



**National University**

**of Computer & Emerging Sciences Peshawar Campus**

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Examination: quiz 2

Total Marks: 10

Date: November 19th, 2021

Instructor: Ms Safia Fatima ­­­

Program: ­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (BCS-3 ABCD)

Semester: Fall-2021

Time Allowed: 15 mins

Course:EE2003 Computer Organization & Assembly Language

**NOTE:** Attempt all questions.

**NO ANSWER SHEET REQUIRED**

**Question No. 1**

**Write a function that takes 2 parameters that is array and the length of array. Your function should count the number of times “value 1” appeared and store the frequency in dx register.**

**Note: value1 is a local variable of a function that will hold the integer number that needs to check for example, if value1=5 your program will check the number of times 5 appeared in the array and store the value in dx register.**

**Assume the following data in array 5, 2 , 5 , 1 , 8 , 5 , 2 , 1 , 0 , 0 , 70 , 5 , 0**