

108 Days Online coaching Day(41)~27/07/2021, Tuesday

AP AND GP (3)

Email *

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Name of the candidates *

M1

Place of the candidates *

Kozhikode

Whatsapp number (Joined In Sai edn Coaching Platform) *

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Questions

Please watch the online classes and answer the following questions.

<https://youtu.be/3BREHkSz4h8>

<https://youtu.be/fYOezJxVZZk>

1)The nth term of an A. P. is $6n + 11$. Find the common difference *

1 point

- 5
- 2
- 6
- 9

2)If the 8th term of an A. P. is 31 and the 15th term is 16 more than the 11th term, find the A. P. *

1 point

- 2
- 3
- 4
- 5

3)Which term of the arithmetic progression 5, 15, 25, ----- will be 130 more than its 31st term? *

1 point

- 40
- 44
- 36
- 84

4) Which term of the A. P. 3, 15, 27, 39..... will be 132 more than its 54th term? *

1 point

- 60
- 66
- 65
- 23

5) The 10th and 18th terms of an A. P. are 41 and 73 respectively. Find 26th term. *

1 point

- 100
- 101
- 102
- 105

6) If the n th term of the A. P. 9, 7, 5.... is same as the n th term of the A. P. 15, 12, 9..... find n *

1 point

- 8
- 7
- 6
- 1

7) The sum of the first 3 terms in an AP is 51 and that of the last 3 is 99. If the AP has 11 terms, what is the arithmetic mean of the middle 3 terms? *

- 45
- 25
- 69
- 23

8) In an AP, the ratio of the 2nd term to the 6th term is $\frac{2}{5}$. If the 8th term is 26, what is the 10th term? *

- 79
- 32
- 30
- 56

9) In an AP, the sum of the first 3 terms is -60 and that of the last 3 are 84. If there are 15 terms, what is the sum of the middle 3 terms? *

- 8
- 10
- 13
- 12

10) In an AP, the sum of the first 3 terms is -36 and that of the last 3 is 27 . If there are 10 terms, what are the 1st term and the common difference respectively? *

- 15,3
- 15,-3
- 3,-15
- 3,-16

11) In an AP, the ratio of the 7th term to the 10th term is -1 . If the 16th term is -15 , what is the 3rd term? *

- 11
- 11
- 111
- 12

12) The sum of the first 3 terms in an AP is 6 and that of the last 3 is 16 . If the AP has 13 terms, what is the sum of the middle three terms? *

- 10
- 11
- 11
- 13

13) In an AP, the ratio of the 2nd term to the 7th term is $\frac{1}{3}$. If the 5th term is 11, what is the 15th term? * 1 point

- 30
- 21
- 31
- 34

14) The 6th term of an AP is 6 and the 16th term is 14. What is the 27th term? * 1 point

- 114
- 111
- $\frac{114}{5}$
- $\frac{111}{3}$

15) In an AP of 21 terms, the sum of the first 3 terms is -33 and that of the middle 3 is 75. What is the sum of the AP? * 1 point

- 520
- 525
- 234
- 679

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

1 point

- 1/111
- 1/112
- 123/11
- 129/12

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

1 point

- 140
- 134
- 147 and 3
- 125 and 2

18) Find the G. M. between $4/9$ and $169/9$. *

1 point

- 24
- $26/9$
- 23
- 67

19) Find sum of first 5 terms of the G.P 2, 8, 32,... *

1 point

- 682
- 680
- 600
- 345

20) The geometric mean of two numbers is 6 and their arithmetic mean is 6.5. The numbers are *

1 point

- 9,5
- 9,4
- 7,7
- 9,9

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

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