

Data Structures and Algorithms (Lab)

Department of Computer Sciences

Iqra National University

Faculty: Muhammad Adil *Asst. Prof.*

Final Semester

Marks: 80

Task#1:

Code a program in any computer language of your choice to implement Algorithm for inserting an element in a One-Dimensional Array. 20

Task#2:

Code a program in any computer language of your choice to implement Linear Search Algorithm. 20

Task#3:

Suppose a there is a linear array A[]

A[] = {30, 50, 20, 10, 20, 35, 40}

- i. Design a program to sort the above list using Selection Sort. 20
- ii. Design a program to sort the above list using Bubble Sort. 20