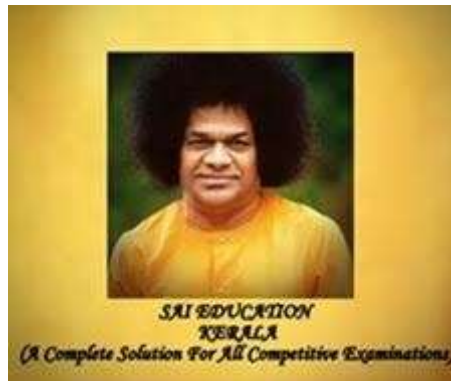


# 108 DAYS ONLINE COACHING FOR MISSION 2021, DAY(107),26/05/2021, WEDNESDAY

LINEAR & QUADRATIC EQUATION

Email \*

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NAME OF THE CANDIDATE ( PLEASE ENTER YOUR FULL NAME) \*

M2

PLACE OF THE CANDIDATE \*

Kannur



WHAT'S APP NUMBER (JOINED IN SAI EDUCATION OCT KERALA GROUP) \*

666

## QUESTIONS

WATCH THE ONLINE CLASSES CAREFULLY AND WRITE DOWN IN YOUR DIARY AND ANSWER THE FOLLOWING QUESTIONS

<https://youtu.be/PNOjOvhGhkw>

<https://youtu.be/btHGqCZb1BY>

<https://youtu.be/f-6E6-y3dP4>

<https://youtu.be/Qp0AkGDO3gg>

1. Which of the following is not a linear equation in one variable? \*

1 point

- $33z+5$
- $33(x+y)$
- $33x+5$
- $33y+5$

2. The solution of  $2x-3=7$  is: \*

1 point

- 5
- 7
- 11
- 12

3. The solution of  $2y + 9 = 4$  is: \*

1 point

- 9/2
- 4/9
- $-\frac{2}{5}$
- $-\frac{5}{2}$

4. What should be added to  $-\frac{7}{3}$  to get  $\frac{3}{7}$ ? \*

1 point

- 21/58
- 58/21
- 47/21
- 50/21

5. The quadratic equation has degree \*

1 point

- 0
- 1
- 2
- 3

6.  $2x+3y=17$ ,  $3x-2y=6$ . Find the value of  $x$  and  $y$ . \*

1 point

- $x=4, y=3$
- $x=2, y=2$
- $x=6, y=4$
- $x=3, y=1$

7.  $8x+5y=9$ ,  $3x+2y=4$ , find the value of  $x$  and  $y$ . \*

1 point

- $x=-2, y=4$
- $x=3, y=1$
- $x=5, y=3$
- $x=-2, y=5$

8.  $5x+7y=10$ ,  $6x+2y=12$ , find the value of  $x$  and  $y$ . \*

1 point

- $x=8, y=0$
- $x=5, y=3$
- $x=2, y=0$
- $x=1, y=5$

9.  $4x+3y=9$ ,  $2x+4y=10$  , find the value of x and y \*

1 point

- $x=5/3,y=5/11$
- $x=3/5,y=11/5$
- $x=2/3,y=1/4$
- $x=5/4,y=7/3$

10. Solve  $(x + 1)(x - 3) = 0$ . \*

1 point

- 1,3
- 2,-3
- 4,5
- 5,-4

11. I.  $a^2 - 9a + 20 = 0$ , II.  $2b^2 - 5b - 12 = 0$  to solve both the equations to find the values of a and b? \*

1 point

- $a < b$
- $a \leq b$
- $a > b$
- $a \geq b$

12. I.  $a^2 + 11a + 30 = 0$ , II.  $b^2 + 6b + 5 = 0$  to solve both the equations to find the values of a and b? \* 1 point

- $a < b$
- $a \leq b$
- $a > b$
- $a \geq b$

13. I.  $a^2 + 8a + 16 = 0$ , II.  $b^2 - 4b + 3 = 0$  to solve both the equations to find the values of a and b? \* 1 point

- $a < b$
- $a > b$
- $a \leq b$
- $a \geq b$

14. I.  $a^2 - 2a - 8 = 0$ , II.  $b^2 = 9$  to solve both the equations to find the values of a and b? \* 1 point

- $a < b$
- $a > b$
- $a \leq b$
- cannot be determined

15. I.  $x^2 - x - 42 = 0$ , II.  $y^2 - 17y + 72 = 0$  to solve both the equations to find the values of  $x$  and  $y$ ? \* 1 point

- $x < y$
- $x > y$
- $x <= y$
- $x >= y$

16. I.  $x^2 + 3x - 18 = 0$ , II.  $y^2 + y - 30 = 0$  to solve both the equations to find the values of  $x$  and  $y$ ? \* 1 point

- cannot be determined
- $x = y$
- $x <= y$
- $x > y$

17. I.  $x^2 + 11x + 30 = 0$ , II.  $y^2 + 15y + 56 = 0$  to solve both the equations to find the values of  $x$  and  $y$ ? \* 1 point

- $x >= y$
- $x <= y$
- $x < y$
- $x > y$

18. I.  $9a^2 + 18a + 5 = 0$ , II.  $2b^2 + 13b + 20 = 0$  to solve both the equations to find the values of a and b? \*

1 point

- a<b
- a>b
- a<=b
- a>=b

19. I.  $a^2 - 13a + 42 = 0$ , II.  $b^2 - 15b + 56 = 0$  to solve both the equations to find the values of a and b? \*

1 point

- a<b
- a>b
- a>=b
- a<=b

20. I.  $a^2 - 7a + 12 = 0$ , II.  $b^2 - 3b + 2 = 0$  to solve both the equations to find the values of a and b? \*

1 point

- a>b
- a<b
- a<=b
- a>=b

**AFTER SUBMITTING THE TEST, PLEASE CHECK YOUR PROVIDED EMAIL TO VIEW YOUR SCORE AND RESPONSE SHEET. THANK YOU!!!**



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