

National University



of Computer & Emerging Sciences Peshawar Campus

C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TO 11 N.T
Student Nama:	POIL NO:
Student Name:	Roll No:

Program: BS(CS) Semester: Spring-2021

Course: CS218- Data Structures

Total Marks: 60 Weightage: 30 Time Allowed: 02 hours Date: 28th May, 2021

Instructor Name: Waqas Ali

Examination: Mid Term

NOTE: Attempt all questions.

Question No. 2

Attempt Time: 10 mins, Submission Time: 5 min

Marks: 7

Consider that the same operation (sortedInsert in question 1) needs to be performed on an array based list and the fixed size of the list is not an issue. Comment whether using a linked list or an array based list is better for such a scenario. Using an example, show which one of those will require the least number of operations.