

MM - 30

Time: - 1hr

Choose the correct option from Q1 to Q591 mark)

1 The exact divisor of number 9 is:
(a) 2 (b) 3 (c) 4 (d) 5

2 A number for which sum of all its factors is equal to twice number is called:
(a) Perfect number (b) Even number (c) Odd number (d) Prime number

3 The greatest single digit prime number is
(a) 5 (b) 3 (c) 9 (d) 7

4 Sum of any two odd numbers is always
(a) odd number (b) prime number (c) even number (d) 1

5 The numbers which are multiples of 2 are
(a) Twin Prime (b) Co – prime (c) Odd numbers (d) Even numbers

Fill in the blanks from Q6 to Q15(1 mark)

6. The smallest factor of 856 is _____
7. The smallest multiple of 856 is _____
8. _____ is a factor of every number.
9. The factor of a prime number is _____ and _____
10. A number which has more than two factor is called _____
11. The smallest perfect number is _____
12. If a number ends with 0 , it is divisible by _____
13. The sum of all the factors of a perfect number is equal to the _____.
14. _____ is neither prime nor composite.
15. A number is divisible by 6, if it is divisible by both _____ and _____

Short Answer Questions(2marks each) :

16. Write two prime numbers whose sum is 100 .
17. Write all the composite numbers between 30 and 50.
18. Write all factors and first five multiples of 20.
19. Express 48 as the sum of two odd prime numbers.

Long Answer Questions

20. Three brands A, B and C of biscuits are available in packets of 12, 15 and 21 biscuits respectively. If a shopkeeper wants to buy an equal number of biscuits, of each brand, what is the minimum number of packets of each brand he should buy? 3 marks

21. A merchant has 120 litres of oil of one kind, 180 litres of another kind and 240 litres of a third kind. He wants to sell the oil by filling the three kinds of oil in tins of equal capacity. What should be the greatest capacity of such a tin? 4 marks