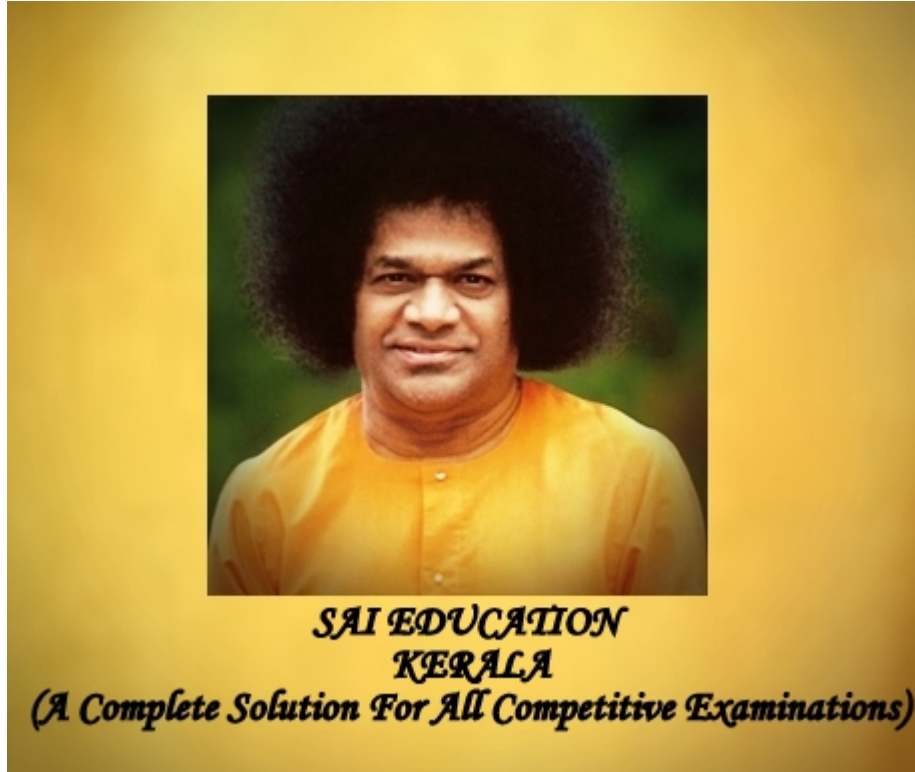


# ONLINE COACHING DAY 07 (13-03-19)- SQUARE ROOT AND CUBE ROOT

KERALA UNIVERSITY ASSISTANT SPECIAL



NAME OF THE CANDIDATE \*

M2

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PLEASE WATCH THE ONLINE VIDEO (VIDEO NO.1-4)

<https://youtu.be/FUYNOMopMGQ>

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

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

<https://youtu.be/N-SUz4S7PoQ>

1. The cube root of .000216 is:

1 point

- .6
- .06
- 77
- 87

2. What should come in place of both x in the equation  $x/\sqrt{128} = \sqrt{162}/x$

1 point

- 12
- 14
- 144
- 196

3. The least perfect square, which is divisible by each of 21, 36 and 66 is:

1 point

- 213444
- 214344
- 214434
- 231444

4.  $\sqrt{1.5625} = ?$

1 point

- 1.05
- 1.25
- 1.45
- 1.55

5. If  $3\sqrt{5} + \sqrt{125} = 17.88$ , then what will be the value of  $\sqrt{80} + 6\sqrt{5}$ ?

1 point

- 13.41
- 20.46
- 21.66
- 22.35

6. If  $a = 0.1039$ , then the value of  $\sqrt{(4a^2 - 4a + 1)} + 3a$  is:

1 point

- 0.1039
- 0.2078
- 1.1039
- 2.1039

7. If  $x = (\sqrt{3} + 1)/(\sqrt{3} - 1)$  and  $y = (\sqrt{3} - 1)/(\sqrt{3} + 1)$ , then the value of  $(x^2 + y^2)$  is:

1 point

- 10
- 13
- 14
- 15

8. A group of students decided to collect as many paise from each member of group as is the number of members. If the total collection amounts to Rs. 59.29, the number of the member is the group is:

1 point

- 57
- 67
- 77
- 87

9. The square root of  $(7 + 3\sqrt{5})(7 - 3\sqrt{5})$  is

1 point

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

10. If  $\sqrt{5} = 2.236$ , then the value of  $\sqrt{5}/2 - 10/\sqrt{5} + \sqrt{125}$  is equal to:

1 point

- 5.59
- 7.826
- 8.944
- 10.062

11.  $[(\sqrt{625}/11) \times (14/\sqrt{25}) \times (11/\sqrt{196})]$  is equal to:

1 point

- 5
- 6
- 8
- 11

12.  $\sqrt{0.0169} \times ? = 1.3$

1 point

- 10
- 100
- 1000
- None of these

13.  $[\sqrt{3} - (1/\sqrt{3})]^2$  simplifies to:

1 point

- 3/4
- $4/\sqrt{3}$
- 4/3
- None of these

14. How many two-digit numbers satisfy this property.: The last digit (unit's digit) of the square of the two-digit number is 8 ?

1 point

- 1
- 2
- 3
- None of these

15. The square root of 64009 is:

1 point

- 253
- 347
- 363
- 803

16.  $[\sqrt{7} - (1/\sqrt{7})]^2$  simplifies to

1 point

- $36/\sqrt{7}$
- 7/36
- 36/7
- $7/\sqrt{36}$

17.  $\sqrt{(0.0576 \times ?)} = 0.24$

1 point

None of these

10

1

0.1

18. If  $\sqrt{7} = 2.645$ , then find the value of  $\sqrt{7/2 - 10/\sqrt{7} + \sqrt{175}}$

1 point

7.22

8.92

6.72

10.77

19. The square root of  $(14 + 2\sqrt{13})(14 - 2\sqrt{13})$  is

1 point

8

9

10

12

20. whole  $\sqrt{(248 + \sqrt{64})} = ?$

1 point

21

14

12

16

21.  $\sqrt[3]{1 \frac{9}{16}}$ =? (Whole root of 1 and 9/16)

1 point

- 1 1/6
- 1 1/3
- 1 1/2
- 1 1/4

22.  $\sqrt[3]{41 - \sqrt{21 + \sqrt{19 - \sqrt{9}}}}$ =?

1 point

- 3
- 4
- 5
- 6

23. Cube root of 4 and  $12/125$  = ?

1 point

- 1
- 1 2/5
- 1 3/5
- 1 4/5

24. cube root of square root of 0.000064 =?

1 point

- 0.2
- 0.4
- 0.1
- 0.3

25.  $140\sqrt{?} + 315 = 1015$

1 point

25

15

5

50

Thank You!!! 

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