Atomic Energy Education Society – Distance Learning Programme

Class – **VIII** Subject – **Mathematics**

Chapter – **7**: **CUBES AND CUBE ROOTS**

 **Worksheet -1 (Module 1/3)**

1. **Fill in the blanks** :
2. The cube of 100 will have \_\_\_\_\_\_\_\_\_\_zeroes.
3. The one’s digit of the cube of 23 is \_\_\_\_\_\_\_\_.
4. The cube of an odd number is always an\_\_\_\_\_\_\_\_\_ number.
5. Cube of a number ending in 6 will end in the digit \_\_\_\_\_\_\_.
6. The cube of a negative number is \_\_\_\_\_\_\_\_\_\_.
7. **Choose the correct answer from the options given**:

(i) Which of the following numbers is not a perfect cube?

 (a) 216 (b) 567 (c) 125 (d) 343

(ii) The number of perfect cubes from 1 to 100 are

 (a) 10 (b) 5 (c) 4 (d) 7

(iii) The digit at one’s place of 573 is

1. 7 (b) 3 (c) 9 (d) 1
2. **Write if the following statements are true or false. Correct the false statement**.
3. Cube of an even number is even.
4. 999 is a perfect cube.
5. The cube of a one digit number cannot be a two digit number.
6. A number having 4 at its ones place will have 4 at the ones place of its cube.

**Do as directed**:

1. Find the one’s digit of the cube of 5022.
2. Find the cube of 35.
3. Write the number of zeroes in the cubes of the following numbers:

(a) 20

(b) 500

(c )30000

1. How many cubes of side 1cm will make a cube of side 8cm?
2. Find the cube of (– 9).
3. Find the cubes of the first three multiples of 3.
4. Can 10000 be a perfect cube?

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