

ONLINE COACHING - [DAY 105]- (25/01/2020 ~ SATURDAY)

Total points 25/25 ?

TOPIC : AP and GP

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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25 of 25
points

<https://youtu.be/fY0ezJxVZZk>
<https://youtu.be/LSq7irqdmgc>

✓ 1. Find the sum of all 2 digit numbers which will exactly divided by 9 * 1/1

585



500

385

584

✓ 2. Find the sum of all 2 digit numbers when they are divided by 9 leaves remainders 3. * 1/1

500

525



585

575

✓ 3. The sum of second and fifth term of AP is 8 and that of the 3rd and 7th term is 14. Find the eleventh term? *

18

20

19

21



✓ 4. Find the 10th term of 5,10,20,40.... *

1/1

2760

2450

2550

2560



✓ 5. The seventh term of a GP is 8 times of the fourth term. What will be the first, if its 5th term is 48 *

1/1

5

3

6



0

9

✓ 6. The 6th and 8th terms of an AP are 12 and 22 respectively. Then its 2nd term is *

8

-8

6

-3



✓ 7. Find the first 3 terms of $a_n = 3n+2$? *

1/1

5,8,11

3,4,5

2,3,7

6,8,10



Feedback

5,8,11



✓ 8. Find out the AP whose first term is 10 and common difference is 3? * 1/1

- 10,11,12,13....
- 10,13,16,19....
- 10,12,14,16....
- 10,14,18,22.....



Feedback

10,13,16,19....

✓ 9. What is the first term and common difference in the given AP? 1/1
[0.3,0.55,0.80,1.05....] *

- 0.55,0.1
- 0.3,0.25
- 0.80,0.50
- 0.3,0.3



Feedback

0.3,0.25



✓ 10. Find the sixth term from the end of the AP 17,14,11,.....-40 ? *

1/1

-30

25

30

-25

✓

Feedback

-25

✓ 11. Find the n^{th} term of the AP given by 9,13,17,21,25.....? *

1/1

$4n+5$

$3n+2$

$5n+3$

$2n+1$

✓

Feedback

$4n+5$



✓ 12. Find the 16th term of the following arithmetic sequence~
9,12,15,18,.....? *

1/1

- 64
- 52
- 54
- 36



Feedback

54

✓ 13. The first term of an AP is -7 and the common difference is 5. Find its 18th term and the general term? *

1/1

- 72, $4n - 5$
- 78, $5n - 12$
- 64, $3n + 6$
- 33, $6n - 2$



Feedback

78, $5n - 12$



✓ 14. Determine the 10th term from the end of the AP 4,9,14,.....,254? * 1/1

232

264

209

218



Feedback

209

✓ 15. Which term of the sequence is 95?[AP =-1,3,7,11,.....] * 1/1

15

18

23

25



Feedback

25



✓ 16. In a flower bed there are 23 rose plants in the first row, twenty one in the second row, nineteen in the third row and so on. There are 5 plants in the last row. How many rows are there in the flower bed? * 1/1

10



12

16

22

Feedback

10

✓ 17. Subha Rao started work in 1995 at an annual salary of Rs 5000 and received a Rs 200 raise each year. In what year did his annual salary will reach Rs 7000? * 1/1

13

11



17

19



Feedback

11

✓ 18. If $2x, x+10, 3x+2$ are in AP, find the value of x ? *

1/1

6



8

3

4

Feedback

6

✓ 19. Find the sum of first 30 terms of an AP whose second term is 2 and seventh term is 22? *

1/1

1386

1470

1280

1680



Feedback

1680



✓ 20. Find the 5th term of the G. P: $1/7, 1/14, 1/28 \dots$ *

1/1

$1/108$

$1/112$

$1/128$

$2/112$



Feedback

$1/112$

✓ 21. Find the sum of the following infinite G. P. [$1/3, -2/9, 4/27, -8/81, \dots$] * 1/1

$1/2$

1

$1/3$

$1/5$



Feedback

$1/5$



✓ 22. Find the G. M. between $\frac{4}{9}$ and $\frac{169}{9}$. *

1/1

$\frac{26}{3}$

$\frac{26}{9}$

$\frac{15}{9}$

$\frac{26}{4}$



Feedback

$\frac{26}{9}$

✓ 23. The arithmetic mean between two numbers is 75 and their geometric mean is 21. Find the numbers. *

133,17

63,87

3,147

73,77



Feedback

3,147



✓ 24. The product of first three terms of a G. P. is 512. If we add 2 to its second term, the three terms form an A. P. Find the terms of the G. P. * 1/1

4,8,16

16,8,4

12,24,48

option a or b



Feedback

option a or b

✓ 25. Find 9th term of the following series: 5, 10, 20, 40? * 1/1

1024

980

1280

320



Feedback

1280



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