCode:100439

Question: If the distance between two points on a map measures 10 cm. If the scale of given map is 1 : 500, what is the actual distance between these two points on ground :

A 50 cm

B 25 cm

C 50 m

D 25 m

Q:40

Topic Name:Aptitude Test – Part II

ItemCode:100440

Question: These days Green Architecture is promoted because :

A It costs less initially

B It lasts longer

C It uses good colours

D It is environment friendly

Q:41

Topic Name:Aptitude Test – Part II

ItemCode:100441

Question: The growth of London city happened along which river ?

A River Nile

B River Thames

C River Mekong

D River Great Ouse

Q:42

ItemCode:100442

Who has designed the famous “Chhatrapati Shivaji Maharaj Vastu Sangrahalaya” at Mumbai ?

- A George Wittet
- B James Miller
- C William Young
- D Robert Mylne

Q:43

Topic Name: Aptitude Test – Part II

ItemCode:100443

Who is the painter of the famous painting Bharat Mata ?

- A Raja Ravi Verma
- B Nandalal Bose
- C Abanindranath Tagore
- D Ravindranath Tagore

Q:44

Topic Name: Aptitude Test – Part II

ItemCode:100444

The hanging gardens of babylon is presently located in which of the following country ?

- A UAE
- B Iran
- C Turkey
- D Iraq

Q:45

Topic Name: Aptitude Test – Part II

ItemCode:100445

Which of the following Indian City’s planning is based on ‘Vastu Purusha Mandla’ method of planning ?

- A Varanasi
- B Rajkot
- C Jaipur
- D Tirupati

Q:46

Topic Name: Aptitude Test – Part II

ItemCode:100446

The world heritage site of Bhimbetka is situated in which State of India ?

- A Uttarakhand
- B Andhra Pradesh
- C Madhya Pradesh
- D Odisha

Q:47

Topic Name:Aptitude Test – Part II

ItemCode:100447

Question: Gobind Sagar Lake is located in which of the following State of India ?

- A Gujarat
- B Himachal Pradesh
- C Uttar Pradesh
- D Rajasthan

Q:48

Topic Name:Aptitude Test – Part II

ItemCode:100448

Question: 'ADFF' is the abbreviation of _____.

- A Architecture & Design Film Festival
- B Architecture, Design & Fashion Festival
- C Architectural Design Forum for Faculties
- D Art & Design Forum of Faculties

Q:49

Topic Name:Aptitude Test – Part II

ItemCode:100449

Question: Which of the following celebrity actor was part of the award winning movie "Which Annie Gives It those ones", which was based on life of student of architecture ?

- A Amir Khan
- B Shah Rukh Khan
- C Salman Khan
- D Akshay Kumar

Q:50

Topic Name:Aptitude Test – Part II

ItemCode:100450

Question: Cool colours in the colour wheel can represent :

- A Sunlight
- B Heat
- C Sky
- D Darkness

Q:51

Topic Name:Aptitude Test – Part II

ItemCode:100451

Match the **List-I** with **List-II** :

List-I

List-II

- | | |
|--------------------------|-------------------------|
| (A) City of Sky Scrapers | (I) Beijing, China |
| (B) Cockpit of Europe | (II) San Francisco, USA |
| (C) Forbidden City | (III) New York, USA |
| (D) City of Golden Gate | (IV) Belgium |

Question:

- | | |
|---|--|
| A | (A)-(III), (B)-(IV), (C)-(II), (D)-(I) |
| B | (A)-(III), (B)-(IV), (C)-(I), (D)-(II) |
| C | (A)-(II), (B)-(IV), (C)-(I), (D)-(III) |
| D | (A)-(IV), (B)-(III), (C)-(II), (D)-(I) |

Q:52

Topic Name:Aptitude Test – Part II

ItemCode:100452

Given below are the names of UNESCO world heritage sites of India. Choose the correct sequence year wise in which they are declared as a UNESCO world heritage sites.

- (A) Sun Temple, Konark
- (B) Humayun's Tomb, Delhi
- (C) Ajanta Caves, Maharashtra
- (D) Fatehpur Sikri, Agra
- (E) Jantar Mantar, Jaipur

Question:

- | | |
|---|---------------------|
| A | (E)-(B)-(D)-(C)-(A) |
| B | (C)-(B)-(A)-(D)-(E) |
| C | (C)-(A)-(D)-(B)-(E) |
| D | (D)-(A)-(C)-(E)-(B) |

Q:53

Topic Name:Aptitude Test – Part II

ItemCode:100453

Match the **List-I** with **List-II** :

List-I

List-II

- | | |
|--------------------------|---------------|
| (A) Nahargarh Fort | (I) Hyderabad |
| (B) Lakshmi Vilas Palace | (II) Jodhpur |
| (C) Chowmahalla Palace | (III) Jaipur |
| (D) UMAID Bhawan Palace | (IV) Vadodra |

Question:

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

Q:54

Topic Name:Aptitude Test – Part II

ItemCode:100454

Match the List-I with List-II :

List-I

List-II

- | | |
|------------------------|-----------------------------|
| (A) Aravali Range | (I) Southern Part of India |
| (B) Sirumali Hills | (II) Western Part of India |
| (C) Zask Range | (III) Eastern Part of India |
| (D) Garo Khasi Jaintia | (IV) Northern Part of India |

Question:

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

Q:55

Topic Name:Aptitude Test – Part II

ItemCode:100455

Match the List-I with List-II :

List-I

List-II

- | | |
|------------------------|-------------------------------|
| (A) Sibsagar Temple | (I) Haveri, Karnataka |
| (B) Lakshmana Temple | (II) Assam |
| (C) Dashavatara Temple | (III) Lalitpur, Uttar Pradesh |
| (D) Siddeshvara Temple | (IV) Khajuraho |

Question:

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

Q:56

Topic Name:Aptitude Test – Part II

ItemCode:100456

Given below are two statements :

Statement - I : Loktak Lake is famous for its floating village.

Statement - II : Loktak Lake is very rich in Biodiversity.

In the light of the above statements, choose the **most appropriate** answer from the options given below.

Question:

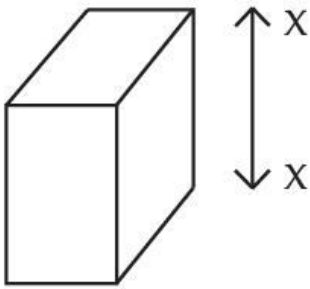
- A Both **Statement I** and **Statement II** are correct
- B Both **Statement I** and **Statement II** are incorrect
- C **Statement I** is correct but **Statement II** is incorrect
- D **Statement I** is incorrect but **Statement II** is correct

Q:57

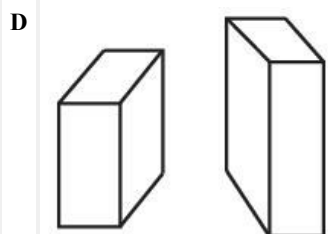
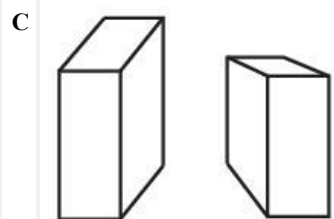
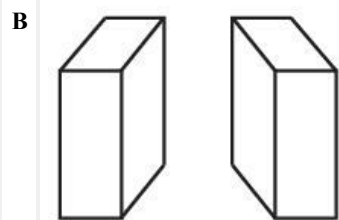
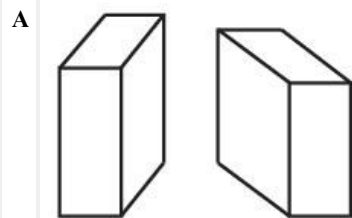
Topic Name:Aptitude Test – Part II

ItemCode:100457

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



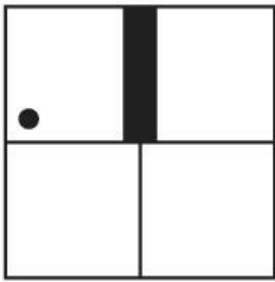
Question:



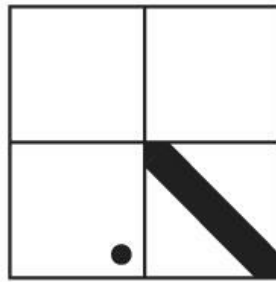
Q:58

ItemCode: 100458

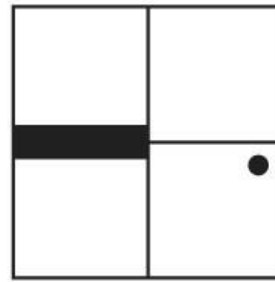
Question figure A, B and C shows series of configuration. Select the **correct** option from answer figure which will be best suitable for figure 'D' :



A



B

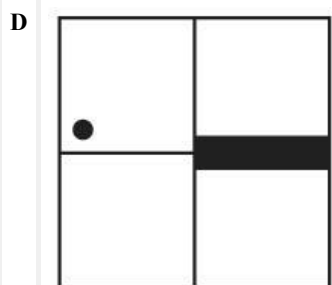
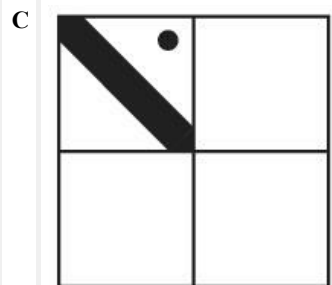
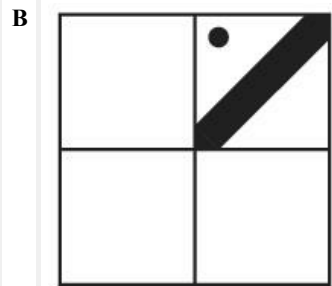
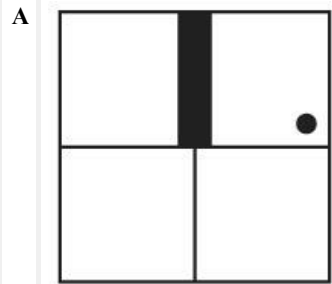


C



D

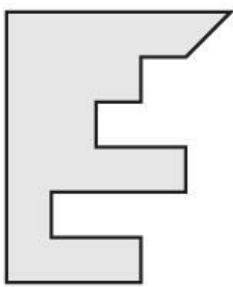
Question:



Q:59

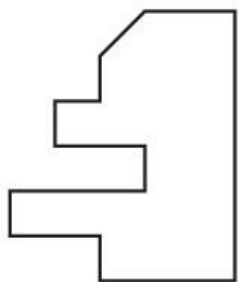
ItemCode:100459

Given image in question figure is part of a square. Which of the following answer figure fit perfectly on it's right such that it will complete the square ?

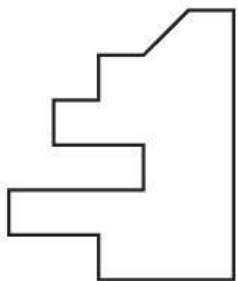


Question:

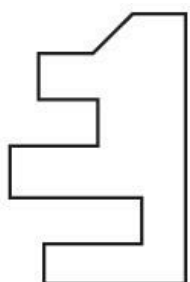
A



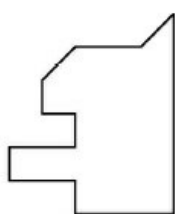
B



C



D

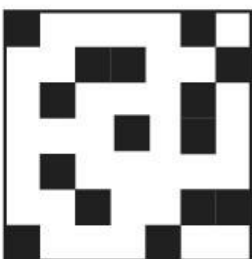


Q:60

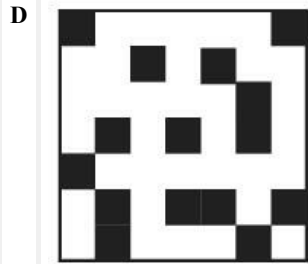
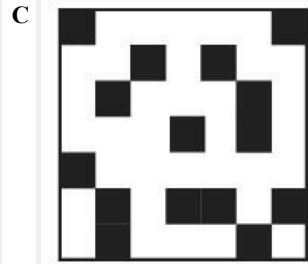
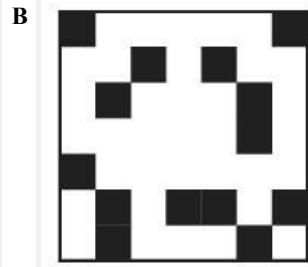
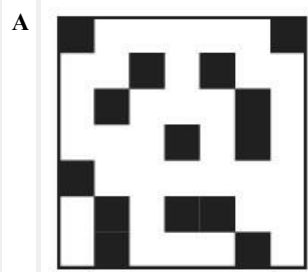
Topic Name:Aptitude Test – Part II

ItemCode:100460

Select the answer figure which shows **correct** view of question figure after rotating it by 90° on it's right.



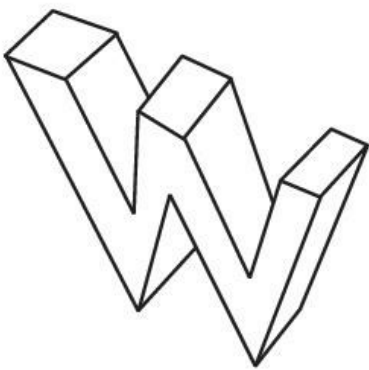
Question:



Q:61
 Topic Name: Aptitude Test – Part II

ItemCode:100461

Identify the number of surfaces in the Figure.



Question:

A 15

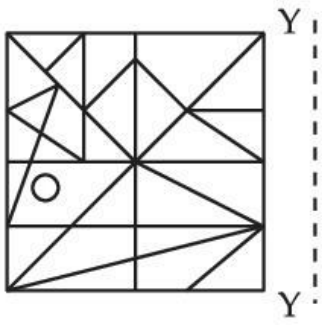
B 21

C 13

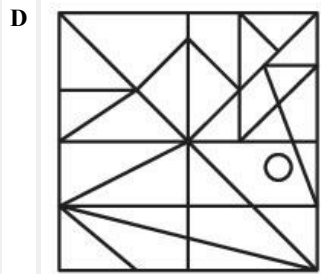
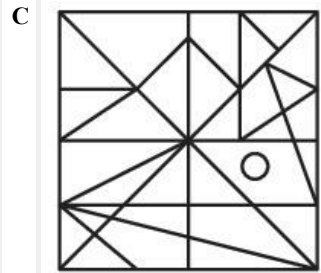
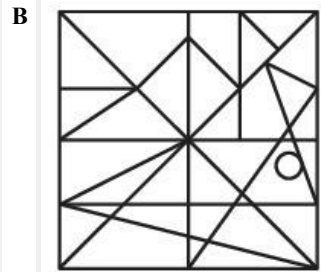
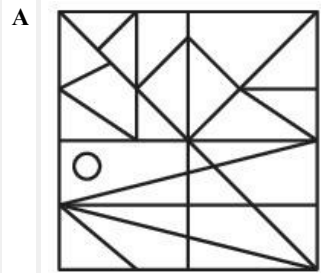
D 19

Q:62
 Topic Name: Aptitude Test – Part II

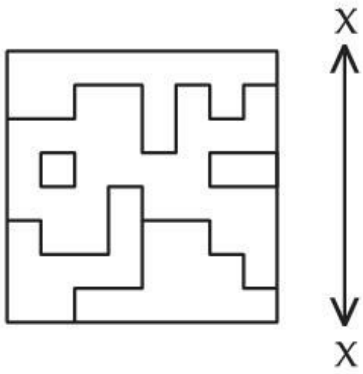
Which of the following answer figure is the **correct** mirror image of the problem figure with respect to Y-Y ?



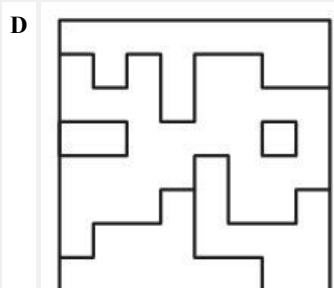
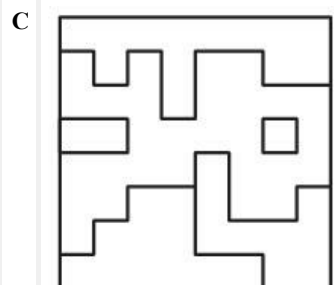
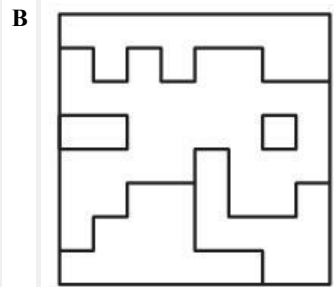
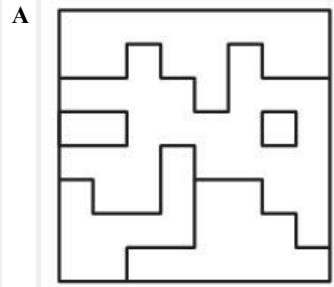
Question:



Which of the following answer figure is the **correct** mirror image of the problem figure with respect to 'X-X' ?

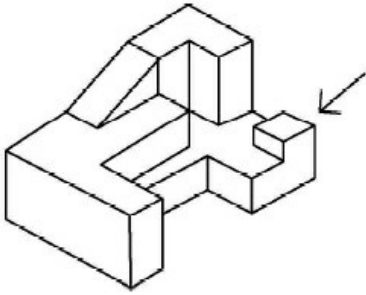


Question:



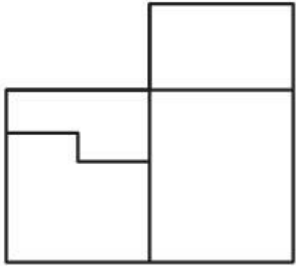
ItemCode:100464

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

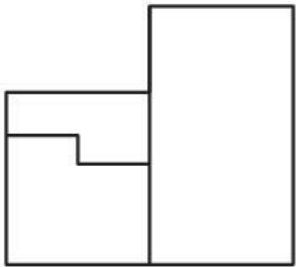


Question:

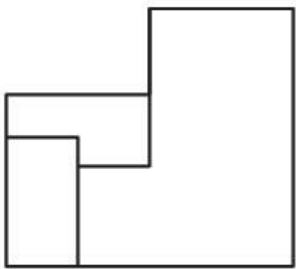
A



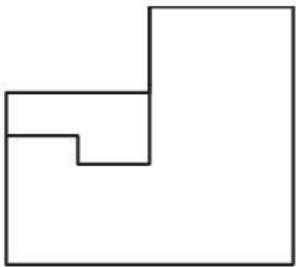
B



C



D

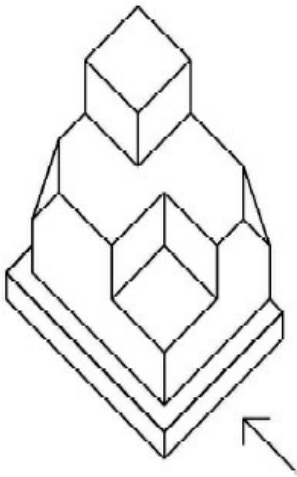


Q:65

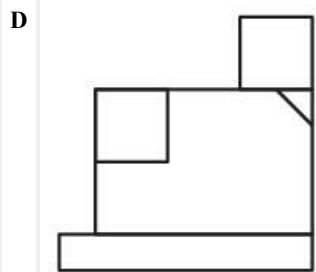
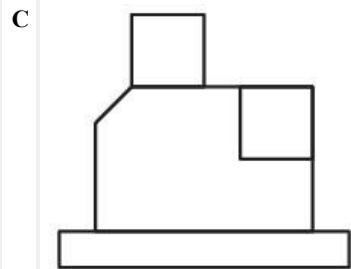
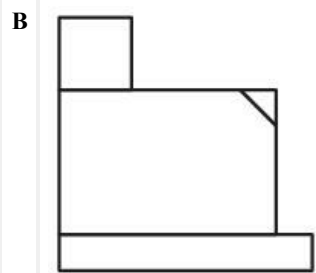
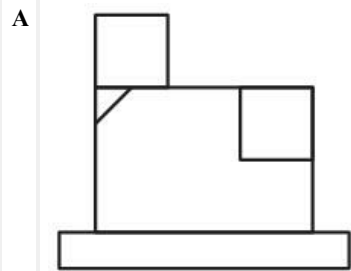
Topic Name: Aptitude Test – Part II

ItemCode:100465

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



Question:

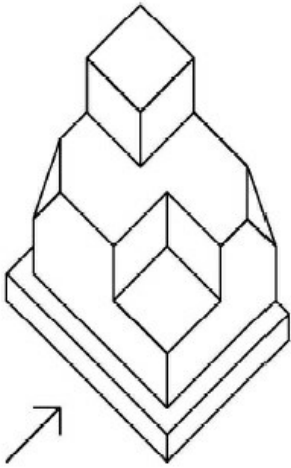


Q:66

Topic Name: Aptitude Test – Part II

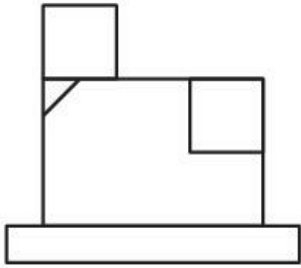
ItemCode:100466

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

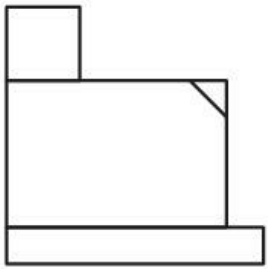


Question:

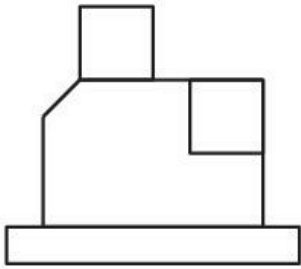
A



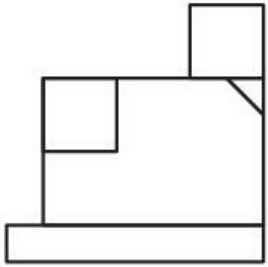
B



C



D

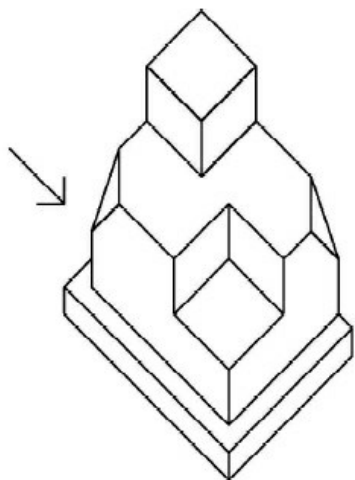


Q:67

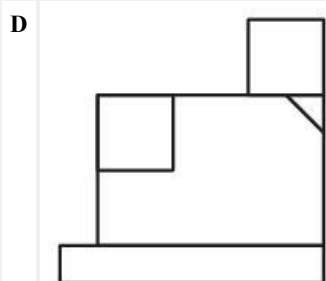
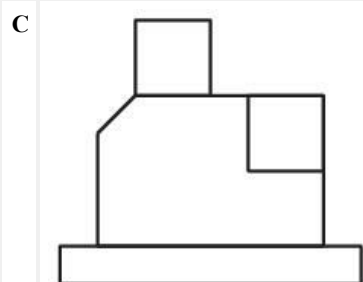
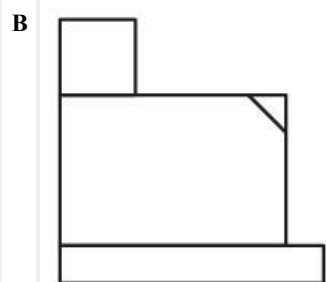
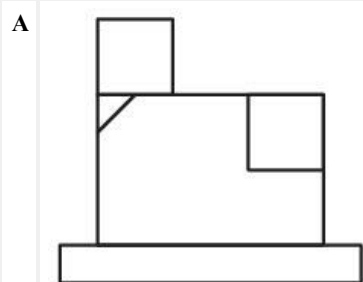
Topic Name: Aptitude Test – Part II

ItemCode:100467

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



Question:

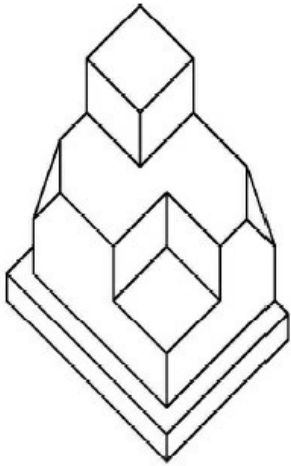


Q:68

Topic Name: Aptitude Test – Part II

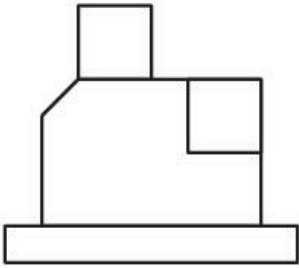
ItemCode:100468

The problem figure shows the 3D view of an object. Identify the **most appropriate** top view, amongst the answer figures.

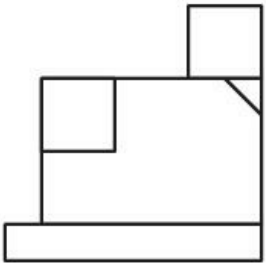


Question:

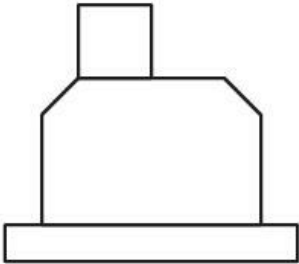
A



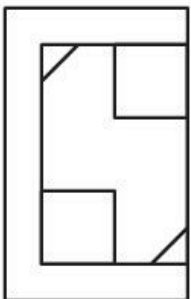
B



C



D

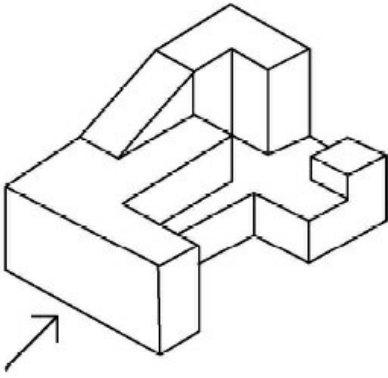


Q:69

Topic Name: Aptitude Test – Part II

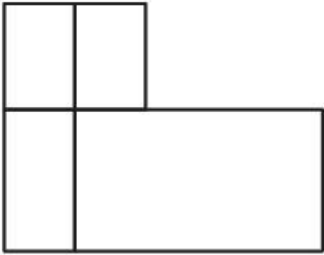
ItemCode:100469

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



Question:

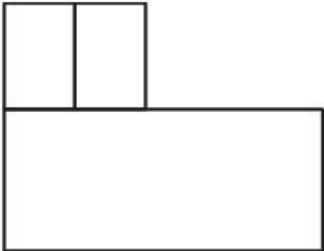
A



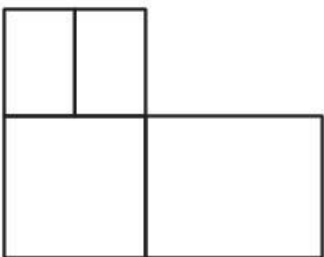
B



C



D

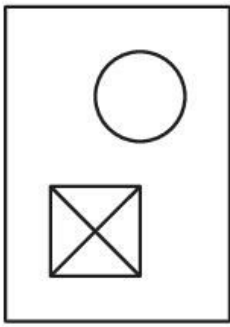


Q:70

Topic Name: Aptitude Test – Part II

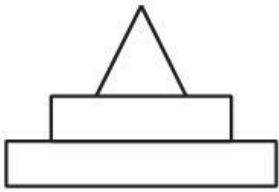
ItemCode:100470

Question image shows the top view of an object. Looking in the direction of arrow, identify the **correct** elevation from answer figures.

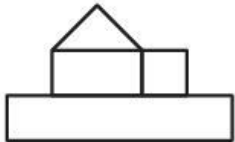


Question:

A



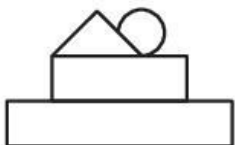
B



C



D



Q:71

Topic Name:Aptitude Test – Part II

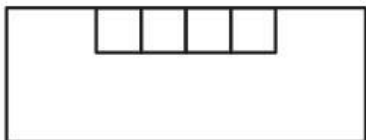
ItemCode:100471

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

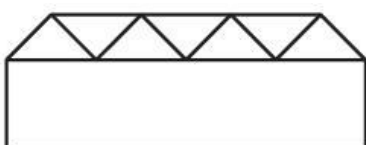


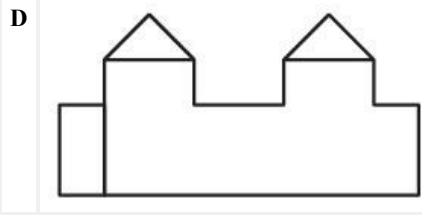
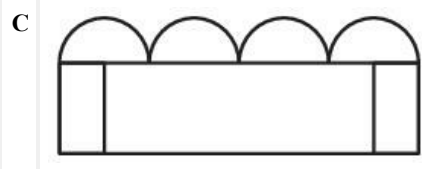
Question:

A



B

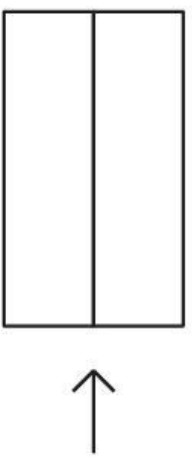




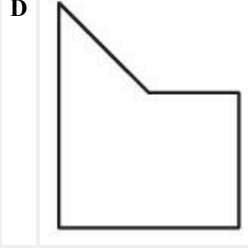
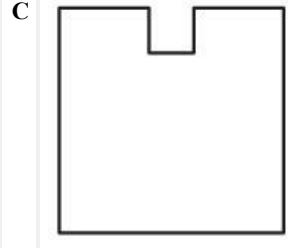
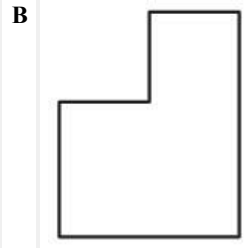
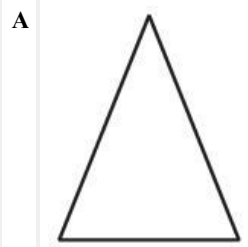
Q:72
Topic Name: Aptitude Test – Part II

ItemCode:100472

Question figure shows plan of an object. Looking in the direction of arrow, identify the 'INCORRECT' option from given possible elevations in answer figures.



Question:

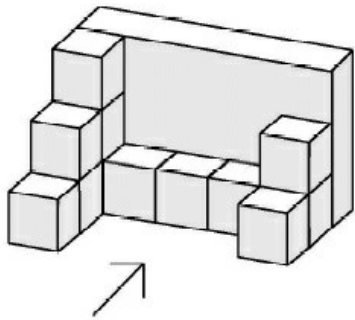


Q:73

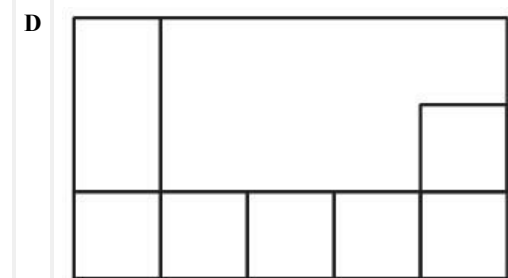
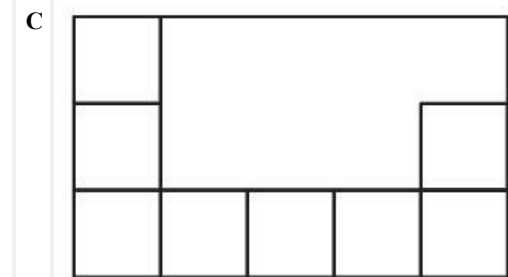
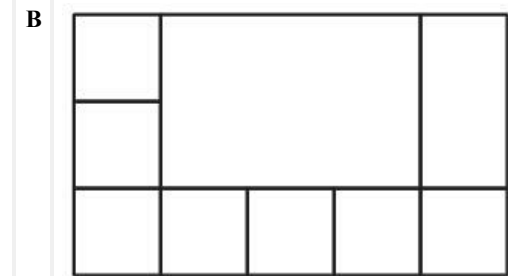
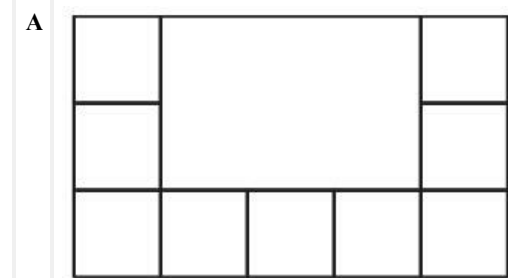
Topic Name:Aptitude Test – Part II

ItemCode:100473

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



Question:

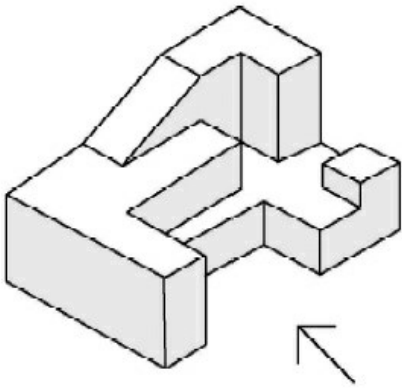


Q:74

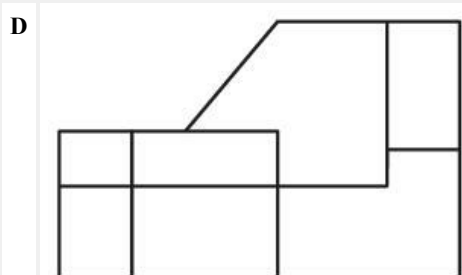
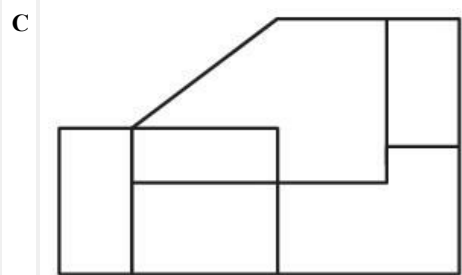
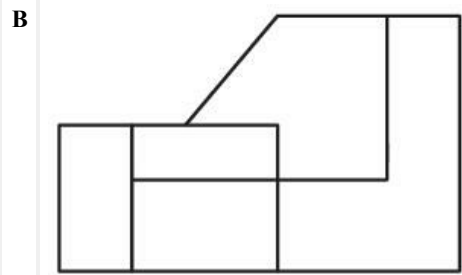
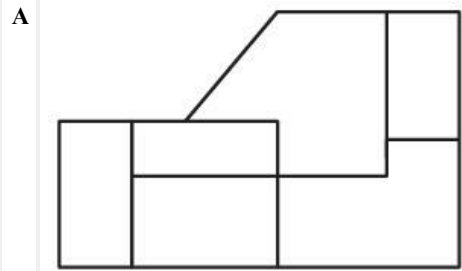
Topic Name:Aptitude Test – Part II

ItemCode:100474

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

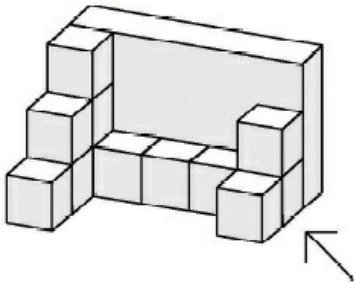


Question:



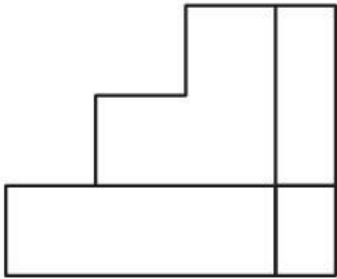
ItemCode:100475

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

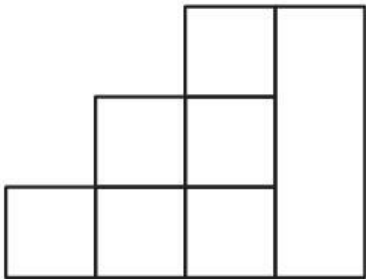


Question:

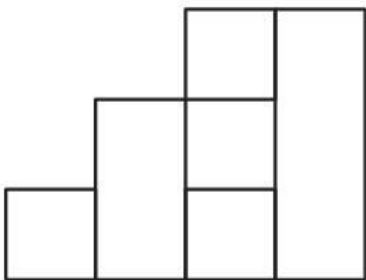
A



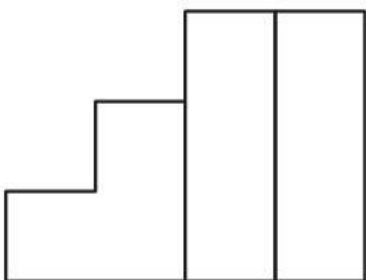
B



C



D

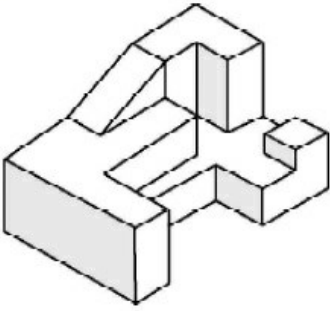


Q:76

Topic Name: Aptitude Test – Part II

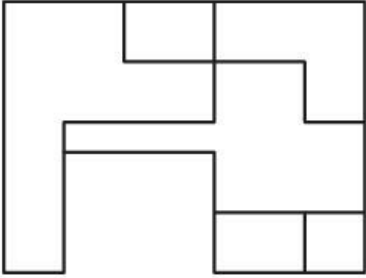
ItemCode:100476

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

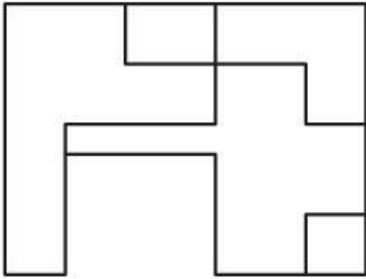


Question:

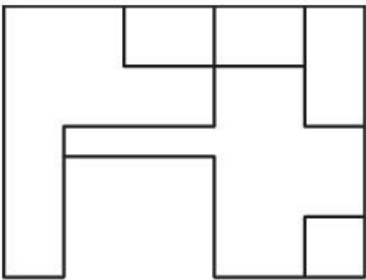
A



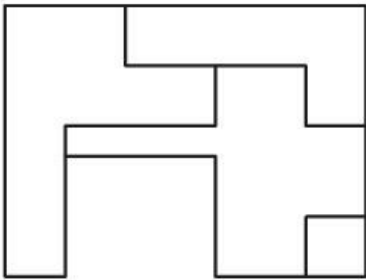
B



C



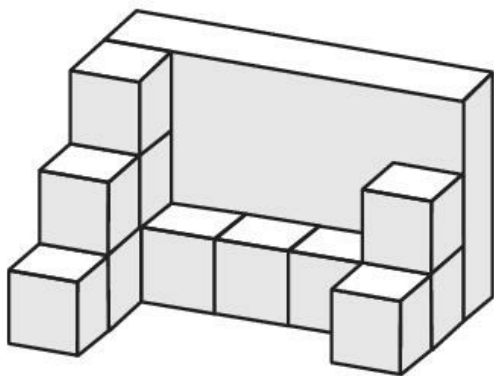
D



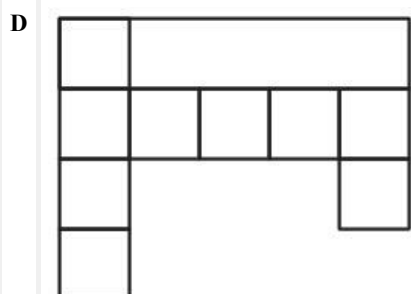
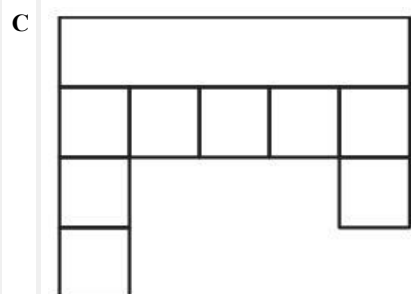
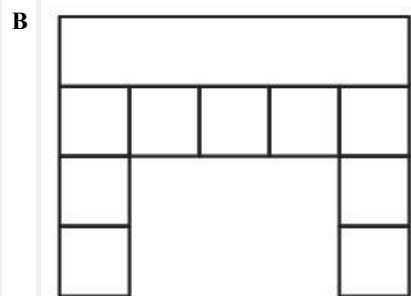
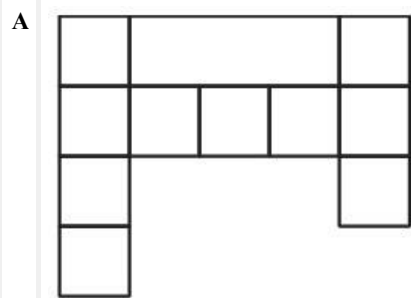
Q:77

Topic Name:Aptitude Test – Part II

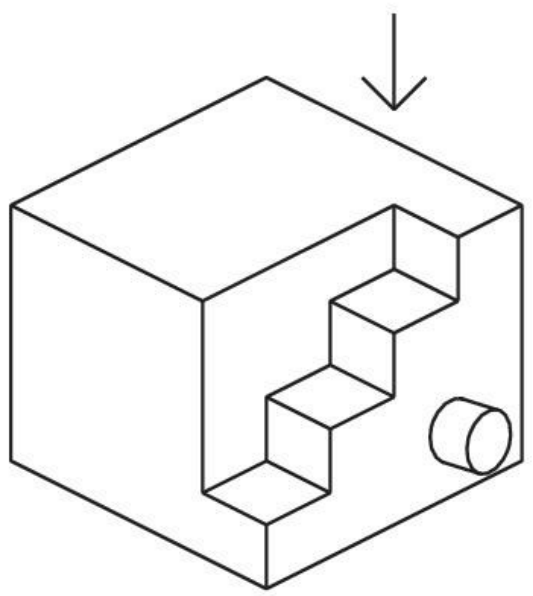
Question figure shows 3D view of an object. Identify the **correct** top view/plan of a given object from answer figures.



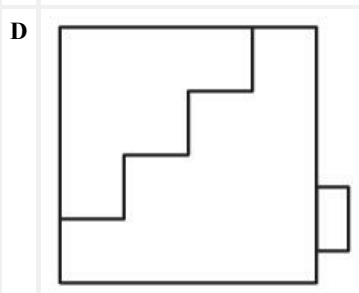
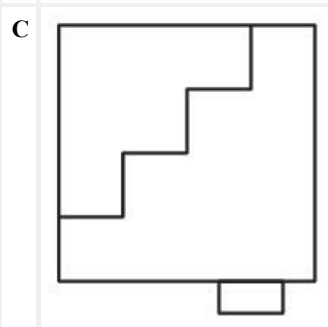
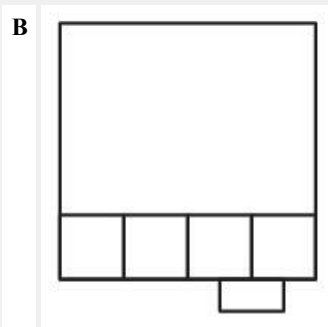
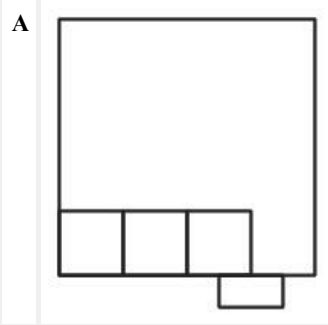
Question:



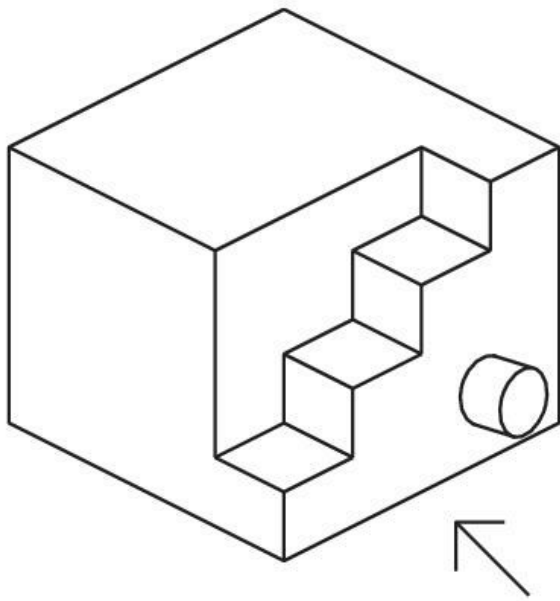
Question figure shows 3D view of an object. Identify the **correct** top view/plan of a given object from answer figures.



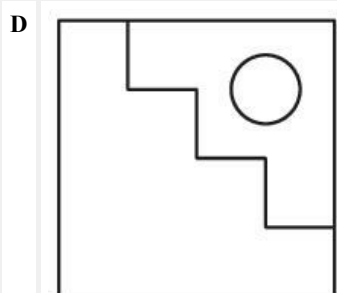
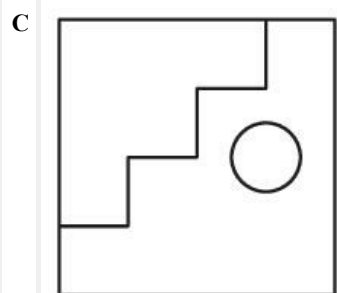
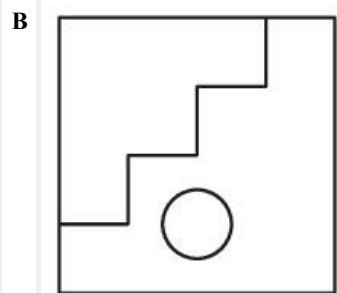
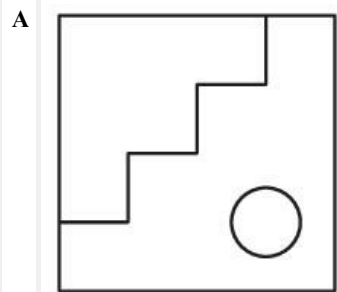
Question:



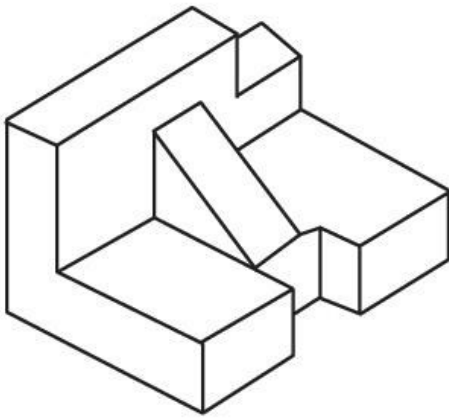
Question figure shows 3D view of an object. Looking in the direction of arrow, identify the correct elevation from given answer figures.



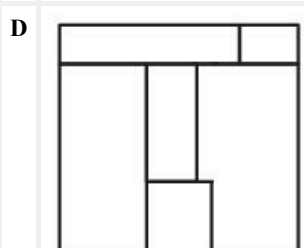
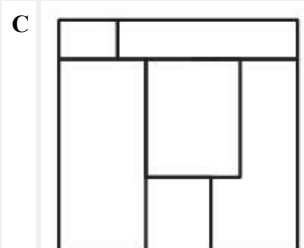
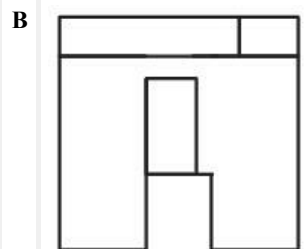
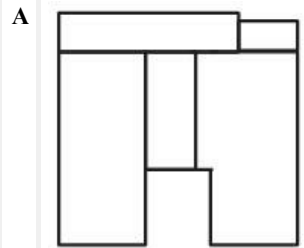
Question:



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



Question:



ItemCode:100506

Draw a proportionate sketch of given reference image. Use black and white rendering techniques of your choice.



Question:

Q:82

Topic Name: Drawing Test – Part III

ItemCode:100507

Attempt any one of the following questions.

(A) Draw a scene of holi festival. Use colours of your choice to render the drawing.

OR

(B) Using triangles and rectangles of your choice, create a composition which may reflect 'RHYTHM'. Colour the composition using 'Cool Colour' scheme.

Question: