

SSN College of Engineering
Department of Computer Science and Engineering
III year - UCS1512 – Microprocessors Lab

Academic Year: 2022 -2023
Semester: V

Batch: 2020-2024

Experiment No. 6: Sorting

6 a) Sorting in ascending order

Input: Array of N 8-bit values

Output: Sorted array in the same location

Hints:

Perform bubble sort.

Use XCHG instruction to swap elements.

6 b) Sorting in descending order

Input: Array of N 8-bit values

Output: Sorted array in the same location

Hints:

Perform bubble sort.

Use XCHG instruction to swap elements.