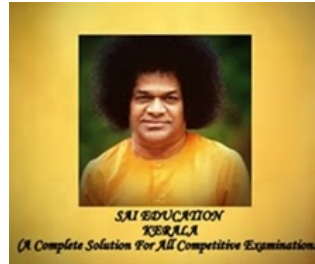


# 108 Days Online Coaching For Mission 2021 -Day(9)- 08/01/2021, Friday

SQUARE ROOT AND CUBE ROOT (1-4)



Name of the candidates \*

M1

Place of the candidates \*

KOZHIKODE

WhatsApp number (Joined in sai edn coaching platform)

0101

Questions

Please watch the online classes and answer the following questions.

<https://youtu.be/790Sk6evQFs>

<https://youtu.be/44dgx-zJLmE>

[https://youtu.be/fbCS0j20z\\_M](https://youtu.be/fbCS0j20z_M)

<https://youtu.be/FUYNOMopMGQ>

1)  $\sqrt{248} + \sqrt{(52 + \sqrt{144})}$  \*

1 point

16

14

11

7

2) Evaluate:  $\sqrt[3]{16384}$  \*

1 point

111

128

150

100

3) Show that 216 is a perfect cube. Find the number whose cube is 216. \*

1 point

5

4

6

7

4) What is the smallest number by which 3087 may be multiplied so that the product is a perfect cube? \*

1 point

- 2
- 4
- 9
- 3

5) What is the smallest number by which 392 may be divided so that the quotient is a perfect cube? \*

1 point

- 94
- 49
- 79
- 97

6) Find cube:  $(-7)^3$  \*

1 point

- 343
- 345
- 47
- 39

7) Find cube:  $(\frac{1}{3})^3$  \*

1 point

- 125/17
- 125/27
- 125/19
- 115/27

8) Find cube:  $(0.06)^3$  \*

1 point

- 27/125000
- 27/128000
- 24/125000
- 27/12500

9)  $(\sqrt{24} + \sqrt{216}) / \sqrt{96} = ?$  \*

1 point

- 3
- 2
- 1
- 8

10)  $(\sqrt{5} - \sqrt{3}) / (\sqrt{5} + \sqrt{3})$  is equal to ? \*

1 point

- (1 -  $\sqrt{15}$ )
- (2 -  $\sqrt{15}$ )
- (3 -  $\sqrt{15}$ )
- (4 -  $\sqrt{15}$ )

11)  $1 / (\sqrt{9} - \sqrt{8}) = ? *$

1 point

- (3 +  $2\sqrt{2}$ )
- (3 +  $3\sqrt{2}$ )
- (3 +  $5\sqrt{2}$ )
- (3 +  $7\sqrt{2}$ )

12) The cube root of .000027 is ? \*

1 point

- 0.03
- 0.04
- 0.00
- 0.09

13) The least number by which 216 must be divided to make the result a perfect square is ? \*

1 point

- 4
- 6
- 8
- 9

14) The value of  $\sqrt{0.121}$  is ? \*

1 point

- 0.345
- 0.347
- 0.349
- 0.000

15) The cube root of .000216 is: \*

1 point

- 0.6
- 0.006
- 0.06
- 0.66

16) What is the cube root of 2197? \*

1 point

- 10
- 13
- 14
- 11

17) The least number by which 294 must be multiplied to make it a perfect square, is: \*

1 point

- 3
- 6
- 9
- 10

18) The least number by which 1470 must be divided to get a number which is a perfect square, is \*

1 point

- 30
- 40
- 45
- 22

19) Evaluate:  $\sqrt[3]{216 \times (-343)}$  \*

1 point

- 31
- 41
- 34
- 42

20)  $\sqrt{248} + \sqrt{(52 + \sqrt{144})}$  \*

1 point

- 10
- 16
- 11
- 13

Thank you!

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