ONLINE COACHING - DAY 95 (13/06/2020 - SATURDAY)

Total points 25/25

TOPIC : Surds and Indices

0 of 0 points

Name of the Candidate *

M5

Place of the Candidate *

Thrissur

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

25 of 25 points

https://youtu.be/WZtVfJ6svms
https://youtu.be/upanEVr9WIE
https://youtu.be/nbh_2E4NQzk
https://youtu.be/cHPR2FgNEEQ

✓ 1. √7 × √7 = ? * 1/1

- 2 √7
- √14
- 7 ✓
- √49

✓ 2. (√5 + √3)^2 = ? * 1/1

- 10 √15
- 16 V15

- 8×2√15
- 8+2√15 ✓

✓ 3. 8 √3 - 2 √3 = ? * 1/1

- 6 √3 ✓
- 7.1426
- 10√3
- 18

✓ 4. (√7 – √3)^2 = ? * 1/1

- 10 + 2√21
- 20 √21
- 10 - 2√21 ✓
- 10 √21

✓ 5. 1 / (√7 + √5) = ? * 1/1

- (√7 - √5) / 12
- (√7 - √5) / 2 ✓
- (√7 + √5) / 2

(√7 + √5) / 12

✓ 6. 1 / (√8 - √2) = * 1/1

(√8 - √2) / 10

(√8 - √2) / 6

(√8 + √2) / 10

(√8 + √2) / 6 ✓

✓ 7. √(5^2 × 3) = ? * 1/1

√125

5

5√3 ✓

25

✓ 8. (√5 + √3) (√5 - √3) = ? * 1/1

2 ✓

4

6

8

✓ 9. √27 + √125= ? * 1/1

- 9√3
- 34 √3
- 8√3
- 3√3+5√5 ✓

✓ 10. √20 + ? = √180 * 1/1

- √80 ✓
- √90
- √160
- 16√8

✓ 11. √675 / √243 = ? * 1/1

- 3/2
- 4/3
- 5/3 ✓
- 7/3

✓ 12. 4√27 + √75 = ? * 1/1

- 25√3
- 17√3 ✓
- 5√3
- 9√3

✓ 13. √3 = 1.732, √2 = 1.414 then 1/(√3 +√2) * 1/1

- √5
- √1
- 0.318 ✓
- 3.146

✓ 14. 2√27 - √75 + √12 = ? * 1/1

- √3
- 2√3
- 3√3 ✓
- 4√3

✓ 15. 3^4 × 3^5 = ? * 1/1

- ○ 3
- ○ 9^9
- ○ 12^9
- ◉ 3 ^9 ✓

✓ 16. (3^2)^3 = ? * 1/1

- ○ 3^9
- ◉ 3^6 ✓
- ○ 27
- ○ 6^3

✓ 17. (4×2)^5 = ? * 1/1

- ◉ 8^5 ✓
- ○ 4^5 × 10
- ○ 8^5 × 10
- ○ 8^10

✓ 18. a^m = b^m then which of the following is true? * 1/1

- (a+b)^m
- (a-b)^m
- a=b ✓
- a=b=m

✓ 19. 8^3 ÷ 8^2 = ? * 1/1

- 4
- 5
- 2
- 8 ✓

✓ 20. 3^(-2) = ? * 1/1

- 1/3
- 9
- 1/9 ✓
- 3

✓ 21. 3×√27 = * 1/1

- (●) 9√3 ✓
- ( ) 3√3
- ( ) 3
- ( ) 9

✓ 22. (3/4)^2 = * 1/1

- ( ) 7/ 12
- (●) 9/16 ✓
- ( ) 16
- ( ) 9

✓ 23. cuberoot of (√27)3 = ? * 1/1

- (●) 27 ✓
- ( ) 3
- ( ) 9
- ( ) 1/3

✓ 24. cuberoot of √(8 × 27) = ? * 1/1

- [ ] 9
- [x] 6 ✓
- [ ] 8
- [ ] 3/2

✓ 25. √3 × √7 = ? * 1/1

- [ ] √10
- [x] √21 ✓
- [ ] √4
- [ ] √(7/3)