Mid-term Exam, F22   NAME_____ REG#_____
Computer Organization and Assembly Language
BS(CS), PADP(CS)
Time allowed: Entire exam slot

V1

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Instructions

- All questions are mandatory.
- The lab exam is available in two versions on the portal. You need to solve your version of the exam as per the instructions of the proctor or invigilator.

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Question#1 (20 points)

Write a program that declares and initializes word type array of 10 elements. The program then sorts the array in an ascending order.

Question#2

Write a program that stores the given two 64-bit numbers into memory using byte arrays. The program then calculates the sum of these two numbers and stores the result into the third array.

Num1: 0x54CD45EF67AB0077

Num2: 0x23FF456BB987EF45