

108 DAYS ONLINE COACHING TEST FOR MISSION 2021- (DAY 4)-[01-01-2021~FRIDAY]

HCF & LCM



NAME OF THE CANDIDATE *

M4

PLACE OF THE CANDIDATE *

PATHANAMTHITTA

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

<https://youtu.be/qGbckXOp12o>
<https://youtu.be/5mmuaosXxa8>
<https://youtu.be/mevKK9-etPl>
<https://youtu.be/c7ls3D1uovl>
https://youtu.be/Jn09LXu_tvo

1. What is the smallest number divisible by 8, 9 and 12? *

1 point

- 72
- 48
- 36
- 24

2. Three men are walking along three circular paths which are concentric, with the same speed. The perimeters of the circles are 20m, 30m and 40m. If their starting points are on the same line, the distance travelled by each one of them , when all they again reached together at the line of starting points is: *

1 point

- 120m
- 240m
- 1200m
- 2400m

3. Three men travelled in each day, distance of 14km, 35 km, 38km respectively. The distance after which they meet again is: *

1 point

- 1230 km
- 1330 km
- 1118 km
- 1730 km

4. What will be the least number which when doubled will be exactly divisible by 24, 18, 21 and 10? *

1 point

- 2520
- 1260
- 630
- 5040

5. The product of two prime numbers is 35, their LCM is: *

1 point

- 7
- 5
- 35
- 1

6. The smallest perfect square which is exactly divisible by 2,3,4,5 and 6? *

1 point

- 1600
- 900
- 784
- 1800

7. The smallest number which when divided by 9 and 15 leaves a remainder 7 in each case? *

1 point

- 22
- 32
- 42
- 52

8. Find the least number which when divided by 16, 18, 20, 25 leaves 4 as a remainder in each case, but when divided by 7 leaves no remainder? *

1 point

- 18000
- 17004
- 18004
- 18002

9. When a number is divided by 8 the remainder is 6 and when the same number is divided by 7 the remainder is 5. What is the number? *

1 point

- 51
- 37
- 54
- none of these

10. If two numbers are in the ratio 3:5 and their least common multiple is 75, then one of the numbers is: *

1 point

- 25
- 30
- 35
- 20

11. The traffic lights at three different road crossings change after every 48 seconds, 72 seconds and 108 seconds respectively. If they all change simultaneously at 6: 10 : 00 hrs, then they will again change simultaneously at: *

1 point

- 6: 17: 17
- 6: 17: 10
- 6: 17: 12
- 6: 17: 22

12. An electronic device makes a beep after every 60 seconds. Another device makes a beep after every 62 seconds. They beeped together at 10am. The time when they will next make a beep together at the earliest is: *

- 10:28 AM
- 10:29 AM
- 10:30 AM
- 10:31 AM

13. What is the greatest number of 3 digits which when divided by 6,9,12 and 36 leaves a remainder of 3 in each case? *

- 998
- 949
- 975
- 993

14. Find the largest number of four digits which is exactly divisible by 27,18,12,15 is: * 1 point

- 9740
- 9730
- 9720
- 9710

15. HCF of any two consecutive even numbers is: *

1 point

- their product
- their sum
- 2
- 1

16. HCF of 1485 and 4356 is: *

1 point

- 189
- 89
- 99
- 83

17. Which of the following is the highest common factor of 4266, 7848, 9540? *

1 point

- 18
- 20
- 22
- 24

18. Among how many children may 96 apples and 240 oranges be equally divided? *

1 point

- 56
- 48
- 120
- 480

19. 54,45 and 33 litres of milk are to be measured. What should be the capacity of the measuring jar which will do this in minimum time? *

1 point

- 3 litres
- 1 litre
- 9 litres
- 11 litres

20. LCM and HCF of two numbers are 36 and 6. If one number is 12 then other number is: *

1 point

- 12
- 18
- 24
- 36

21. If the LCM of two 2 digit numbers is 360 and their HCF is 18, then the half of the product of the numbers is: *

1 point

- 3240
- 1620
- 6480
- cannot be determined

22. The product of two numbers is 864 and their HCF is 12. Their LCM is: *

1 point

- 24
- 72
- 10368
- 64

23. HCF of two numbers is 24 and their LCM is 1344. If difference between numbers is 24 then their sum is: *

1 point

- 364
- 356
- 332
- 360

24. Which is the smallest number when increased by 5 is divided by 27 and 21? *

1 point

- 179
- 164
- 184
- 189

25. How many numbers upto 500 which are divisible by 3 and 7? *

1 point

- 95
- 23
- 32
- 50

THANK YOU!!!

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