

## Worksheet

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Name: .....

Roll No: ..... Class: ..... Section: .....

Date: .....

## USE OF STATISTICS IN DATA SCIENCE

### Unit-1

#### A. Tick (✓) the correct option.

1. What is a Data Frame in programming languages like R and Python?

- a. A one-dimensional data structure
- b. A three-dimensional data structure
- c. A two-dimensional data structure
- d. A data structure used exclusively for numerical data

2. Which of the following is a subset of the set given below:

Set = {1, 2, 3, 4, 5, 6, 7}

- a. {1, 2, 3, 4}
- b. {3, 4, 5}
- c. {1}
- d. {1, 8}

3. What is the primary purpose of subsetting data from a data frame?

- a. To increase the size of the dataset
- b. To observe unnecessary content
- c. To retrieve a part of the data needed for a specific purpose
- d. To complicate data analysis

#### B. Explain the following terms:

1. Two-way table: .....
2. Central Tendency: .....
3. Mean Absolute Deviation: .....
4. Standard Deviation: .....
5. Mode: .....