

Shree Swaminarayan College of Computer Science

SY BCA : Data and File Structure

Lab Assignment: 6

Date:
Topic: **Sorting**

Submission:

Implement the following sorting algorithms:

- 1) Selection Sort
- 2) Insertion Sort
- 3) Bubble Sort
- 4) Quick Sort
- 5) Shell Sort
- 6) Merge sort

Write following functions and test them through a driver.

- 7) Implement sequential search.
- 8) Improve and implement sequential search for sorted elements.
- 9) Write a function that implements binary search recursively.
- 10) Write iterative version of above function.