## LCM & HCF – 3

| 1. LCM of two coprime numbers is their product. Mark True / False.  |      |    |       |
|---|------|----|-------|
| a)  | True | b) | False |
| 2. If a number is a factor of another number then their LCM is the lowest number itself. Mark True / False. |      |    |       |
| a)  | True | b) | False |
| 3. The LCM of two or three numbers can not be less than any one of then any one of them. Mark True / False. |      |    |       |
| a)  | True | b) | False |
| 4. What is the sum of all prime numbers less than 10?   |      |    |       |
| 5. What is the sum of first three square numbers?   |      |    |       |
| 6. What is the product of the 1 <sup>st</sup> and 4 <sup>th</sup> prime numbers?                            |      |    |       |
| 7. What is the LCM of 7, 21, 35?  |      |    |       |
| 8. What is the LCM of 24, 42, 72, 84?   |      |    |       |
| 9. What is the HCF of 60, 90 and 120?   |      |    |       |
|   |      |    |       |

10. What is the difference between the  $7^{th}$  and  $5^{th}$  square number?

11. The length and breadth of a field are 90 m and 120 m respectively. Determine the largest length of a rope that can measure the length and breadth of the field and exact number of times.

12. What is the largest number which divides both 48 and 64?

13. What is the least number of apples a teacher should have so that she can distribute equal number of them to her 10, 15 and 25 students?

14. What is the smallest number that is exactly divisible by 16, 24, and 36?

15. What is the largest number which divides both 144 and 176 without leaving a remainder?