108 DAYS ONLINE COACHING FOR MISSION 2021, DAY[42], 24/02/2021, WEDNESDAY

AP AND GP

SAI EDUCATION
KERALA
(A Complete Solution For All Competitive Examinations)
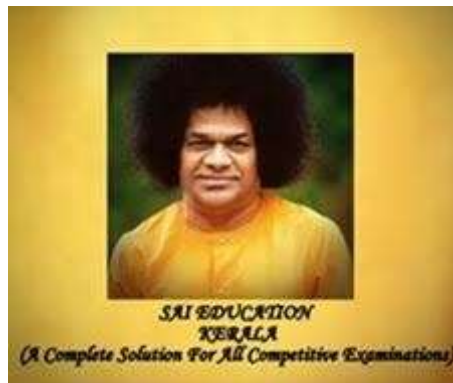
NAME OF THE CANDIDATE *

M2 ▼

PLACE OF THE CANDIDATE *

Kannur ▼

WHAT'S APP NUMBER JOINED IN SAI EDUCATION ONLINE COACHING PLATFORM *

666

QUESTIONS

PLEASE WATCH THE ONLINE CLASSES CAREFULLY AND ANSWER THE FOLLOWING QUESTIONS

https://youtu.be/3BREHkSz4h8
https://youtu.be/fYOezJxVZZk
https://youtu.be/LSq7irqdmgc

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1. Find the tenth term of 2,6,10,14,18........ *   1 point

○ 28

◉ 38

○ 48

○ 58

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2. Find the sum of 10 term of 2,6,10,14,18...... *   1 point

◉ 200

○ 400

○ 600

○ 800

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3. Find the total number of terms of 5,9,13,......,89 *   1 point

○ 11

◉ 22

○ 33

○ 44

4. Find the sum of 10 items of AP –11,–8,–5 *   1 point

○ 100

○ 75

○ 50

◉ 25

5. Find the sum of first 100 items of AP of 1,4,6,5,11,6,....... *   1 point

○ 6700

○ 5700

◉ 7600

○ 7400

6. Find the sum of first 99 terms. 1-2-3+2-3-4+3-4-5+_ _ _ *   1 point

○ -790

○ -830

○ - 950

◉ -660

7. Find the sum of 100 1-2-3+2-3-4+3-4-5+_ _ _ *   1 point

○ -336

○ -476

○ -556

◉ -626

8. Find the sum of all 2 digit numbers which will exactly decided by 9. *   1 point

○ 475

◉ 585

○ 735

○ 825

9. Find the sum of all 2 digits numbers when they are devided by 9 leaves remainders   1 point
3. *

○ 435

◉ 525

○ 635

○ 815

10.The sum of second and fifth term of AP is 8 and that of the third and seventh term   1 point
is 14.Find the eleventh in term. *

○ 15

○ 17

● 19

○ 21

11. Find the tenth term of 5,10,20,40,....... *   1 point

● 2560

○ 1420

○ 4750

○ 3630

12. The fifth term of the GP 3,6,12.....is *   1 point

○ 15

● 48

○ 2

○ 3

13. Find the 5th term of the G. P.: 1/7,1/14, 1/28 .. *　　　　　1 point

○ A. 1/108

◉ B. 1/112

○ C. 1/128

○ D. 2/115

14. Find the sum of the G. P.: 8/10, 8/100, 8/1000, 8/10000, ... to n terms. *　　　　　1 point

◉ A .8/9(1/10^n -1)

○ B.8/81(1/10^n -1)

○ C.9/8(1/10^n -1)

○ D. 8/90(1/10^n -1)

15. Find the sum of the following infinite G. P. 1/3,-2/9,4/27,-8/81,...... *　　　　　1 point

○ 1/2

○ 1

○ 1/3

◉ 1/5

16. The distance travelled (in m) by a ball dropped from a height are 128/9, 32/3, 8, 6...   1 point
How much distance will it travel before coming to rest ? *

○ 464/9 m

○ 120m

◉ 512/9 m

○ 256/9 m

17. Find the G. M. between 4/9 and 169/9. *   1 point

○ 26/3

◉ 26/9

○ 15/9

○ 26/4

18. What is the sum of all 3 digit numbers that leave a remainder of '2' when divided by 1 point
3? *

○ 897

◉ 1,64,850

○ 1,64,749

○ 1,49,700

19. What is the sum of all positive integers up to 1000, which are divisible by 5 and are   1 point
not divisible by 2? *

○ 10,050

○ 5050

○ 5000

◉ 50,000

20. The sum of third and ninth term of an A.P is 8. Find the sum of the first 11 terms of   1 point
the progression. *

◉ 44

○ 22

○ 19

○ None of the above

THANK YOU

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