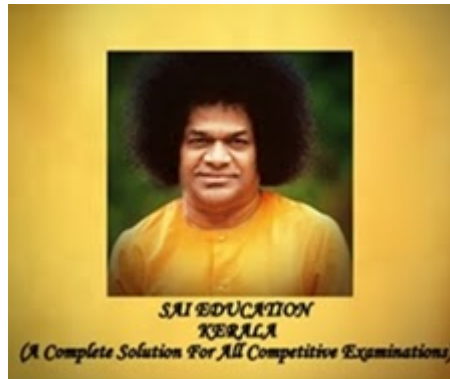


108 DAYS ONLINE COACHING DAY(8) -16/07/2020 THURSDAY

SQUARE ROOT AND CUBE ROOT (1-4)



Name of the candidate *

M3

Place of the candidate *

Thiruvananthapuram

WHAT APP NUMBER (JOINED IN SAI EDUCATION ONLINE COACHING PLATFORM) *

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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/FUYNOMopMGQ>

1.The cube root of .000216 is: *

1 point

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

2. square root of 1.5625 = ? *

1 point

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

3. If cuberoot 5 + sqrt 125 = 17.88, then what will be the value of sqrt80 + 6 x sqrt 5 ? * 1 point

- A. 13.41
- B. 20.46
- C. 21.66
- D. 22.35

4. The square root of (7 + 3 sqrt of5) (7 - 3 sqrt of5) is * 1 point

- A. sqrt5
- B. 2
- C. 4
- D. 3sqrt5

5. * 1 point

$$\sqrt{248 + \sqrt{64}}$$

- 14
- 26
- 16
- 36

6. *

1 point

$$\sqrt{1\frac{9}{16}}$$

- 1(1/6)
- 1(1/5)
- 1(1/4)
- 1(1/3)

7. By what least number should we multiply 1008 to make it a perfect square? *

1 point

- 8
- 7
- 2
- 5

8. *

1 point

$$\sqrt{53824}$$

- 132
- 232
- 342
- 253

9. *

1 point

$$\sqrt{10 + \sqrt{25 + \sqrt{108 + \sqrt{154 + \sqrt{225}}}}}$$

- 16
- 8
- 6
- 4

10. *

1 point

$$\frac{2707}{\sqrt{x}} = 27.07$$

- 1000
- 10000
- 1000000
- 100000000

11. What is the smallest number by which 3600 be divided to make it a perfect cube. *

1 point

- 450
- 445
- 440
- 430

12. If $a = 0.1039$, then the value of *

1 point

$$\sqrt{4a^2 - 4a + 1} + 3a \text{ is:}$$

- 0.1039
- 0.2078
- 1.1039
- 2.1039

13. Find the least number by which 750 should be multiplied, so that it becomes a perfect cube * 1 point

- A. 12
- B. 24
- C. 36
- D. 48

14. Which is the smallest number, with which 600 should be multiplied so that it becomes a perfect square? * 1 point

- A. 2
- B. 3
- C. 3.5
- D. 6

15. If $\sqrt{y/169} = 54/39$, then y is equal to ? * 1 point

- A. 267
- B. 324
- C. 448
- D. 527

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

1 point

- A. 16
- B. 14
- C. 11
- D. 7

17. If $\sqrt{3} = 1.732$ and $\sqrt{2} = 1.414$, the value of $1/(\sqrt{3} + \sqrt{2})$ is ? *

1 point

- A. 0.318
- B. .0318
- C. 03.18
- D. 031.8

18. If $\sqrt{6} = 2.55$, then the value of $\sqrt{2/3} + 3\sqrt{3/2}$ is ? *

1 point

- A. .4675
- B. 4.675
- C. 46.75
- D. 467.5

19. Evaluate: $\sqrt{16384}$ *

1 point

- A. 128
- B. 133
- C. 142
- D. 157

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

1 point

- A. -9
- B. -20
- C. -31
- D. -42

21. A solid cube is painted red in all its faces and cut into 343 smaller cubes of equal size .How many smaller cubes will be there with one side only. *

1 point

- 60
- 150
- 125
- 175

22. Find the length of the longest pole that can be placed a room 12m long ,8m broad and 9m high * 1 point

- 12
- 15
- 17
- 19

23. $\sqrt{(0.324 \times 0.081 \times 4.624) / (1.5625 \times 0.0289 \times 72.9 \times 64)} = ? *$

1 point

- A. 24
- B. 2.4
- C. 0.24
- D. 0.024

24. Find cube: $(1\frac{2}{3})^3 *$

1 point

- A. 125/12
- B. 125/19
- C. 125/22
- D. 125/27

25. $1/(\sqrt{9} - \sqrt{8}) = ?$ *

1 point

- A. $(3 + 2\sqrt{2})$
- B. $(3 + 3\sqrt{2})$
- C. $(3 + 5\sqrt{2})$
- D. $(3 + 7\sqrt{2})$

Thankyou!!!

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