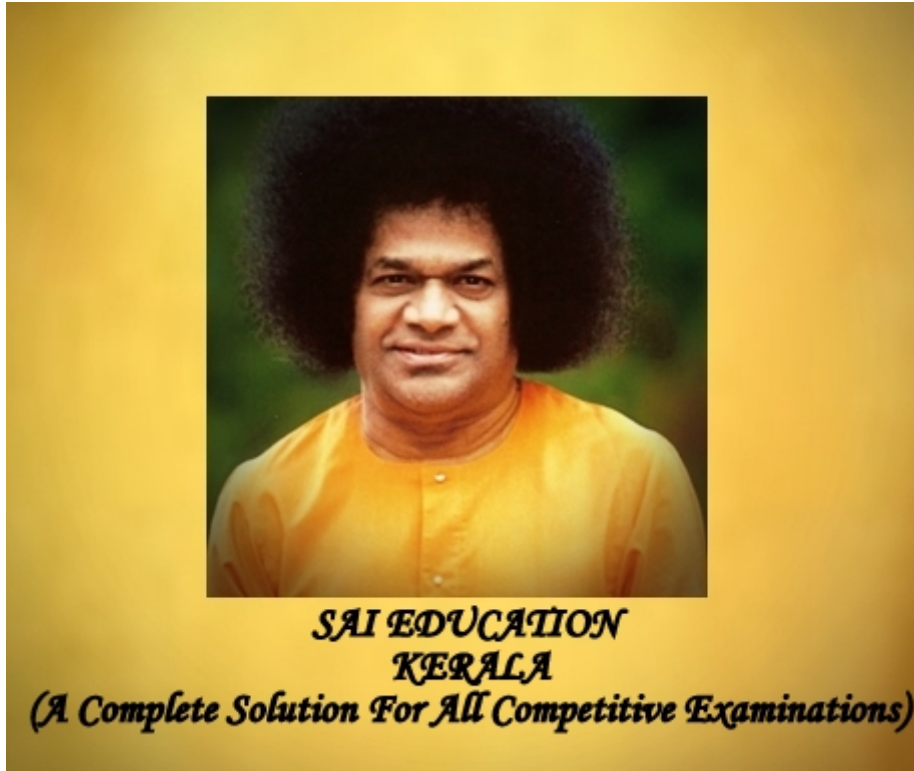


ONLINE COACHING DAY 42- (2-5-2019)

HCF and LCM



Name of the candidate *

M3

Please watch the videos and answer the following questions

<https://youtu.be/qGbckXOp12o>
<https://youtu.be/5mmuaosXxa8>
<https://youtu.be/mevKK9-etPl>
<https://youtu.be/c7Is3D1uovl>
https://youtu.be/Jn09LXu_tvo

1.LCM of 12,27,40

1 point

- 1020
- 1080
- 1060
- 1050

2.HCF 24,56

1 point

- 6
- 7
- 8
- 9

3.Find the LCM of $1/3, 5/6, 5/9, 10/27$

1 point

- $3/10$
- $3/5$
- $5/3$
- $10/3$

4.Find the H.C.F of $1/2, 3/4, 5/6, 7/8, 9/10$

1 point

- $1/120$
- $2/120$
- $1/60$
- $1/45$

5. The L.C.M of two no.s is 2310 and H.C.F. is 30. If one no: is 210. The other no: is 1 point

- 430
- 230
- 330
- 350

6. The HCF and LCM are 44 and 264 respectively. If the first no: is divided by 2, the quotient is 44. Find the other no: 1 point

- 132
- 123
- 213
- 264

7. The least square no: which is divisible by 6, 8 and 15 is 1 point

- 120
- 30
- 3600
- 36

8.The least no: of square tiles required to pave the ceiling of a room 15m 17 cm long and 9m 2cm broad is.

1 point

- 148
- 418
- 814
- 184

9.Find the least no: which when divided by 15,20,36,48 leaves 3 remainder in each case

1 point

- 721
- 723
- 722
- 724

10.Find the greatest number that will divide 400, 435 and 541 leaving 9, 10 and 14 as remainders respectively

1 point

- 19
- 17
- 13
- 9

11. Six bells commence tolling together and toll at the intervals of 2, 4, 6, 8, 10, 12 seconds resp. In 60 minutes how many times they will toll together. 1 point

- 15
- 16
- 30
- 31

12. Find the largest number which divides 62, 132, 237 to leave the same remainder 1 point

- 30
- 32
- 35
- 45

13. An electronic device makes a beep after every 60 sec. Another device makes a beep after every 62 sec. They beeped together at 10 a.m. The time when they will next make a beep together at the earliest, is 1 point

- 10:28 am
- 10:30 am
- 10:31 am
- None of above

14. The greatest possible length which can be used to measure exactly the lengths 7 m, 3 m 85 cm, 12 m 95 cm is 1 point

- 16cm
- 25cm
- 15cm
- 35cm

15. The ratio of two numbers is 3 : 4 and their H.C.F. is 4. Their L.C.M. is 1 point

- 48
- 22
- 56
- 27

16. There are three numbers, these are co-prime to each other are such that the product of the first two is 551 and that of the last two is 1073. What will be the sum of three numbers : 1 point

- 80
- 82
- 85
- 87

17. The HCF and LCM of two numbers are 13 and 455 respectively. If one of the numbers lies between 75 and 125, then, that number is:

1 point

- 78
- 91
- 104
- 117

18. The maximum number of students among whom 1001 pens and 910 pencils can be distributed in such a way that each student gets same number of pens and same number of pencils, is:

1 point

- 91
- 910
- 1001
- 1911

19. Find the greatest number of five digits which when divided by 3, 5, 8, 12 leaves 2 as remainder

1 point

- 99999
- 99948
- 99962
- 99722

20. Three buckets contains balloons filled with water. First bucket contains 243 balloons. Second contains 304 balloons and last bucket contains 127 balloons. Find the largest number of balloons that can be given equally to the children such that 3, 4 and 7 balloons are left in first, second and third bucket respectively?

1 point

- 20
- 30
- 40
- 60

21. Riya, Anil and Rishi start running around a circular stadium and complete one round in 15s, 12s and 21s respectively. In how much time will they meet again at the starting point?

1 point

- 6min
- 7min
- 8min
- 9min

22. Two bills of Rs 6075 and Rs 8505 respectively are to be paid separately by cheques of same amount. Find the largest possible amount of each cheque.

1 point

- 1215
- 1512
- 1251
- 1521

23. A garden consists of 135 rose plants planted in certain number of columns. There are another set of 225 marigold plants which is to be planted in the same number of columns. What is the maximum number of columns in which they can be planted?

1 point

 45 54 40 50

24. A watch ticks 90 times in 95 seconds and another watch ticks 315 times in 323 seconds. If both the watches are started together, how many times will they tick together in the first hour?

1 point

 100 times 101 times 99 times 103 times

25. The L.C.M. of two numbers is 48. The numbers are in the ratio 2 : 3. Then sum of the number is:

1 point

 28 32 64 40

Thankyou!!



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