108 DAYS ONLINE COACHING FOR MISSION 2020-(DAY 64)-[01-05-2020~FRIDAY]
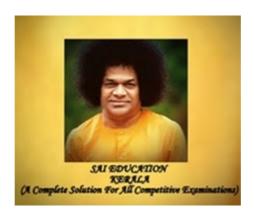
NUMBER SYSTEM

NAME OF THE CANDIDATE *

M4

PLACE OF THE CANDIDATE *

PATHANAMTHITTA

WHAT'S APP NO (JOINED IN THE SAI EDN COACHING PLATFORM) *

0

PLEASE WATCH THE ONLINE CLASSES CAREFULLY AND NOTE DOWN IT IN YOUR DIARY BEFORE SENDING THE ANSWERS

https://youtu.be/Bh9LGrsbkH4
https://youtu.be/-dl9CL5_VMQ
https://youtu.be/tigE_FDGaOI

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1. What is the value of *   1 point

$$\frac{1}{3 \times 7} + \frac{1}{7 \times 11} + \frac{1}{11 \times 15} + \ldots + \frac{1}{899 \times 903} ?$$

○ 21/509

○ 18/403

◉ 25/301

○ 29/31

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2. a and b are two whole numbers and c is their HCF, then the LCM of those two numbers is *   1 point

○ bc

○ ac/b

◉ ab/c

○ abc

3. When a number is subtracted from the number 8,12 and 20, the remainders are in   1 point
continued proportion, Find the number ? *

⦿ 4

◯ 3

◯ 2

◯ 8

4. The sum of the digits of a 2-digit number is 11. If we add 45 to the number, the new   1 point
number obtained is a number formed by interchange of the digits. What is the
number? *

⦿ x = 3 and y = 8

◯ x = 5 and y = 8

◯ x = 4 and y = 8

◯ x = 8 and y = 3

5. Among three numbers, the first is twice the second and thrice the third, if the   1 point
average of three numbers is 517, then what is the difference between the first and the
third number? *

◯ 364

⦿ 564

◯ 764

◯ 964

6. If the fractions 1/2, 2/3, 5/9, 6/13, and 7/9 are arranged in ascending order of their values, which one will be the fourth? *   1 point

○ 7/9

○ 6/13

○ 1/2

⦿ 2/3

7. The product of two natural numbers is 9222. If they differ by 19 then find out the sum of the number? *   1 point

○ 205

⦿ 193

○ 199

○ 207

8. What is the sum of all natural numbers between 100 and 200 which are multiples of 3? *   1 point

○ 5000

⦿ 4950

○ 4980

○ 4900

9. A number when divided by the sum of 555 and 445 gives two times their difference   1 point
as quotient and 30 as the remainder. The number is _____. *

◉ 220030

○ 22030

○ 1220

○ 1250

10. The unit digit in 43 * 69 * 551*9242 ? *   1 point

○ 6

○ 2

◉ 4

○ 8

11. You purchased two pieces of cloth measuring 1.2 m and 1.3 m each at Rs. 330 and   1 point
Rs. 270 per meter respectively and gave Rs. 1000 at the payment counter. How much
cash will you get back? *

◉ 253 Rs

○ 604 Rs

○ 649 Rs

○ 235 Rs

12. In a zoo there are rabbits and pigeons. If their heads are counted, they are 90 while 1 point
their legs are 224. Find the number of pigeons in the zoo? *

○ 50

○ 60

○ 65

◉ 68

13. Five-eight of three-tenth of four-ninth of a number is 60. What is the number? *　　1 point

◉ 720

○ 270

○ 560

○ 650

14. The sum of three consecutive odd numbers is 20 more than the smallest number.　1 point
What is the middle number? *

○ 7

◉ 9

○ 11

○ 5

15. A man plants 5184 orange trees in his garden and arrange them,so that there are   1 point
as many rows as there are orange trees in a row. How many rows are there in the
garden? *

○ 70

◉ 72

○ 75

○ 81

16. A number when divided by 136, leaves remainder 36. If the same number is divided 1 point
by 17, the remainder will be *

○ 9

○ 7

○ 3

◉ 2

17. Solve this. *   1 point

$$(1^2 + 2^2 + 3^2 + \ldots\ldots + 10^2)$$

○ 392

○ 380

◉ 385

○ 390

18. What would come in place of the question mark (?), 17 + 24 ÷ 12 × (16 ÷ 4) ^2 – 5 =? 1 point
*

○ 38

○ 24

○ 64

◉ 44

19. Simplify. * 1 point

$1035 ÷ [(3/4) \text{ of } (71 + 65) - 15 \, ¾] = ?$

◉ 12

○ 24

○ 18

○ 26

20. Find the value in place of question mark(?) * 1 point

$(7 × 7)^3 ÷ (49 × 7)^3 × (2401)^2 = 7^?$

○ 7

◉ 5

○ 6

○ 8

21. Find average of first 20 natural numbers? *   1 point

○ 12.3

○ 9.8

◉ 10.5

○ 10.8

22. Find the sum of first 60 even numbers? *   1 point

◉ 3660

○ 3600

○ 3620

○ 3240

23. The mean of squares of consecutive odd numbers till 9 is? *   1 point

○ 25

◉ 30

○ 35

○ 40

24. How many three digit numbers are divisible by 7? *   1 point

○ 135

○ 140

◉ 128

○ 120

25. A no. is multiplied by 2/3 instead of 3/2, the result was 120. Then what will be the   1 point
real answer? *

◉ 270

○ 120

○ 60

○ 45

THANK YOU!!!

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