

**Modern Education Society's Wadia
Wadia College of Engineering, Pune**

NAME OF STUDENT:	CLASS:
SEMESTER/YEAR:	ROLL NO:
DATE OF PERFORMANCE:	DATE OF SUBMISSION:
EXAMINED BY:	EXPERIMENT NO: DSL B-14

TITLE : SORTING OPERATIONS

PROBLEM STATEMENT : Write a Python program to store first year percentage of students in array. Write function for sorting array of floating point numbers in ascending order using

- a) Selection Sort
- b) Bubble sort and display top five scores. Find time complexity.

OBJECTIVES :

- 1. To understand structure of Array.
- 2. To understand how to sort elements of given array.

OUTCOME :

- 1. To operate on the various structured data.
- 2. To analyze the problem to apply suitable algorithm and data structure.

PRE-REQUISITES :

- 1. Knowledge of Python Programming
- 2. Knowledge of sorting methods and array.

APPARATUS :

- 1. OS: Ubuntu 18.04.2 LTS
- 2. Processor: Intel® Core™ i7-4790S CPU
- 3. Graphics: GeForce GT 610/PCIe/SSE2
- 4. Storage: 400 GB
- 5. Text Editor: gedit
- 6. Compiler: python3
- 7. Terminal

QUESTIONS :

- 1. Explain Merge sort with example and write C++ program for same.