JEE April 2019	JEE	Apri	I 201	9
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Roll No.	
Candidate Name	
Application No	
Test Date	07/04/2019
Test Time	2:30 PM - 5:30 PM
Subject	Paper II EH

Section: Mathematics

Q.1 Let AP and BQ be two vertical poles standing on the horizontal ground at two points A and B respectively. If AP = 16 m, BQ = 22 m and AB = 20 m, then the minimum value (in m2) of RP2+RQ2, where R is any point on AB, is:

Options 1. 1048

2. 840

3. 1148

4. 940

Question Type: MCQ

Question ID : 41652915411 Option 1 ID: 41652960336 Option 2 ID: 41652960334 Option 3 ID: 41652960337 Option 4 ID: 41652960335 Status: Answered

Chosen Option: 4

Q.2 Which one of the following statements is a tautology?

Options 1
$$(p \lor q) \land (\sim (p \land q))$$

2
$$(p \wedge q) \vee (\sim (p \vee q))$$

3.
$$q \vee (\sim (p \wedge q))$$

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

Question Type: MCQ

Question ID: 41652915427 Option 1 ID: 41652960400 Option 2 ID: 41652960399 Option 3 ID: 41652960401 Option 4 ID: 41652960398

Status: Answered

Chosen Option: 3

If
$$A^{20} = \begin{bmatrix} a & b \\ c & d \end{bmatrix}$$
, where $A = \begin{bmatrix} 1 & 1 \\ 0 & 2 \end{bmatrix}$,

then a+b+c+d is equal to:

Options _{1. 2}21

- 2. 222
- 3. 219
- 4. 220

Question Type : MCQ

Question ID : 41652915401 Option 1 ID : 41652960296 Option 2 ID : 41652960297 Option 3 ID : 41652960294 Option 4 ID : 41652960295

Status: Answered

Chosen Option : 1

Q.4 The mean deviation about the mean of the data in the following frequency distribution:

x	0	1	2	3
frequency	2	5	4	1

is:

Options

- 1. $\frac{5}{6}$
- 2. $\frac{13}{18}$
- 3. $\frac{4}{3}$
- 4. $\frac{5}{9}$

Question Type : MCQ

Question ID: 41652915424
Option 1 ID: 41652960388
Option 2 ID: 41652960387
Option 3 ID: 41652960386
Option 4 ID: 41652960389
Status: Not Answered

Chosen Option : --

Q.5 A plane passes through the points $(\alpha, 1, 0)$, $(\alpha, 2, 1)$, (-2, 2, -1) and (1, 1, 0) for some $\alpha \in \mathbb{R}$. Then the distance of the point (1, 1, 1) from this plane is :

Options

 $\frac{2}{\sqrt{11}}$

- $2. \frac{5}{\sqrt{11}}$
- 3. $\frac{1}{\sqrt{22}}$
- 4. $\frac{3}{\sqrt{22}}$

Question ID: 41652915420
Option 1 ID: 41652960373
Option 2 ID: 41652960371
Option 3 ID: 41652960370
Option 4 ID: 41652960372
Status: Answered

Chosen Option : 2

Q.6 If tangents are drawn from the point (4, 2) to the hyperbola, $16x^2 - 25y^2 = 400$, then the sum of the reciprocals of the slopes of these tangents is:

Options

- $1. \frac{5}{2}$
- $2. \frac{2}{5}$
- $3. \frac{4}{5}$
- 4. $\frac{4}{5}$

Question Type : \boldsymbol{MCQ}

Question ID: 41652915419
Option 1 ID: 41652960366
Option 2 ID: 41652960367
Option 3 ID: 41652960368
Option 4 ID: 41652960369
Status: Answered
Chosen Option: 3

Q.7 If $S_n = \sum_{r=1}^n T_r = n (n+1) (n+2) (n+3)$,

then $\sum_{r=1}^{10} \frac{1}{T_r}$ is equal to :

- 65 1056
- $2. \frac{75}{1056}$
- 3. $\frac{65}{528}$
- 4. $\frac{58}{528}$

4/14/2019

Question Type: MCQ

Question ID: 41652915406 Option 1 ID: 41652960317

Option 2 ID: 41652960314 Option 3 ID: 41652960316 Option 4 ID: 41652960315

Status: Not Answered

Chosen Option: --

Q.8 Let $\lambda \in \mathbb{R}$ and

$$f(x) = \begin{cases} |\lambda| \ [x+1], & x < -1 \\ -|\lambda|, & x = -1 \\ [\sin(\pi x)] + 2\lambda x, & x > -1 \end{cases}$$

where [t] denotes the greatest integer function. If f(x) is continuous at x = -1, then λ is equal to:

Options 1. 0

2. -1

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

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

Question Type: MCQ

Question ID: 41652915409

Option 1 ID: 41652960328 Option 2 ID: 41652960326

Option 3 ID: 41652960327

Option 4 ID: 41652960329

Status: Answered

Chosen Option: 1

Q.9 If A_0 , A_1 , A_2 , A_3 , A_4 and A_5 are the vertices of a regular hexagon inscribed in a circle of unit radius, then the product of the lengths of the line segments $\mathbf{A}_0\mathbf{A}_1$, $\mathbf{A}_0\mathbf{A}_2$ and $\mathbf{A}_0\mathbf{A}_3$

Options 1. $2\sqrt{3}$

2. $2\sqrt{2}$

 $3. 3\sqrt{3}$

4. 6

Question Type: MCQ

Question ID: 41652915416

Option 1 ID: 41652960357

Option 2 ID: 41652960354

Option 3 ID: 41652960355

Option 4 ID: 41652960356 Status: Answered

Chosen Option: 1

4/14/2019

Two towers AB and CD are standing on a horizontal plane with points A and C on the plane. If AB = 10 m and the angles of elevation of D from A and B are 60° and 15° respectively, then which of the following (in meters) is not true?

Options 1. BD =
$$5\sqrt{3}$$

2. AD =
$$5(\sqrt{3} + 1)$$

3. AC =
$$\frac{5}{2} (\sqrt{3} + 1)$$

4. CD =
$$\frac{5}{2}(3 + \sqrt{3})$$

Question Type: MCQ

Question ID: 41652915426 Option 1 ID: 41652960396 Option 2 ID: 41652960397 Option 3 ID: 41652960394 Option 4 ID: 41652960395

Status: Answered

Chosen Option: 3

Q.11 The integral

$$\int_{-\frac{1}{2}}^{\frac{1}{2}} \left(\sin^{-1} (3x - 4x^3) - \cos^{-1} (4x^3 - 3x) \right) dx$$

is equal to:

Options

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

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

4. $\frac{\pi}{2}$

Question Type: MCQ

Question ID: 41652915413 Option 1 ID: 41652960344 Option 2 ID: 41652960342 Option 3 ID: 41652960343 Option 4 ID: 41652960345 Status: Answered

Chosen Option: 2

Q.12

The integral $\int \frac{2}{e^{2x}-1} dx$ is equal to:

(Here C is a constant of integration).

1.
$$x + \log_e |e^x + e^{-x}| + C$$

$$2 - x + \log_e |e^x - e^{-x}| + C$$

$$3. - x + \log_e |e^x + e^{-x}| + C$$

$$4 x + \log_e |e^x - e^{-x}| + C$$

Question ID: 41652915412

Option 1 ID: 41652960341 Option 2 ID: 41652960339 Option 3 ID: 41652960340

Option 4 ID: 41652960338 Status: Answered

Chosen Option: 2

Q.13 A bag contains 8 white and 6 black balls. A ball is drawn at random from the bag, its colour is observed and kept aside (i.e., not returned in the bag). Three additional balls of the same colour as observed are put in the bag. If now two balls are drawn simultaneously at random from the bag, then the probability that these two balls are of different colours, is:

Options

Question Type: MCQ

Question ID: 41652915422

Option 1 ID: 41652960380

Option 2 ID: 41652960378 Option 3 ID: 41652960381

Option 4 ID: 41652960379

Status: Answered

Chosen Option: 3

Q.14 The number of solutions of the equations

$$3x-y-z=0$$

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

$$-3x + z = 0$$

such that x, y, z are non-negative integers and $x^2 + y^2 + z^2 \le 81$ is:

Options 1. 2

- 3. 3
- 4. 1

Question ID: 41652915402

Option 1 ID: 41652960301

Option 2 ID: 41652960299

Option 3 ID: 41652960298

Option 4 ID: 41652960300 Status: Answered

Chosen Option: 4

Q.15 The area (in sq. units) of the region

A =
$$\{(x, y) : 0 \le y \le x \le \sqrt{2 - y}\}$$
 is:

Options 1.
$$\frac{4\sqrt{2}}{3} - \frac{7}{6}$$

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

3.
$$\frac{4\sqrt{2}}{3} + \frac{7}{6}$$

$$4 \frac{2\sqrt{2}}{3} + \frac{5}{6}$$

Question Type : MCQ

Question ID: 41652915414

Option 1 ID: 41652960346

Option 2 ID: 41652960349

Option 3 ID: 41652960347 Option 4 ID: 41652960348

Status: Answered

Chosen Option: 2

Q.16 Let $S = \{\theta \in (0, 2\pi) : 2\sin\theta(4\sin\theta - \sin3\theta) = 3\}$.

Then $\sum tan^2 3\theta$ is equal to:

Options 1. 12

- 2. 4
- 3. 2
- 4. 6

Question Type: MCQ

Question ID: 41652915425

Option 1 ID: 41652960390

Option 2 ID: 41652960392

Option 3 ID: 41652960393 Option 4 ID: 41652960391

Status: Answered

Chosen Option: 1

The number of elements in the set, $A \cap B \cap C$ where $A = \{(x, y) \in \mathbb{R} \times \mathbb{R} : |x| + |y| \ge 1\}$ $B = \{(x, y) \in \mathbb{R} \times \mathbb{R} : x^2 + y^2 \le 1\}$ and $C = \{(x, y) \in \mathbb{R} \times \mathbb{R} : \max\{|x|, |y|\} = 1\}$, is:

Options 1. 2

- 2. 1
- 3. 4
- 4 infinitely many

Question Type : MCQ

Question ID: 41652915398
Option 1 ID: 41652960283
Option 2 ID: 41652960282
Option 3 ID: 41652960284
Option 4 ID: 41652960285
Status: Answered

Chosen Option: 4

Q.18 A factory has two machines A and B. The machine A produces 60% of the items manufactured while the machine B produces 40% of the items. Further 2% of the items produced by the machine A are defective and 1% of that produced by the machine B are defective. If an item is drawn at random from the manufactured items, then the probability of its being defective is:

Options 1. 0.052

- 2. 0.014
- 3. 0.016
- 4.0.160

Question Type : \boldsymbol{MCQ}

Question ID: 41652915423
Option 1 ID: 41652960383
Option 2 ID: 41652960385
Option 3 ID: 41652960384
Option 4 ID: 41652960382
Status: Not Answered

Chosen Option : --

Q.19 If the tangent to the curve, $x^2y + \alpha y^2 = \beta$, $(\alpha, \beta \in \mathbb{R})$ at the point (1, 1) on it is 4x + 3y = 7, then the normal to it at the point $(x_1, -5)$, $x_1 < 0$ on the curve, is :

Options 1. 3x + 20y + 106 = 0

- 2. 3x + 20y + 103 = 0
- 3. 3x + 4y + 26 = 0
- 4. 3x + 4y + 23 = 0

Question ID: 41652915410 Option 1 ID: 41652960333 Option 2 ID: 41652960332 Option 3 ID: 41652960330 Option 4 ID: 41652960331 Status: Answered

Chosen Option: 3

Q.20 An A.P. having an odd number of terms, has its first, second and middle terms as -12, -7 and 38 respectively, then the sum of this A.P. is:

Options _{1.} 798

- 2. 756
- 3. 710
- 4. 896

Question Type: MCQ

Question ID: 41652915405 Option 1 ID: 41652960311 Option 2 ID: 41652960312 Option 3 ID: 41652960313 Option 4 ID: 41652960310 Status: Answered

Chosen Option: 1

Let (a, b) be the solution of the system

$$\begin{bmatrix} x \ y \end{bmatrix} \begin{bmatrix} 1 & 3 \\ 5 & 1 \end{bmatrix} = \begin{bmatrix} 2 \\ 1 \end{bmatrix}$$
. If α and β are the

roots of the equation $ax^2 + 2bx - (a + b) = 0$, then the equation, whose roots are $\alpha\beta$ and

$$\frac{1}{\alpha} + \frac{1}{\beta}$$
, is:

Options 1.
$$12x^2 + 47x + 40 = 0$$

2.
$$12x^2 - 53x + 56 = 0$$

3.
$$12x^2 + 17x - 40 = 0$$

4.
$$9x^2 + 54x + 80 = 0$$

Question Type: MCQ

Question ID: 41652915400 Option 1 ID: 41652960290 Option 2 ID: 41652960292 Option 3 ID: 41652960291 Option 4 ID: 41652960293 Status: Not Answered 4/14/2019

Chosen Option: --

Q.22

If $\lim_{x\to 4} \frac{x^{\frac{3}{4}} - 4^{\frac{3}{4}}}{x^{\frac{4}{3}} - 4^{\frac{4}{3}}} = 9p$, then p is equal

- Options 1. $(2)^{-9/2}$
 - 2. (2) -31/6
 - 3. (2) -11/2
 - 4 (2) -29/6

Question Type: MCQ

Question ID: 41652915407 Option 1 ID: 41652960321

Option 2 ID: 41652960319 Option 3 ID: 41652960318 Option 4 ID: 41652960320

Status: Not Answered

Chosen Option: --

Let $\overrightarrow{OA} = \overrightarrow{a} = \frac{1}{2} (\overrightarrow{i} + \overrightarrow{j} - 2 \overrightarrow{k}),$

$$\overrightarrow{OC} = \overrightarrow{b} = \overrightarrow{i} - 2\overrightarrow{j} + \overrightarrow{k}$$
 and

 $\overrightarrow{OB} = \overrightarrow{10} \overrightarrow{a} + 2 \overrightarrow{b}$. Let p (in sq. units) be the area of the quadrilateral OABC and q (in sq. units) be the area of the

parallelogram with $\stackrel{\rightarrow}{OA}$ and $\stackrel{\rightarrow}{OC}$ as

adjacent sides, then $\frac{p}{q}$ is equal to :

Options 1. 4

- 2. 8
- 3. 6
- 4. 3

Question Type: MCQ

Question ID: 41652915421

Option 1 ID: 41652960375 Option 2 ID: 41652960377

Option 3 ID: 41652960376 Option 4 ID: 41652960374

Status: Not Answered

Chosen Option: --

Q.24 A line is drawn from a point P(-4, 3) to cut the circle, $x^2 + y^2 = 4$ at the points A and

B. Then PA·PB is equal to:

Options 1. 21

2. 29

3. 27

4. 17

Question Type: MCQ

Question ID: 41652915417

Option 1 ID: 41652960360

Option 2 ID: 41652960358

Option 3 ID: 41652960359

Option 4 ID: 41652960361 Status: Not Answered

Chosen Option: --

Q.25

Let
$$u = \frac{-1 + i\sqrt{3}}{2}$$
 and $z = u - u^2 - 2$. Then

the value of $z^4 + 3z^3 + 2z^2 - 11z - 6$ is:

Options 1.-1

2. 1

3. -2

4. 2

Question Type: MCQ

Question ID: 41652915399

Option 1 ID: 41652960287

Option 2 ID: 41652960286 Option 3 ID: 41652960289

Option 4 ID: 41652960288

Status: Answered

Chosen Option: 2

The coefficient of x^5 in the expansion of

$$(1-x)\left(\frac{x^3-6}{2x^2}\right)^{10}$$
 is:

Options

Question Type: MCQ

Question ID: 41652915404

Option 1 ID: 41652960307

Option 2 ID: 41652960306

Option 3 ID: 41652960309

Option 4 ID: 41652960308

Status: Answered

Chosen Option: 3

The normal to the ellipse $\frac{x^2}{16} + \frac{y^2}{36} = 1$ at

a point P on the ellipse has slope $\frac{2}{3}$. If this normal intersects the major axis of the ellipse at a point A, then $(PA)^2$ is equal to:

Options

- 88
- 2. $\frac{32}{3}$
- 3. $\frac{104}{9}$
- 4. 136

Question Type : MCQ

Question ID: 41652915418

Option 1 ID: 41652960364

Option 2 ID: 41652960365

Option 3 ID: 41652960362

Option 4 ID: 41652960363

Status: Not Answered

Chosen Option : --

Q.28 Let $f: \mathbb{R} \to \mathbb{R}$ be a differentiable function such that $f(u+v) = f(u) + 2v^2 + 4uv$ for all $u, v \in \mathbb{R}$. If f(1) = 3, then the equation of the normal to the curve y = f(x) at the point

$$\left(\frac{1}{2}, f\left(\frac{1}{2}\right)\right)$$
 is:

Options 1. 3x + y = 3

- 2. 3x y = 0
- 3. 2x 4y = -5
- 4. 2x + 4y = 7

Question Type: MCQ

Question ID: 41652915408
Option 1 ID: 41652960322
Option 2 ID: 41652960325
Option 3 ID: 41652960323
Option 4 ID: 41652960324
Status: Not Answered

Chosen Option: --

Let y = y(x) be the solution of the differential equation $e^y dy = (1 + x + e^y + xe^y) dx$ and y(1) = 0. Then y(-3) is equal to :

Options 1 log_e(2)

- 2. $\log_e(2) \frac{3}{2}$
- 3. $\frac{3}{2}$
- 4. (

Question ID : 41652915415 Option 1 ID : 41652960352 Option 2 ID : 41652960353 Option 3 ID : 41652960351 Option 4 ID : 41652960350 Status : Not Answered

Chosen Option : --

Q.30 The number of subsets of {1, 2,, 99} containing at least 50 elements is:

Options 1. $2^{99} - 2^{49}$

- 2. 297
- 3. $2^{99} 2^{50}$
- 4. 298

Question Type: MCQ

Question ID: 41652915403
Option 1 ID: 41652960303
Option 2 ID: 41652960304
Option 3 ID: 41652960302
Option 4 ID: 41652960305
Status: Answered

Chosen Option : 1

Section : Aptitude Test

Comprehension:

SubQuestion No:1

Q.1 The famous Sun Temple is located in which of the following State?

Options 1 Odisha

- 2. Chattisgarh
- 3. Jharkhand
- 4. Bihar

Question Type : MCQ

Question ID: 41652915430 Option 1 ID: 41652960407 Option 2 ID: 41652960409 Option 3 ID: 41652960408 Option 4 ID: 41652960406

Status: Answered

Chosen Option: 1

Comprehension:

SubQuestion No: 2

Q.2 Which one of the following was usually constructed in a chaitya in a Buddhist Monastery?

Options 1. Stupa

- 2. Linga
- 3. Cross
- 4. Nandi

Question Type : MCQ

Question ID: 41652915429
Option 1 ID: 41652960404
Option 2 ID: 41652960402
Option 3 ID: 41652960405
Option 4 ID: 41652960403
Status: Answered

Chosen Option: 1

Comprehension:

SubQuestion No: 3

Q.3 A gondola is a boat found mainly in the canals of which one of the following cities?

Options 1. Paris

- 2. London
- 3. Venice
- 4. Frankfurt

Question Type : MCQ

Question ID: 41652915438 Option 1 ID: 41652960439 Option 2 ID: 41652960438 Option 3 ID: 41652960440 Option 4 ID: 41652960441 Status: Answered

Chosen Option: 3

Comprehension:

SubQuestion No: 4

Q.4 Where amongst the following are the famous rock cut caves found in India?

Options 1. Allahabad

- Bhopal
- 3. Bijnor
- 4. Ellora

Question Type : MCQ Question ID : 41652915432

Option 1 ID : 41652960415
Option 2 ID : 41652960414
Option 3 ID : 41652960417
Option 4 ID : 41652960416
Status : Answered

Chosen Option: 4

Comprehension:

SubQuestion No : 5

Q.5 Which of the following colors is made when red and yellow colors are mixed?

Options 1. Orange

- 2. Green
- 3. Black
- 4. Purple

Question Type : MCQ

Question ID: 41652915442
Option 1 ID: 41652960456
Option 2 ID: 41652960454
Option 3 ID: 41652960457
Option 4 ID: 41652960455
Status: Answered

Chosen Option : 1

Comprehension:

SubQuestion No: 6

Q.6 The texture of a baby's skin is which one of the following?

Options 1. Rough

- Corrugated
- 3. Bumpy
- 4. Smooth

Question Type: MCQ

Question ID: 41652915437 Option 1 ID: 41652960434 Option 2 ID: 41652960436 Option 3 ID: 41652960437 Option 4 ID: 41652960435 Status: Answered

Chosen Option: 4

Comprehension:

SubQuestion No: 7

Q.7 Which among the following is the tallest building in Kolkata?

Options 1. The 45

2. The 46

- 3. The 42
- 4. The 48

Question ID: 41652915435

Option 1 ID: 41652960428 Option 2 ID: 41652960429

Option 3 ID: 41652960427 Option 4 ID: 41652960426

Status: Marked For Review

Chosen Option: 4

Comprehension:

SubQuestion No: 8

Q.8 Who amongst the following designed the Madhya Pradesh Assembly building?

- Options 1. Charles Correa
 - 2. B.V. Doshi
 - Raj Rewal
 - 4. Prem Nath

Question Type: MCQ

Question ID: 41652915434 Option 1 ID: 41652960424 Option 2 ID: 41652960422 Option 3 ID: 41652960423

Option 4 ID: 41652960425

Status: Marked For Review

Chosen Option: 1

Comprehension:

SubQuestion No: 9

Q.9 The horizontal part of a staircase is known as which of the following?

Options 1. Rail

- 2. Tread
- 3. Riser
- Baluster

Question Type: MCQ

Question ID: 41652915431 Option 1 ID: 41652960412

Option 2 ID: 41652960411 Option 3 ID: 41652960410

Option 4 ID: 41652960413 Status: Answered

Chosen Option: 2

Comprehension:

SubQuestion No: 10

4/14/2019

Q.10 In the Indian product market Ebco is known for the manufacture of which one of the following?

Options 1. Glass

- 2. Tiles
- 3. Architectural hardware
- 4. Plywood

Question Type: MCQ

Question ID: 41652915440
Option 1 ID: 41652960447
Option 2 ID: 41652960449
Option 3 ID: 41652960448
Option 4 ID: 41652960446
Status: Answered

Chosen Option: 3

Comprehension:

SubQuestion No: 11

Q.11 What is the thickness of a normal one brick thick wall?

Options 1. 330 mm

- 2. 230 mm
- 3. 400 mm
- 4. 300 mm

Question Type : MCQ

Question ID: 41652915441
Option 1 ID: 41652960451
Option 2 ID: 41652960452
Option 3 ID: 41652960453
Option 4 ID: 41652960450
Status: Answered

Chosen Option : 2

Comprehension:

SubQuestion No: 12

Q.12 Which one of the following colors is considered to be the happiest of colors?

Options 1. Blue

- 2. Black
- 3. Yellow
- 4. Red

Question Type: MCQ

Question ID: 41652915433
Option 1 ID: 41652960418
Option 2 ID: 41652960419
Option 3 ID: 41652960420
Option 4 ID: 41652960421

Status : **Answered** Chosen Option : **3**

Comprehension:

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SubQuestion No: 13

Q.13 A gutter with a sloping roof is meant for which of the following?

Options 1. Draining rain water

- 2. Decoration
- Holding the roof
- 4. Protecting windows

Question Type: MCQ

Question ID: 41652915443
Option 1 ID: 41652960459
Option 2 ID: 41652960460
Option 3 ID: 41652960458
Option 4 ID: 41652960461
Status: Answered

Chosen Option: 1

Comprehension:

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SubQuestion No: 14

Q.14 The best shadow less light is found from which of the following direction?

Options 1. South

- 2. North
- 3. West
- 4. East

Question Type : MCQ

Question ID: 41652915439
Option 1 ID: 41652960443
Option 2 ID: 41652960442
Option 3 ID: 41652960445
Option 4 ID: 41652960444
Status: Answered

Chosen Option: 2

Comprehension:

SubQuestion No : 15

Q.15 The Capitol Complex of Chandigarh is designed by which one of the following architect?

Options 1. Charles Correa

- 2. B.V. Doshi
- Le Corbusier
- Raj Rewal

Question ID : 41652915436 Option 1 ID : 41652960431 Option 2 ID : 41652960433

Option 3 ID : **41652960432** Option 4 ID : **41652960430**

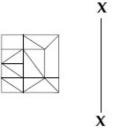
Status : **Answered** Chosen Option : **3**

Comprehension:

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

SubQuestion No: 16

Q.16



Options









Question Type : MCQ

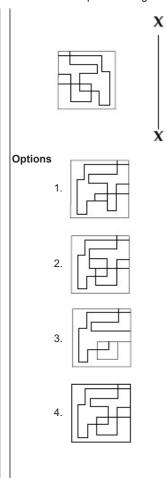
Question ID: 41652915445 Option 1 ID: 41652960462 Option 2 ID: 41652960464 Option 3 ID: 41652960463 Option 4 ID: 41652960465 Status: Answered

Chosen Option: 4

Comprehension:

 $\label{linear} \textbf{Directions}: Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X ?$

SubQuestion No : 17



Question ID : 41652915448
Option 1 ID : 41652960474
Option 2 ID : 41652960475
Option 3 ID : 41652960476
Option 4 ID : 41652960477
Status : Answered

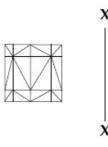
Chosen Option : 4

Comprehension:

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

SubQuestion No: 18

Q.18











Question ID: 41652915446
Option 1 ID: 41652960467
Option 2 ID: 41652960469
Option 3 ID: 41652960466
Option 4 ID: 41652960468
Status: Answered

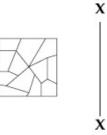
Chosen Option: 1

Comprehension:

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

SubQuestion No: 19

Q.19



Options









Question Type : MCQ

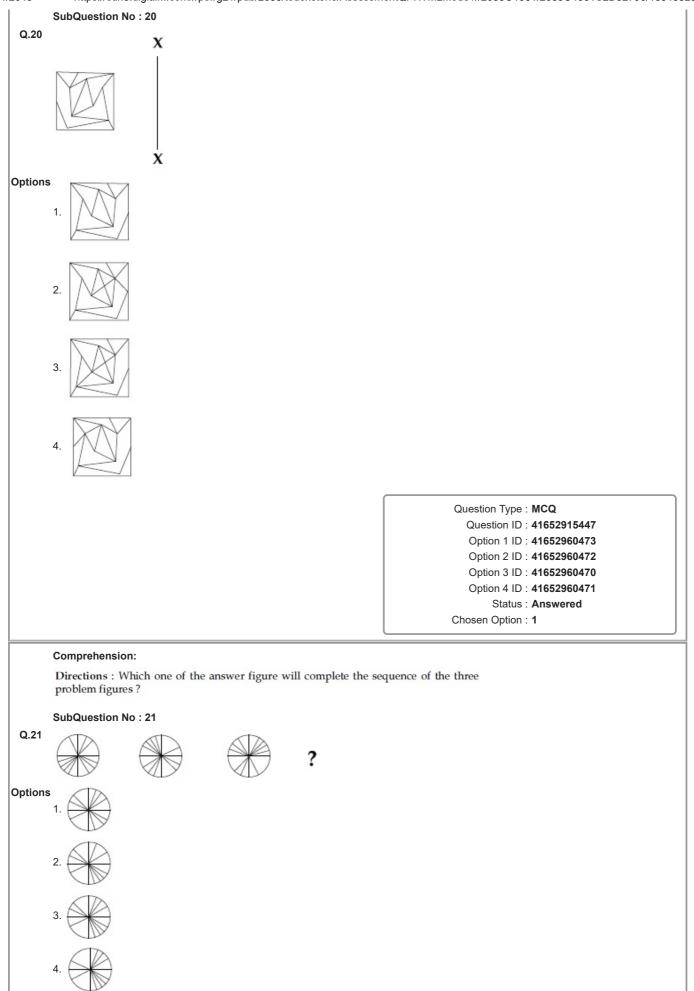
Question ID: 41652915449 Option 1 ID: 41652960478 Option 2 ID: 41652960480 Option 3 ID: 41652960479 Option 4 ID: 41652960481

Status : Answered

Chosen Option: 3

Comprehension:

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



Question Type : MCQ Question ID : 41652915455

Option 1 ID: 41652960500 Option 2 ID: 41652960501 Option 3 ID: 41652960499 Option 4 ID: 41652960498 Status: Answered

Chosen Option : 1

Comprehension:

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

SubQuestion No: 22

Q.22







?

Options









Question Type : MCQ

Question ID: 41652915454
Option 1 ID: 41652960496
Option 2 ID: 41652960497
Option 3 ID: 41652960494
Option 4 ID: 41652960495
Status: Answered

Chosen Option : 1

Comprehension:

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

SubQuestion No: 23

Q.23

















Question ID: 41652915451 Option 1 ID: 41652960485 Option 2 ID: 41652960484 Option 3 ID: 41652960482 Option 4 ID: 41652960483

Status: Answered

Chosen Option : 2

Comprehension:

 $\mbox{\bf Directions}:$ Which one of the answer figure will complete the sequence of the three problem figures ?

SubQuestion No: 24

Q.24









Options









Question Type : MCQ

Question ID : 41652915453
Option 1 ID : 41652960493
Option 2 ID : 41652960492
Option 3 ID : 41652960490
Option 4 ID : 41652960491
Status : Answered

Chosen Option : 2

Comprehension:

 $\mbox{\bf Directions}:$ Which one of the answer figure will complete the sequence of the three problem figures ?

SubQuestion No: 25

Q.25







?









Question ID: 41652915452
Option 1 ID: 41652960489
Option 2 ID: 41652960487
Option 3 ID: 41652960488
Option 4 ID: 41652960486

Status: Answered

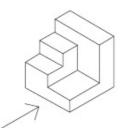
Chosen Option : 4

Comprehension:

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

SubQuestion No: 26

Q.26



Options









Question Type : \mathbf{MCQ}

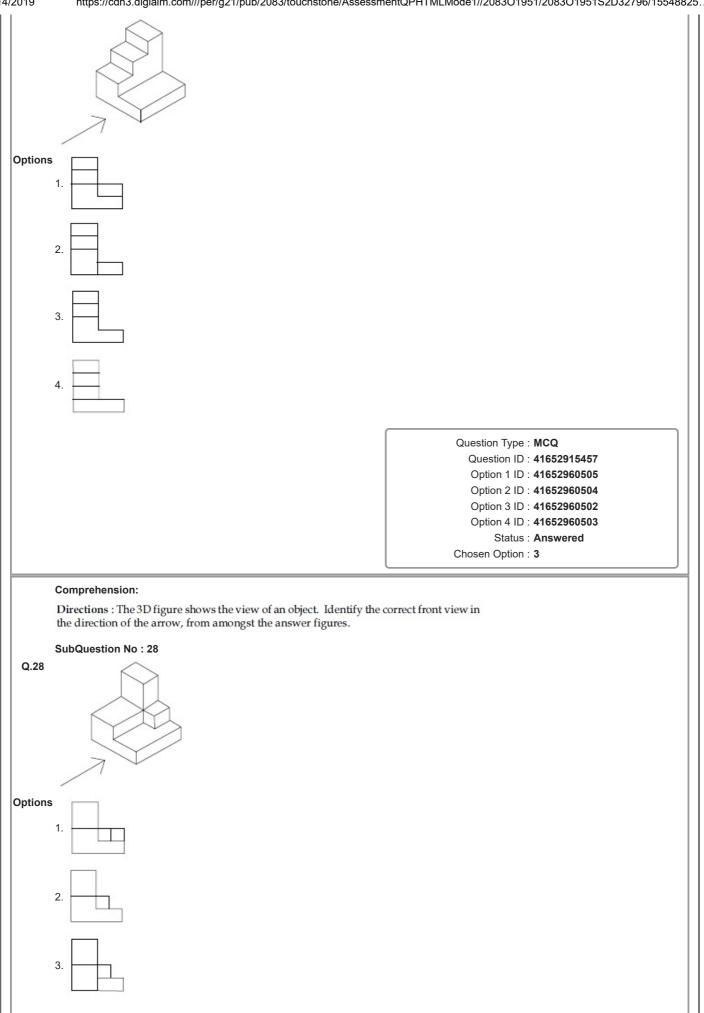
Question ID: 41652915459
Option 1 ID: 41652960510
Option 2 ID: 41652960513
Option 3 ID: 41652960512
Option 4 ID: 41652960511
Status: Answered

Chosen Option : 4

Comprehension:

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

SubQuestion No: 27





Question ID: 41652915458
Option 1 ID: 41652960508
Option 2 ID: 41652960507
Option 3 ID: 41652960509
Option 4 ID: 41652960506

Status : Answered

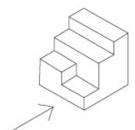
Chosen Option : 2

Comprehension:

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

SubQuestion No: 29

Q.29



Options









Question Type : \boldsymbol{MCQ}

Question ID: 41652915460 Option 1 ID: 41652960517 Option 2 ID: 41652960516 Option 3 ID: 41652960514

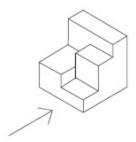
Option 4 ID : **41652960515**Status : **Answered**

Chosen Option : 2

Comprehension:

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

SubQuestion No: 30



Options









Question Type : MCQ

Question ID: 41652915461
Option 1 ID: 41652960521
Option 2 ID: 41652960519
Option 3 ID: 41652960520
Option 4 ID: 41652960518
Status: Answered

Chosen Option : 1

Comprehension:

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

SubQuestion No: 31

Q.31



Options







4.

Question Type : MCQ

Question ID: 41652915464 Option 1 ID: 41652960529 Option 2 ID: 41652960527 Option 3 ID: 41652960528 Option 4 ID: 41652960526

Status : Answered

Chosen Option: 2

Comprehension:

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

SubQuestion No: 32

Q.32



Options







Question Type : MCQ

Question ID: 41652915463 Option 1 ID: 41652960522 Option 2 ID: 41652960524 Option 3 ID: 41652960525 Option 4 ID: 41652960523 Status: Answered

Chosen Option: 1

Comprehension:

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

SubQuestion No: 33

Q.33



Options 1.







Question Type : MCQ

Question ID: 41652915467 Option 1 ID: 41652960538 Option 2 ID: 41652960539 Option 3 ID: 41652960541 Option 4 ID: 41652960540

Status: Answered Chosen Option: 3

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

SubQuestion No: 34



Options

Question Type : MCQ

Question ID: 41652915466 Option 1 ID: 41652960534 Option 2 ID: 41652960537 Option 3 ID: 41652960535 Option 4 ID: 41652960536 Status: Answered

Chosen Option: 1

Comprehension:

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

SubQuestion No: 35

Q.35



Options



Question Type: MCQ

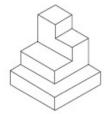
Question ID: 41652915465 Option 1 ID: 41652960533 Option 2 ID: 41652960531 Option 3 ID: 41652960530 Option 4 ID: 41652960532 Status: Answered

Chosen Option: 3

Comprehension:

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

SubQuestion No: 36



Options









Question Type : \boldsymbol{MCQ}

Question ID : 41652915469
Option 1 ID : 41652960543
Option 2 ID : 41652960542
Option 3 ID : 41652960544
Option 4 ID : 41652960545
Status : Answered

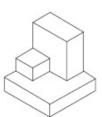
Chosen Option : 1

Comprehension:

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

SubQuestion No: 37

Q.37











Question Type: MCQ
Question ID: 41652915470
Option 1 ID: 41652960547
Option 2 ID: 41652960549
Option 3 ID: 41652960548
Option 4 ID: 41652960546
Status: Answered

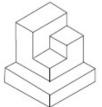
Chosen Option: 2

Comprehension:

 $\mbox{Directions}:\mbox{The 3D figure shows the view of an object. Identify the correct top view from amongst the answer figures.$

SubQuestion No: 38

Q.38



Options









Question Type : \boldsymbol{MCQ}

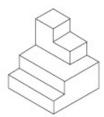
Question ID: 41652915473 Option 1 ID: 41652960561 Option 2 ID: 41652960560 Option 3 ID: 41652960559 Option 4 ID: 41652960558 Status: Answered

Chosen Option : 2

Comprehension:

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

SubQuestion No: 39



Option 1 ID: 41652960553

Option 2 ID: 41652960550 Option 3 ID: 41652960552 Option 4 ID: 41652960551

Status: Answered

Chosen Option : 2

Comprehension: Directions: The problem figure shows the top view of an object. Identify the correct elevation from amongst the answer figures looking in the direction of the arrow. SubQuestion No: 41 Q.41 **Options**

Question Type: MCQ

Question ID: 41652915478 Option 1 ID: 41652960577 Option 2 ID: 41652960576 Option 3 ID: 41652960574 Option 4 ID: 41652960575 Status : Answered

Chosen Option: 2

Comprehension:

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

SubQuestion No: 42 Q.42 Options







Question ID: 41652915477 Option 1 ID: 41652960570 Option 2 ID: 41652960573 Option 3 ID: 41652960572 Option 4 ID: 41652960571

Status : **Answered** Chosen Option : **1**

Comprehension:

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

SubQuestion No: 43

Q.43





Options









Question Type : MCQ

Question ID : 41652915476 Option 1 ID : 41652960567 Option 2 ID : 41652960569 Option 3 ID : 41652960568 Option 4 ID : 41652960566

Status : Answered

Chosen Option: 3

Comprehension:

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

SubQuestion No: 44







Options









Question Type : MCQ

Question ID: 41652915479
Option 1 ID: 41652960581
Option 2 ID: 41652960580
Option 3 ID: 41652960578
Option 4 ID: 41652960579
Status: Answered

Chosen Option: 1

Comprehension:

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

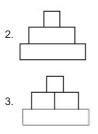
SubQuestion No: 45

Q.45











Question ID : 41652915475
Option 1 ID : 41652960565
Option 2 ID : 41652960563
Option 3 ID : 41652960562
Option 4 ID : 41652960564
Status : Answered

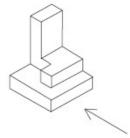
Chosen Option: 3

Comprehension:

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

SubQuestion No: 46

Q.46



Options

1.







Question Type : MCQ

Question ID : 41652915482 Option 1 ID : 41652960588 Option 2 ID : 41652960586 Option 3 ID : 41652960587 Option 4 ID : 41652960589

Status : Answered

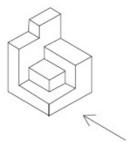
Chosen Option: 4



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

SubQuestion No: 47

Q.47



Options

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Question Type: MCQ

Question ID: 41652915484 Option 1 ID: 41652960597 Option 2 ID: 41652960595 Option 3 ID: 41652960596 Option 4 ID: 41652960594

Status : Answered

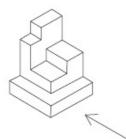
Chosen Option: 1

Comprehension:

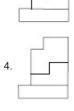
Directions: The 3D figure shows the view of an object. Identify the correct side view in the direction of the arrow, from amongst the answer figures.

SubQuestion No: 48

Q.48







4/14/2019

Question Type : MCQ

Question ID: 41652915481 Option 1 ID: 41652960583 Option 2 ID: 41652960585 Option 3 ID: 41652960582 Option 4 ID: 41652960584 Status: Answered

Chosen Option : 4

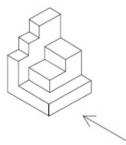
Comprehension:

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

SubQuestion No: 49

Q.49

Options



2.





Question Type : MCQ

Question ID : 41652915485 Option 1 ID : 41652960598 Option 2 ID : 41652960600 Option 3 ID : 41652960601 Option 4 ID : 41652960599

Status : Answered

https://cdn3.digialm.com///per/g21/pub/2083/touchstone/AssessmentQPHTMLMode1//2083O1951/2083O1951S2D32796/15548825... Comprehension: Directions: The 3D figure shows the view of an object. Identify the correct side view in the direction of the arrow, from amongst the answer figures. SubQuestion No: 50 Q.50 **Options** Question Type: MCQ Question ID: 41652915483 Option 1 ID: 41652960592 Option 2 ID: 41652960590 Option 3 ID: 41652960591 Option 4 ID: 41652960593 Status: Answered Chosen Option: 2 Section: Drawing

In the space provided in the answer sheet for this question, draw margin lines to form a frame. In this frame create an aesthetic composition using only cylinders and cubes. These can be of any size and may be placed separate, overlapping or within each other. The idea is to produce an aesthetic and visually exciting composition of these shapes in the frame without making it represent any realistic form like house face etc. These shapes and the other spaces should be filled with some colors of your choice so that the visual quality of the composition is enhanced. 20 marks

Question Type: SUBJECTIVE Question ID: 41652915486 Status: Answered

Copy the graphic image shown in the space provided for the answer of this question.
 Credit will be given to the exactness of your answer.
 20 marks

Question Type : SUBJECTIVE
Question ID : 41652915487
Status : Answered



Q. In the space provided for the answer of this question attempt any ONE of the following: 30 marks

Design and draw an appropriate pattern for a bed cover for a girls room. Color or shade it to enhance its visual quality.

OR

Draw an imaginary picture of a restaurant.

OR

Draw from imagination a picture of an Indian leader.

Question Type : SUBJECTIVE

Question ID : 41652915488

Status : Answered