Assignment No. 5

STD-VIII SUB- MATHS CHAPTER -7

1. Check 8640 is a perfect cube ? why or why not ?
2. Find the cube of 1728 by prime factorization method ?
3. Find the smallest number by which 3072 must be multiplied to obtain a perfect cube ?
4. Find the volume of a cubical box whose edge is 4.2 cm ?
5. Find the smallest number by which 1536 must be divided to obtain a perfect cube ?
6. Find the cube root of 19683 through estimation ?
7. Three numbers are in the ratio 3 : 4 : 5 , if their product is 480, find the numbers?
8. Fill ups- 1. Cube of an even natural number is ………………………

2. cube of an odd number is ………………………….

3. cube of a natural number whose unit digit is 7, ends with digit ………….

9. True/ false

1. A perfect cube doesn’t end with two zeros.

2. There is no perfect cube which ends with 5 , then its cube ends with 25 .

3. The cube of a single digit number may be a single digit number .

10 The unit digit of cube of 476 is

(a) 4 (b) 6 (c) 8 (d) 2

11. The smallest number by which 192 should be multiplied to make it a perfect cube?

(a) 9 (b) 6 (c) 3 (d) 2