

## Online Coaching Day 8 -(29-08-2019)

SQUARE ROOT AND CUBE ROOTS



Name of the candidate \*

M3

Place of the candidate \*

Thiruvananthapuram

WHATS APP NUMBER (JOINED IN SAI EDUCATION ONLINE COACHING PLATFORM GROUP) \*

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Please watch the following videos 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/N-SUz4S7PoQ>  
<https://youtu.be/FUYNOMopMGQ>

1. Squareroot of 7225 \*

1 point

65

75

85

95

2. Cube root of 729 \*

1 point

23

9

13

19

3. Find the greatest number of 5 digit which is a perfect square \*

1 point

99856

99586

99658

99685

4. The sum of a positive integer and its square is 2450. The positive integer is \*

1 point

- 45
- 48
- 49
- 50

5. Find the smallest number that must be multiplied to 3150 to make it a perfect square \*

1 point

- 13
- 14
- 15
- 16

6. The cube root of .000216 is: \*

1 point

- A. .6
- B. .06
- C. .77
- D. .87

7.  $(1.5625)^{(1/2)} = ?$  \*

1 point

- A. 1.05
- B. 1.25
- C. 1.45
- D. 1.55

8. Find is the value of \*

1 point

$$\sqrt{10 + \sqrt{27 + \sqrt{65 + \sqrt{256}}}}$$

- a. 9
- b. 8
- c. 6
- d. 4

9. Find the value of \*

1 point

$$\sqrt[3]{\sqrt{.000729}}$$

- a. 0.3
- b. 0.7
- c. 0.09
- d. None of these

10. If  $\sqrt{15625} = 125$ , then find the value of  $(\sqrt{156.25} + \sqrt{1.5625} + \sqrt{0.015625} + \sqrt{0.00015625})$  \*

1 point

- a. 1.38875
- b. 13.8875
- c. 138.875
- d. 1388.75

11. If  $\sqrt{(3^n)} = 2187$ , then , find the value of n \*

1 point

- a. 7
- b. 9
- c. 11
- d. 14

12. The digit in the unit's place in the square root of 15876 is: \*

1 point

- (A) 1
- (B) 3
- (C) 6
- (D) 9

13. What is the square root of 0.16? \*

1 point

- (A) 0.004
- (B) 0.04
- (C) 0.4
- (D) 0.48

14. Find the smallest perfect square divisible by 3, 4, 5 and 6 \*

1 point

- 800
- 900
- 700
- 1000

15. A ladder 10m long rests against a vertical wall. If the foot of the ladder is 6m away from the wall and the ladder just reaches the top of the wall, how high is the wall? \*

1 point

 6 7 8 9

16. Find the length of a diagonal of a rectangle with dimensions 20m by 15m. \*

1 point

 25m 30m 10m 40m

17. A certain number of people agree to subscribe as many rupees each as a there are subscribers. The whole subscription is 2582449 rupees. Find the number of subscribers. \*

1 point

 1607 1802 2056 2287

18. Find the least number which when multiplied with 74088 will make it a perfect square. \*

1 point

 19 22 36 42

19. The student of class XI of a school donated 4356 Rupees in all, for Prime Minister's National Relief Fund. Each student donated as many rupees as the number of students in the class. Find the number of students \*

1 point

 61 66 72 78

20. If  $\sqrt{y/169} = 54/39$ , then y is equal to ? \*

1 point

 267 324 448 527

21.  $\sqrt{(176 + \sqrt{2401})} = ?$  \*

1 point

- 25
- 20
- 15
- 10

22. In an auditorium, the number of rows is equal to the number of chairs in each row. If the capacity of the auditorium is 2025, find the number of chairs in each row.

1 point

\*

- 34
- 45
- 52
- 66

23. Evaluate the cube root:  $\sqrt[3]{343}$ 

1 point

- 1
- 5
- 7
- 11



24. A person wants to arrange his colleagues in the form of a perfect square, but he finds there are 9 persons too many. What will be the total number of persons in front row, if the total number of persons with him is 2410? \* 1 point

- 41
- 47
- 48
- 49

25. What is the cube root of 2197? \*

1 point

- 12
- 13
- 14
- 15

Thankyou!!!



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