JEE	April	2019
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Roll No.	
Candidate Name	
Application No	
Test Date	07/04/2019
Test Time	9:30 AM - 12:30 PM
Subject	Paper II EH

Section: Mathematics

Q.1

If the two lines
$$\frac{x-2m}{2m+5} = \frac{y}{8m} = \frac{z-4}{2}$$

and
$$\frac{x-2}{m-2} = \frac{y}{-1} = \frac{z-2m}{1-3m}$$
 are parallel

for some $m \in R$, then the distance between them is:

Options
$$\sqrt{34}$$

Question Type: MCQ

Question ID: 41652915603 Option 1 ID: 41652961017

Option 2 ID: 41652961014 Option 3 ID: 41652961015

Option 4 ID: 41652961016 Status: Answered

Chosen Option: 3

$$\lim_{x \to 3} \frac{\sqrt{x+6} - \sin(x-3) - 3}{(x-3)\cos(x-3)}$$
 is equal

to:

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

3.
$$\frac{1}{6}$$

4.
$$-\frac{5}{6}$$

Question Type: MCQ Question ID: 41652915589

Option 1 ID: 41652960960 Option 2 ID: 41652960958 Option 3 ID: 41652960959 Option 4 ID: 41652960961 Status: Answered

Chosen Option: 2

Q.3 If $6 \cos^2\theta - 2 \cos^2\theta - 3 = 0$, then $\tan^2 3\theta$ is equal to:

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

 - 4. 3

Question Type : MCQ

Question ID: 41652915607 Option 1 ID: 41652961030 Option 2 ID: 41652961033 Option 3 ID: 41652961031 Option 4 ID: 41652961032 Status: Answered

Chosen Option: 2

Q.4 Let $f: \mathbf{R} - \{0\} \rightarrow \mathbf{R}$ be defined by $f(x) = a \log_e |x| + bx^3 + x^2$.

> If x = -1 and x = 1 are the critical points of f(x), then:

Options 1. f''(1) - f''(-1) = 4

- both x = 1 and x = -1 are local minima of f(x)
- 3. f''(1) + f''(-1) = 0
- x = 1 is a local minima and x = -1 is a local maxima of f(x)

Question Type: MCQ

Question ID: 41652915592 Option 1 ID: 41652960971 Option 2 ID: 41652960972 Option 3 ID: 41652960970 Option 4 ID: 41652960973 Status: Answered

Q.5 If r is the remainder obtained on dividing $(98)^5$ by 12, then the coefficient of x^3 in the

Binomial expansion of $\left(1 + \frac{x}{2}\right)^{2r}$ is :

Options _{1.} 102

- 3. 70
- $4 \frac{91}{2}$

Question Type: MCQ

Question ID: 41652915586 Option 1 ID: 41652960948 Option 2 ID: 41652960946 Option 3 ID: 41652960949 Option 4 ID: 41652960947 Status: Answered

Chosen Option: 2

Q.6 The expression $\sim (p \leftrightarrow q)$ is equivalent to:

Options 1 $p \land \sim q$

- 2. $(\sim p \land q) \lor (\sim q \land p)$
- $p \vee q$
- 4 $(p \land \sim q) \land (q \land \sim p)$

Question Type: MCQ

Question ID: 41652915609 Option 1 ID: 41652961040 Option 2 ID: 41652961041 Option 3 ID: 41652961039 Option 4 ID: 41652961038 Status: Answered

Chosen Option: 2

Q.7 The value of $\int_{-3}^{3} \frac{5x^4}{1 + e^{-x}} dx$ is:

- Options 1. $\frac{3^5}{5}$
 - 2. 2(3⁵)
 - 3. 34

4. 35

Question Type : MCQ

Question ID: 41652915595 Option 1 ID: 41652960984 Option 2 ID: 41652960982

Option 3 ID: 41652960985 Option 4 ID: 41652960983

Status: Answered

Chosen Option: 2

Q.8 Let P be the point on the parabola $y^2 = 3x$ such that OP makes an angle of $\frac{\pi}{6}$ with the x-axis, where O is the origin. A normal is drawn to the parabola at P intersecting the axis of the parabola at Q. If S is the focus of the parabola, then SQ is equal to:

Options _{1.9}

Question Type: MCQ

Question ID: 41652915600

Option 1 ID: 41652961004

Option 2 ID: 41652961003

Option 3 ID: 41652961005 Option 4 ID: 41652961002

Status: Answered

Chosen Option: 2

Q.9 If for two events A and B, in a random

experiment, $P(A \mid B) = \frac{4}{5}$ and $P(B \mid A) = \frac{1}{4}$,

then $P(A | A \cup B)$ is equal to :

- Options 1. $\frac{5}{17}$

$$4. \frac{5}{16}$$

Question Type : MCQ

Question ID: 41652915606 Option 1 ID: 41652961027 Option 2 ID: 41652961029 Option 3 ID: 41652961028 Option 4 ID: 41652961026 Status: Answered

Chosen Option : 2

Q.10 Let A be the set of all 3-digit natural numbers and $B = \{x \in A : H.C.F. (x, 15) = 1\}$. Then the number of elements in B is :

Options _{1. 240}

- 2. 360
- 3. 480
- 4. 420

Question Type : MCQ

Question ID: 41652915585 Option 1 ID: 41652960945 Option 2 ID: 41652960943 Option 3 ID: 41652960944 Option 4 ID: 41652960942 Status: Answered

Chosen Option: 2

Let $f: [0, 5] \rightarrow \mathbb{R}$ be a continuous function such that $|f(x)| \le 3$ for all $x \in [0, 5]$ and

 $\int_{0}^{5} f(t)dt = 3.$ Then the value of $\int_{0}^{3} f(t)dt$

can be:

Options _{1.} 10

- 2. -4
- 3. 12
- 4. 6

Question Type : MCQ

Question ID: 41652915593 Option 1 ID: 41652960976 Option 2 ID: 41652960974 Option 3 ID: 41652960977 Option 4 ID: 41652960975

Status : **Answered** Chosen Option : **2**

Let R be a relation defined on $\mathbb{Z} \times \mathbb{Z}$ by (a, b) R (c, d) \Leftrightarrow a - d = b - c, where Z is the set of all integers, then R is:

Options

- transitive but neither reflexive nor symmetric.
- symmetric and transitive but not reflexive.
- symmetric but neither reflexive nor transitive.
- reflexive but neither symmetric nor transitive.

Question Type : MCQ

Question ID: 41652915580 Option 1 ID: 41652960924 Option 2 ID: 41652960925 Option 3 ID: 41652960923

Option 4 ID : 41652960922 Status : Answered

Chosen Option: 3

If a, b and c (all distinct) are the sides of a triangle ABC opposite to the angles A, B and C, respectively, then $\frac{c\sin(A-B)}{a^2-b^2} = \frac{b\sin(C-A)}{c^2-a^2}$ is equal to:

Options _{1.} 0

- 2. 2
- 3. -1
- 4. 1

Question Type: MCQ

Question ID : 41652915608

Option 1 ID : 41652961034

Option 2 ID : **41652961036** Option 3 ID : **41652961037**

Option 4 ID : 41652961035

Status : Answered

Q.14 The set of all real values of α for which the equation, $|x+2| \cdot |x-2| = \alpha^2 - 2\alpha$ has real solutions for x, is :

Options
$$[1 - \sqrt{5}, 0] \cup [2, 1 + \sqrt{5}]$$

2
$$(-\infty, 0] \cup [2, 1 + \sqrt{5}]$$

3.
$$(-\infty,0] \cup [2,\infty)$$

4.
$$[-1-\sqrt{5}, 1-\sqrt{5}] \cup [1+\sqrt{5}, \infty)$$

Question Type: MCQ

Question ID: 41652915582 Option 1 ID: 41652960933 Option 2 ID: 41652960931 Option 3 ID: 41652960930 Option 4 ID: 41652960932 Status: Answered

Chosen Option: 2

Q.15 The area (in sq. units) above the x-axis bounded by the parabola, $x - y^2 - 1 = 0$ and the line x-y-3=0 is:

Options

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

- 4. 4

Question Type: MCQ

Question ID: 41652915596 Option 1 ID: 41652960986 Option 2 ID: 41652960989 Option 3 ID: 41652960987 Option 4 ID: 41652960988 Status: Answered

Chosen Option: 2

Q.16 Let $z(\neq -1)$ be any complex number such that |z| = 1. Then the imaginary part of

$$\frac{\overline{z}(1-z)}{z(1+\overline{z})} \text{ is :}$$

(Here $\theta = \arg z$)

Options
$$1 - tan\left(\frac{\theta}{2}\right)cos\theta$$

$$2 \tan\left(\frac{\theta}{2}\right) \cos\theta$$

3
$$tan\left(\frac{\theta}{2}\right) sin\theta$$

$$4 - \tan\left(\frac{\theta}{2}\right) \sin\theta$$

Question Type : MCQ

Question ID: 41652915581 Option 1 ID: 41652960928 Option 2 ID: 41652960927 Option 3 ID: 41652960929 Option 4 ID: 41652960926 Status: Answered

Chosen Option: 1

Q.17

If three vectors
$$\overrightarrow{V}_1 = \alpha \overrightarrow{i} + \hat{j} + \hat{k}$$
,

$$\overrightarrow{V_2} = \overrightarrow{i} + \beta \overrightarrow{j} - 2 \overrightarrow{k}$$
 and $\overrightarrow{V_3} = \overrightarrow{i} + \overrightarrow{j}$ are

coplanar, and $\overset{\rightarrow}{V_1}$ and $\overset{\rightarrow}{V_3}$ are

perpendicular, then the vector $\overset{\rightarrow}{V_1}\times\overset{\rightarrow}{V_2}$

is:

Options
$$1. -\hat{i} + \hat{j}$$

$$2. \hat{i} - \hat{j} + 2\hat{k}$$

3.
$$2\hat{i} - 2\hat{j} + \hat{k}$$

$$4. - \stackrel{\wedge}{i} + \stackrel{\wedge}{j} + 2\stackrel{\wedge}{k}$$

Question Type: MCQ

Question ID: 41652915604 Option 1 ID: 41652961020 Option 2 ID: 41652961019 Option 3 ID: 41652961021

Option 4 ID: 41652961018 Status: Answered

Q.18 Let the tangent drawn at any point P(x, y)on a curve intersect the x and y axes at two distinct points A and B respectively. If AP : PB = 5 : 1, and the curve passes through the point (2, 2) then an equation of the curve is:

Options 1. $x^5y = 2^6$

2.
$$xy^5 = 2^6$$

3.
$$x^4y = 2^5$$

4.
$$xy^4 = 2^5$$

Question Type: MCQ

Question ID: 41652915597 Option 1 ID: 41652960993 Option 2 ID: 41652960990 Option 3 ID: 41652960992 Option 4 ID: 41652960991 Status: Answered

Chosen Option: 3

Let y be an implicit function of x defined

by
$$\begin{vmatrix} x+y & 2 & 1\\ 1 & x+y & 2\\ 1 & 2 & x+y \end{vmatrix} + 12y = 0.$$

If
$$y(0) = -1$$
, then $\frac{dy}{dx}$ at $x = 0$ is:

Options 1.
$$-\frac{4}{5}$$

2.
$$\frac{5}{4}$$

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

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

Question Type: MCQ

Question ID: 41652915591 Option 1 ID: 41652960969 Option 2 ID: 41652960968 Option 3 ID: 41652960966 Option 4 ID: 41652960967

Status: Answered

Q.20 Let A be a 2×2 matrix such that $A^2+A+I=0$, where $I=I_2$. Then $\left|adj\left((I-A)^6\right)\right|$ is equal to :

Options 1. 34

- 2. 39
- 3. 33
- 4. 36

Question Type : MCQ

Chosen Option: 2

Question ID: 41652915583 Option 1 ID: 41652960935 Option 2 ID: 41652960937 Option 3 ID: 41652960934 Option 4 ID: 41652960936 Status: Answered

Q.21 Let the ellipse $x^2 + 16y^2 = 16$ be inscribed in a rectangle whose sides are parallel to the coordinate axes. If the rectangle is inscribed in another ellipse that passes through the point (16, 0), then the equation of the outer ellipse is:

Options 1. $x^2 + 232y^2 = 16^2$

- 2. $x^2 + 248y^2 = 16^2$
- 3. $x^2 + 240y^2 = 16^2$
- 4. $x^2 + 256y^2 = 16^2$

Question Type: MCQ

Question ID: 41652915601
Option 1 ID: 41652961009
Option 2 ID: 41652961007
Option 3 ID: 41652961008
Option 4 ID: 41652961006
Status: Answered
Chosen Option: 3

Q.22 The sum of the infinite series $1 + 2 + \frac{2}{3} + \frac{6}{3^2} + \frac{10}{3^3} + \frac{14}{3^4} + \dots$ is:

Options _{1.} 6

2. 4

3.
$$\frac{9}{2}$$

4. 5

Question Type : MCQ

Question ID: 41652915588
Option 1 ID: 41652960956
Option 2 ID: 41652960954
Option 3 ID: 41652960957
Option 4 ID: 41652960955
Status: Answered

Chosen Option: 3

Q.23 Let f be a continuous function defined by

$$f(x) = \begin{cases} \frac{a \sin 2x - b \cos x}{\frac{\pi}{2} - x} &, & x > \frac{\pi}{2} \\ & 4 &, & x = \frac{\pi}{2} \\ \frac{2b \cos x}{\frac{\pi}{2} - x} &, & x < \frac{\pi}{2} \end{cases}$$

Then the value of a + b is:

Options _{1.} 1

- 2. 4
- 3. 8
- 4. 5

Question Type : \boldsymbol{MCQ}

Question ID : 41652915590 Option 1 ID : 41652960962 Option 2 ID : 41652960963 Option 3 ID : 41652960965 Option 4 ID : 41652960964

Status : Answered

Q.24

If x_1, x_2, \dots, x_n be the observed data such

tha

$$\sum_{i=1}^{n} x_i - 2n = 180$$
 ar

 $\sum_{i=1}^{n} x_i - 7n = 30$, then the mean of the

data (x_1-3) , (x_2-3) , ..., (x_n-3) is equal to:

Options _{1.} 5

- 2. $\frac{16}{3}$
- 3. 8
- 4. $\frac{13}{3}$

Question Type: MCQ

Question ID: 41652915605 Option 1 ID: 41652961022 Option 2 ID: 41652961025 Option 3 ID: 41652961023 Option 4 ID: 41652961024 Status: Answered

Chosen Option: 2

Q.25 Let A(1, 3) and C(5, 1) be two opposite vertices of a rectangle. The other two vertices B(a, b) and D(c, d) lie on the line y=2x+k for some k. Then the value of $(a+b)\cdot(c+d)$ is:

Options 1. 16

- 2. 8
- 3. 24
- 4. 32

Question Type : MCQ

Question ID: 41652915598 Option 1 ID: 41652960995 Option 2 ID: 41652960994 Option 3 ID: 41652960996

Option 4 ID : **41652960997**Status : **Answered**

Q.26 Let the planes x-2y+kz=0 and x+5y-z=0 be perpendicular. Then the plane through the point (2, -2, -2) and perpendicular to the given planes also passes through the point:

Options 1. (-1, 0, -7)

- 2. (1, 0, 7)
- 3.(0,5,8)
- 4. (0, 5, -8)

Question Type : MCQ

Question ID: 41652915602
Option 1 ID: 41652961012
Option 2 ID: 41652961013
Option 3 ID: 41652961010
Option 4 ID: 41652961011
Status: Answered

Chosen Option: 4

Q.27
$$\int \frac{\sec x}{\sqrt{\sin x \cdot \cos^5 x}} dx \text{ is equal to :}$$

(where C is a constant of integration)

Options

1
$$2(\tan x)^{\frac{1}{2}} + \frac{1}{5}(\tan x)^{\frac{5}{2}} + C$$

2.
$$2(\tan x)^{\frac{1}{2}} + \frac{2}{5}(\tan x)^{\frac{5}{2}} + C$$

$$(\tan x)^{\frac{1}{2}} + \frac{2}{5}(\tan x)^{\frac{5}{2}} + C$$

4
$$2(\tan x)^{\frac{1}{2}} - \frac{2}{5}(\tan x)^{\frac{5}{2}} + C$$

Question Type: MCQ

Question ID: 41652915594
Option 1 ID: 41652960980
Option 2 ID: 41652960978
Option 3 ID: 41652960979
Option 4 ID: 41652960981
Status: Answered

Q.28 If the system of linear equations x+4y-3z=2

$$2x + 7y - 4z = \alpha$$

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

has infinitely many solutions, then the ordered pair (α, β) cannot take the value :

Options 1. (3, -3)

- 2. (2, -4)
- 3. (4, -2)
- 4.(-3,3)

Question Type : MCQ

Question ID: 41652915584
Option 1 ID: 41652960940
Option 2 ID: 41652960939
Option 3 ID: 41652960938
Option 4 ID: 41652960941
Status: Answered

Chosen Option: 3

Q.29 In an increasing geometric series, the sum of the first and the sixth term is 66 and the product of the second and the fifth terms is 128. Then the sum of the first 6 terms of this series is:

Options _{1.} 128

- 2. 129
- 3. 126
- 4. 127

Question Type : MCQ

Question ID: 41652915587 Option 1 ID: 41652960953 Option 2 ID: 41652960951 Option 3 ID: 41652960952 Option 4 ID: 41652960950 Status: Answered

Chosen Option: 2

Q.30 Let the abscissae of two points A and B on a circle be the roots of $x^2+2x-4=0$ and the ordinates of A and B be the roots of $y^2+4y-16=0$. If AB is a diameter of this circle, then the radius of this circle is:

Options 1. $2\sqrt{10}$

- 2. 6
- 3. 5
- 4 $2\sqrt{6}$

Question Type : MCQ

Question ID: 41652915599
Option 1 ID: 41652961001
Option 2 ID: 41652960999
Option 3 ID: 41652960998
Option 4 ID: 41652961000
Status: Answered

Chosen Option : 1

Section : Aptitude Test

Comprehension:

SubQuestion No: 1

Q.1 The Lotus Temple is located in which one of the following city?

Options 1. Lucknow

- 2. Kanpur
- 3. New Delhi
- Nagpur

Question Type : MCQ

Question ID: 41652915620
Option 1 ID: 41652961081
Option 2 ID: 41652961080
Option 3 ID: 41652961078
Option 4 ID: 41652961079
Status: Answered

Chosen Option: 3

Comprehension:

SubQuestion No : 2

Q.2 Zaha Hadid was born in which country amongst the following?

Options 1. Iran

- 2. Iraq
- Afghanistan
- 4. Turkistan

Question Type: MCQ

Question ID: 41652915625 Option 1 ID: 41652961098 Option 2 ID: 41652961099 Option 3 ID: 41652961100 Option 4 ID: 41652961101 Status: Answered

Chosen Option: 2

Comprehension:

SubQuestion No: 3

Q.3 An escalator moves in which of the following directions?

Options 1. In steps

- Only vertically
- 3 Vertically and Horizontally
- 4 Only horizontally

Question Type: MCQ

Question ID: 41652915623 Option 1 ID: 41652961093 Option 2 ID: 41652961090 Option 3 ID: 41652961092 Option 4 ID: 41652961091 Status: Answered

Chosen Option: 3

Comprehension:

SubQuestion No: 4

Q.4 Helical staircases are which one of the following?

Options 1 Curving staircases

- Dog leg staircases
- Staircases with no railings
- Straight flights

Question Type: MCQ

Question ID: 41652915622 Option 1 ID: 41652961087 Option 2 ID: 41652961086 Option 3 ID: 41652961089 Option 4 ID: 41652961088 Status: Answered

Chosen Option: 3

Comprehension:

SubQuestion No: 5

Q.5 Parquet flooring is usually made of which of the following?

Options 1. Wood

- 2. Cement
- 3. Granite
- 4. Marble

Question Type: MCQ

Question ID: 41652915615 Option 1 ID: 41652961061 Option 2 ID: 41652961060 Option 3 ID: 41652961058 Option 4 ID: 41652961059 Status: Answered

Chosen Option: 3

Comprehension:

SubQuestion No: 6

Q.6 The most famous temple in the Khajuraho group of temples is which one of the following?

Options 1. Ganesh Temple

- Kandariya Mahadev Temple
- 3. Krishna Temple
- Shiva Temple

Question Type : MCQ

Question ID: 41652915614
Option 1 ID: 41652961056
Option 2 ID: 41652961055
Option 3 ID: 41652961057
Option 4 ID: 41652961054
Status: Answered

Chosen Option: 4

Comprehension:

SubQuestion No: 7

Q.7 A small lift for carrying small loads only is known as which of the following?

Options 1. A deaf bearer

A jockey boy

- 3. A dumb waiter
- 4. A push upper

Question Type : MCQ

Question ID: 41652915611
Option 1 ID: 41652961042
Option 2 ID: 41652961044
Option 3 ID: 41652961043
Option 4 ID: 41652961045
Status: Answered

Chosen Option : 2

Comprehension:

.

SubQuestion No: 8

Q.8 Rooms with white painted walls appears to be which of the following?

Options 1. Darker

- 2. Smaller
- 3. Narrower
- Larger

Question Type : MCQ

Question ID: 41652915624 Option 1 ID: 41652961096 Option 2 ID: 41652961094 Option 3 ID: 41652961097 Option 4 ID: 41652961095 Status: Answered

Chosen Option: 4

Comprehension:

.

SubQuestion No: 9

Q.9 The Sas Bahu Temple is located in which of the following?

Options 1. Gwalior Fort

- 2. Jaipur Fort
- 3. Jhansi Fort
- Red Fort

Question Type : MCQ

Question ID: 41652915618 Option 1 ID: 41652961072 Option 2 ID: 41652961073 Option 3 ID: 41652961071 Option 4 ID: 41652961070

Status: Answered Chosen Option: 3 Comprehension: SubQuestion No: 10 Q.10 Which one of the following is a UNESCO World Heritage Site? Options 1. Bijapur Kochi 3. Hampi Bijnor Question Type: MCQ Question ID: 41652915613 Option 1 ID: 41652961053 Option 2 ID: 41652961050 Option 3 ID: 41652961051 Option 4 ID: 41652961052 Status: Answered Chosen Option: 3 Comprehension: SubQuestion No: 11 Q.11 Which amongst the following is the city in Italy that is known for its leaning tower? Options 1. Rome 2. Pisa Florence Venice Question Type: MCQ Question ID: 41652915619 Option 1 ID: 41652961076 Option 2 ID: 41652961077 Option 3 ID: 41652961075 Option 4 ID: 41652961074 Status: Answered Chosen Option: 2 Comprehension: SubQuestion No: 12 Q.12 Which one of the following is the tallest building in Bengaluru?

Options 1. World Trade Centre

- Concord Tower
- 3. Mantri Pinnacle
- 4. UB Tower

Question Type: MCQ

Question ID: 41652915617 Option 1 ID: 41652961066 Option 2 ID: 41652961068 Option 3 ID: 41652961067 Option 4 ID: 41652961069 Status: Answered

Chosen Option: 4

Comprehension:

SubQuestion No: 13

Q.13 The fort in Hyderabad is known as which of the following?

Options _{1.} Siladhari

- 2. Golconda
- 3. Virbanda
- 4. Bahubali

Question Type: MCQ

Question ID: 41652915616 Option 1 ID: 41652961064 Option 2 ID: 41652961063 Option 3 ID: 41652961065 Option 4 ID: 41652961062

Status: Answered

Chosen Option: 2

Comprehension:

SubQuestion No: 14

Q.14 Hindustan Parryware in the Indian market is known for which of the following product?

Options 1. Wall tiles

- Pipes
- Sanitary ware
- Wooden tables

Question Type : MCQ

Question ID: 41652915612

Option 1 ID : 41652961048
Option 2 ID : 41652961046
Option 3 ID : 41652961047
Option 4 ID : 41652961049
Status : Answered

Chosen Option: 3

Comprehension:

SubQuestion No : 15

Q.15 Cement Plaster is used for which of the following?

Options 1. Covering walls

- 2. Making roofs
- 3. Making floors
- 4. Making staircases

Question Type : MCQ

Question ID: 41652915621
Option 1 ID: 41652961082
Option 2 ID: 41652961083
Option 3 ID: 41652961085
Option 4 ID: 41652961084
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: 16

Q.16



Options

s 1.



3.

4.

Question Type : MCQ

Question ID: 41652915629 Option 1 ID: 41652961110 Option 2 ID: 41652961112 Option 3 ID: 41652961113 Option 4 ID: 41652961111

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: 17

Q.17



Options 1.

(



3.

4.

Question Type : \boldsymbol{MCQ}

Question ID: 41652915630 Option 1 ID: 41652961116 Option 2 ID: 41652961114 Option 3 ID: 41652961117

Option 4 ID : **41652961115**Status : **Answered**

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: 18

Q.18



Options







4.

Question Type : MCQ

Question ID: 41652915631
Option 1 ID: 41652961121
Option 2 ID: 41652961119
Option 3 ID: 41652961118
Option 4 ID: 41652961120
Status: Answered

Chosen Option: 3

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: 19

Q.19



Options









Question Type : MCQ

Question ID: 41652915628 Option 1 ID: 41652961109 Option 2 ID: 41652961108 Option 3 ID: 41652961107 Option 4 ID: 41652961106

Status : Answered

Chosen Option: 4

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: 20

Q.20



Options







4. 🗸

Question Type : MCQ

Question ID: 41652915627
Option 1 ID: 41652961103
Option 2 ID: 41652961105
Option 3 ID: 41652961102
Option 4 ID: 41652961104
Status: Answered

Chosen Option: 1

Comprehension:

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

SubQuestion No: 21

Q.21







?

Options









Question Type : MCQ

Question ID : 41652915634

Option 1 ID : 41652961127 Option 2 ID : 41652961128 Option 3 ID : 41652961126 Option 4 ID : 41652961129

Status : Answered

Chosen Option : 2

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: 41652915636
Option 1 ID: 41652961136
Option 2 ID: 41652961134
Option 3 ID: 41652961135
Option 4 ID: 41652961137
Status: Answered

Chosen Option: 2

Comprehension:

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

SubQuestion No: 23

Q.23







?

Options





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3.



Question Type: MCQ

Question ID: 41652915633 Option 1 ID: 41652961122 Option 2 ID: 41652961125 Option 3 ID: 41652961124 Option 4 ID: 41652961123

Status : Answered

Chosen Option : 2

Comprehension:

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

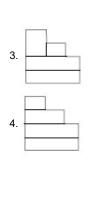
Question ID: 41652915637 Option 1 ID: 41652961141 Option 2 ID: 41652961138 Option 3 ID: 41652961140 Option 4 ID: 41652961139

Status : Answered

Chosen Option : 2

Comprehension:

Directions: Which one of the answer figure will complete the sequence of the three problem figures? SubQuestion No: 25 Q.25 Options Question Type : MCQ Question ID: 41652915635 Option 1 ID: 41652961132 Option 2 ID: 41652961133 Option 3 ID : 41652961130 Option 4 ID: 41652961131 Status: Answered Chosen Option : 2 Comprehension: Directions: The 3D figure shows the view of an object. Identify the correct front view looking in the direction of the arrow, from amongst the answer figures. SubQuestion No: 26 Q.26 Options



Question Type: MCQ

Question ID: 41652915642
Option 1 ID: 41652961156
Option 2 ID: 41652961154
Option 3 ID: 41652961155
Option 4 ID: 41652961157
Status: Answered

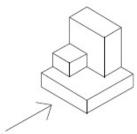
Chosen Option: 2

Comprehension:

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

SubQuestion No: 27

Q.27



Options









Question Type : MCQ

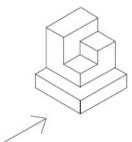
Question ID : 41652915640
Option 1 ID : 41652961148
Option 2 ID : 41652961147
Option 3 ID : 41652961146
Option 4 ID : 41652961149
Status : Answered

Comprehension:

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

SubQuestion No: 28

Q.28



Options









Question Type : MCQ

Question ID: 41652915643
Option 1 ID: 41652961160
Option 2 ID: 41652961161
Option 3 ID: 41652961158
Option 4 ID: 41652961159
Status: Answered

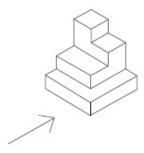
Chosen Option : 2

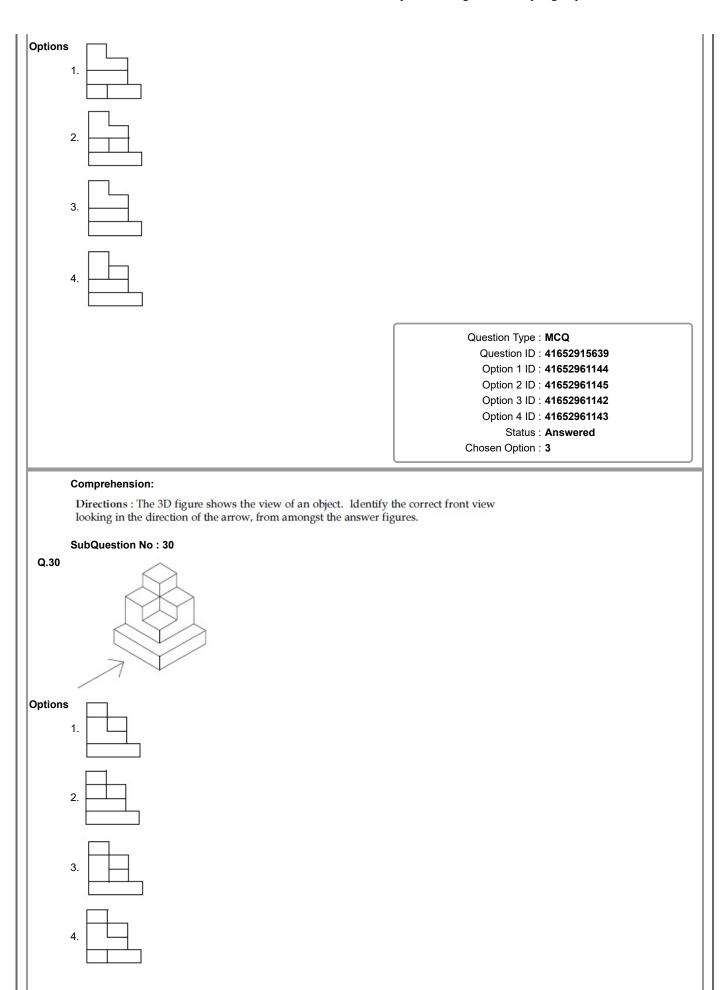
Comprehension:

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

SubQuestion No : 29

Q.29





Question Type : MCQ

Question ID: 41652915641 Option 1 ID: 41652961151 Option 2 ID: 41652961152 Option 3 ID: 41652961150 Option 4 ID: 41652961153

Status: Answered

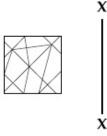
Chosen Option : 1

Comprehension:

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

SubQuestion No: 31

Q.31



Options









Question Type : MCQ

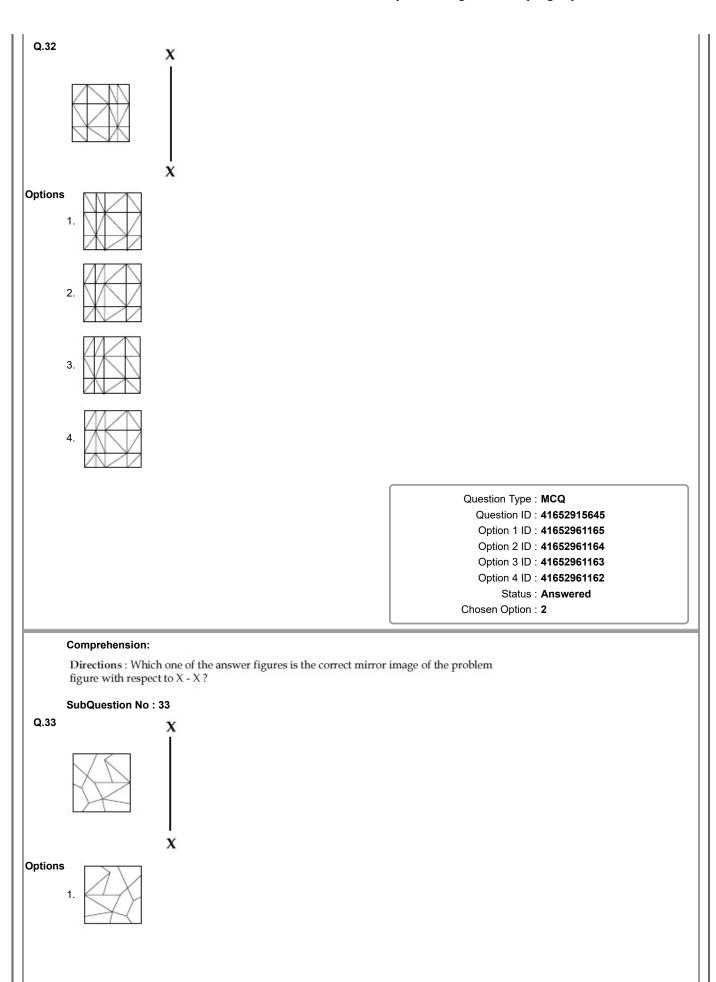
Question ID: 41652915647 Option 1 ID: 41652961172 Option 2 ID: 41652961173 Option 3 ID: 41652961170 Option 4 ID: 41652961171

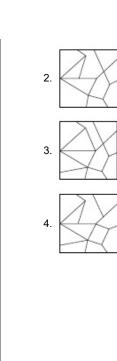
Status : **Answered** Chosen Option : **2**

Comprehension:

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

SubQuestion No: 32





Question Type : MCQ

Question ID: 41652915648
Option 1 ID: 41652961176
Option 2 ID: 41652961177
Option 3 ID: 41652961175
Option 4 ID: 41652961174
Status: Answered

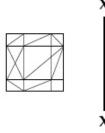
Chosen Option : 2

Comprehension:

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

SubQuestion No: 34

Q.34



Options









Question Type : MCQ

Question ID: 41652915646

Option 1 ID: 41652961169
Option 2 ID: 41652961167
Option 3 ID: 41652961166
Option 4 ID: 41652961168
Status: Answered

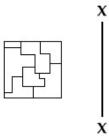
Chosen Option : 2

Comprehension:

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

SubQuestion No: 35

Q.35



Options









Question Type : MCQ

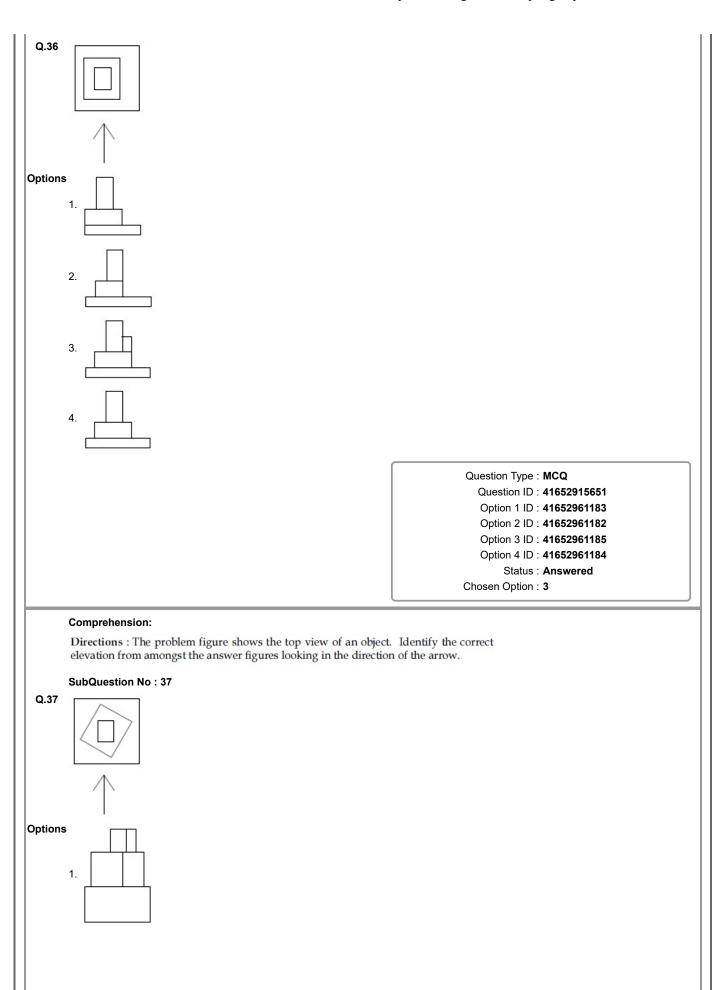
Question ID: 41652915649
Option 1 ID: 41652961181
Option 2 ID: 41652961180
Option 3 ID: 41652961179
Option 4 ID: 41652961178
Status: Answered

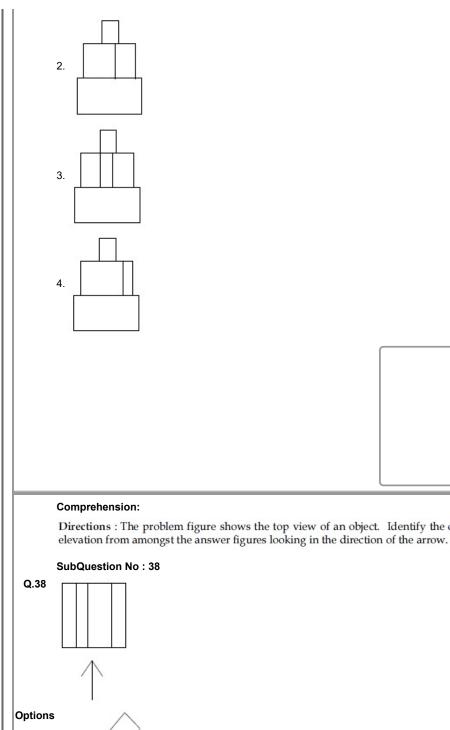
Chosen Option: 2

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: 36





Question Type: MCQ

Question ID: 41652915653 Option 1 ID: 41652961192 Option 2 ID: 41652961191 Option 3 ID: 41652961190 Option 4 ID: 41652961193 Status : Answered

Chosen Option: 4

Directions: The problem figure shows the top view of an object. Identify the correct







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4.

Question Type : MCQ

Question ID: 41652915655 Option 1 ID: 41652961201 Option 2 ID: 41652961200 Option 3 ID: 41652961198 Option 4 ID: 41652961199

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: 39

Q.39





Options









Question Type : MCQ

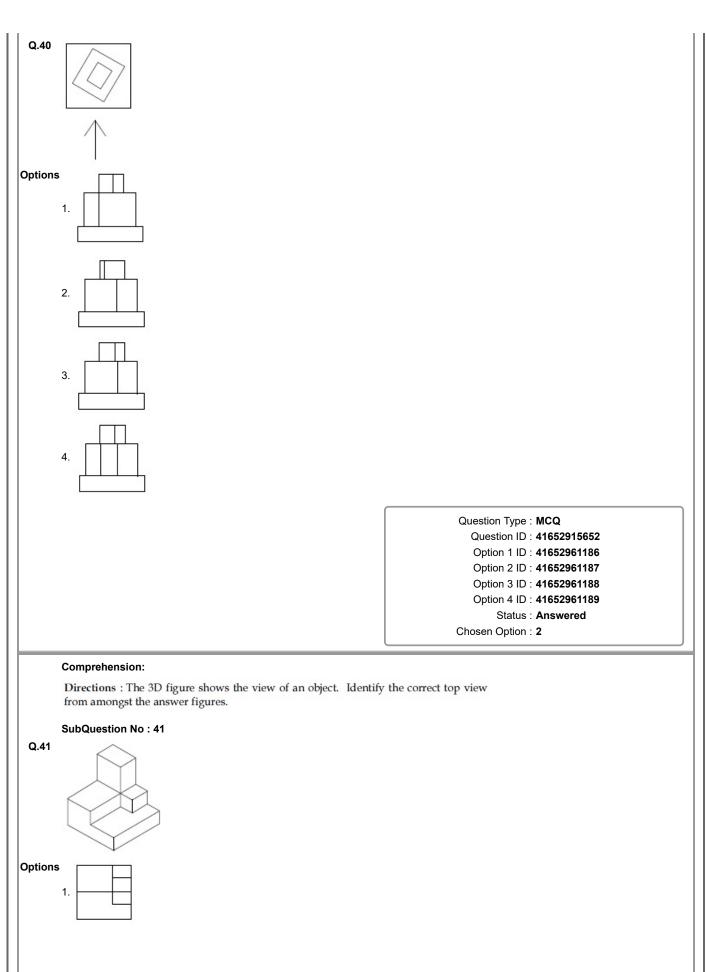
Question ID: 41652915654
Option 1 ID: 41652961197
Option 2 ID: 41652961195
Option 3 ID: 41652961194
Option 4 ID: 41652961196
Status: Answered

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: 40



2.	
3.	
о. <u> </u>	
4.	
	Question Type : MCQ Question ID : 41652915658
	Option 1 ID : 41652961207 Option 2 ID : 41652961209
	Option 3 ID : 41652961206 Option 4 ID : 41652961208
	Status : Answered Chosen Option : 2
Comprehension:	
Directions: The 3D figure shows the view of an object. In	dentify the correct top view
from amongst the answer figures. SubQuestion No: 42	
Q.42	
Options 1.	
2.	
3.	
4.	
	Question Type : MCQ Question ID : 41652915659 Option 1 ID : 41652961213 Option 2 ID : 41652961211 Option 3 ID : 41652961212

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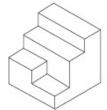
Option 4 ID : 41652961210 Status : Answered Chosen Option : 2

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: 43

Q.43



Options









Question Type : \boldsymbol{MCQ}

Question ID: 41652915660
Option 1 ID: 41652961216
Option 2 ID: 41652961214
Option 3 ID: 41652961215
Option 4 ID: 41652961217
Status: Answered

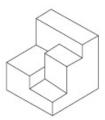
Chosen Option: 2

Comprehension:

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

SubQuestion No: 44

Q.44



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Options 1. 2.	——————————————————————————————————————	
3.		
4.		Question Type : MCQ Question ID : 41652915661
		Option 1 ID : 41652961218 Option 2 ID : 41652961220 Option 3 ID : 41652961219 Option 4 ID : 41652961221 Status : Answered Chosen Option : 2
Compret Directio from am	nension: ns : The 3D figure shows the view of an object. Identify tongst the answer figures.	the correct top view
Q.45	ation No : 45	
Options 1.		
3.	<u> </u>	
4.		
		Question Type : MCQ Question ID : 41652915657

Option 1 ID: 41652961203
Option 2 ID: 41652961205
Option 3 ID: 41652961204
Option 4 ID: 41652961202
Status: Answered

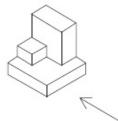
Chosen Option : 2

Comprehension:

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

SubQuestion No: 46

Q.46



Options









Question Type : \boldsymbol{MCQ}

Question ID: 41652915664
Option 1 ID: 41652961227
Option 2 ID: 41652961229
Option 3 ID: 41652961226
Option 4 ID: 41652961228
Status: Answered

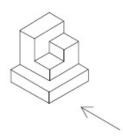
Chosen Option: 1

Comprehension:

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

SubQuestion No: 47

Q.47



Options Question Type : MCQ Question ID: 41652915667 Option 1 ID: 41652961239 Option 2 ID: 41652961240 Option 3 ID: 41652961238 Option 4 ID: 41652961241 Status : Answered Chosen Option: 2 Comprehension: Directions: The 3D figure shows the view of an object. Identify the correct side view looking in the direction of the arrow, from amongst the answer figures. SubQuestion No: 48 Q.48 Options Question Type: MCQ Question ID: 41652915663 Option 1 ID: 41652961223 Option 2 ID: 41652961225

Option 3 ID : **41652961224**Option 4 ID : **41652961222**Status : **Answered**

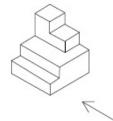
Chosen Option: 2

Comprehension:

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

SubQuestion No: 49

Q.49



Options

1.







Question Type : MCQ

Question ID : 41652915666
Option 1 ID : 41652961237
Option 2 ID : 41652961235
Option 3 ID : 41652961234
Option 4 ID : 41652961236
Status : Answered

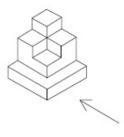
Chosen Option : 2

Comprehension:

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

SubQuestion No: 50

Q.50



Options Question Type: MCQ Question ID: 41652915665 Option 1 ID: 41652961232 Option 2 ID: 41652961233 Option 3 ID: 41652961231 Option 4 ID: 41652961230 Status: Answered Chosen Option: 2 Section : Drawing In the space provided in the answer sheet Question Type: SUBJECTIVE for this question, draw margin lines to form Question ID: 41652915668 a frame. In this frame create an aesthetic Status: Not Attempted composition using only 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.

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20 marks

Q.2 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 : 41652915669
Status : Not Attempted



Q.3 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 square table cloth. Color or shade it to enhance its visual quality.

OR

Draw a picture of a classroom looking towards the teacher from behind the students.

OR

Draw from imagination a picture of an officer sitting in his office.

Question Type : SUBJECTIVE

Question ID : 41652915670

Status : Not Attempted

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