

108 DAYS ONLINE COACHING- (DAY 9)-[14-02-2020~FRIDAY]

SQUARE ROOT, CUBE ROOT AND DICES



NAME OF THE CANDIDATE *

M4

PLACE OF THE CANDIDATE *

PATHANAMTHITTA

WHAT'S APP NO (JOINED IN THE SAI EDUCATION COACHING PLATFORM) *

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PLEASE WATCH THE ONLINE CLASSES CAREFULLY AND NOTE DOWN IT IN YOUR DIARY BEFORE SENDING THE ANSWERS.

<https://youtu.be/FUYNOMopMGQ>

https://youtu.be/fbCS0j20z_M

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

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

1. The cube root of .000216 is: *

1 point

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

2. What should come in place of both x in the equation? *

1 point

$$\frac{x}{\sqrt{128}} = \frac{\sqrt{162}}{x}$$

- A. 12
- B. 14
- C. 144
- D. 196

3. Square root of 1.5625 = ? *

1 point

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

4. Find out *

1 point

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

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

5. find the value of *

1 point

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

- A. 10
- B. 13
- C. 14
- D. 15

6. Find the *

1 point

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

- A. 5
- B. 2
- C. 4
- D. 3

7. solve it *

1 point

 $\left(\frac{\sqrt{625}}{11} \times \frac{14}{\sqrt{25}} \times \frac{11}{\sqrt{196}}\right)$ is equal to:

- A. 5
- B. 6
- C. 8
- D. 11

8. find the number in place of question mark? *

1 point

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

- A. 10
- B. 100
- C. 1000
- D. None of these

9. simplify it *

1 point

$\left(\sqrt{3} - \frac{1}{\sqrt{3}}\right)^2$ simplifies to:

- A. 4/3
- B. 2/3
- C. 1/3
- D. 3/2

10. What is the square root of 0.16? *

1 point

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

11. square root of 0.00004761 is *

1 point

- (A) 0.000690
- (B) 0.0069
- (C) 0.0609
- (D) 0.069

12. solve it. *

1 point

$$\sqrt{0.01 + \sqrt{0.0064}} = ?$$

- (A) 0.03
- (B) 0.3
- (C) 0.42
- (D) None of these

13. Find the cube root of 421875? *

1 point

- 75
- 85
- 65
- 95

14. $75 \times 75 = ?$ *

1 point

- 4225
- 5625
- 7225
- 9025

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

- 25
- 37
- 17
- 43

16. Find a smallest square which can be divided by 3,4,5,6 and 8? * 1 point

- 250
- 3600
- 1007
- 4300

17. Which is the smallest no by which multiplied by 700 we will get a perfect cube? * 1 point

- 490
- 370
- 107
- 430

18. Which is the smallest no which can be divided by 12,41, and 21? *

1 point

- 64
- 46
- 76
- 84

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

1 point

- 8
- 7
- 2
- 5

20. What should come in place of question mark in *

1 point

$$\frac{\sqrt[3]{?}}{2.56} = \frac{100}{?}$$

- 16
- 4
- 64
- 256

21. Find the number in the place of questionmark? *

1 point

$$(0.4)^2 + (0.2)^2 = \sqrt{?}$$

- 0.04
- 0.4
- 0.06
- 0.2

22. Four-fifth of one-eighth of $\frac{3}{4}$ th of A is 64. What is the cube root of $\frac{3}{5}$ th of A? *

1 point

- 5
- 8
- 3
- 4

23. Sum of squares of two numbers is 145. If square root of one number is 3, find the other number? *

1 point

- 136
- 9
- 64
- 8

24. What is smallest number with which 5400 may be multiplied so that the product is perfect cube? * 1 point

- 5
- 3
- 4
- 6

25. What least number should be multiplied with 384 to make it a perfect square? * 1 point

- 3
- 6
- 2
- 8

THANK YOU!!!

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