



# Computer Organization and Assembly Language

Name \_\_\_\_\_

Graded Lab # 1

Total Marks: 20

Roll No \_\_\_\_\_

Section: \_\_\_\_\_

Total Time: 30 mins

Q1. Write a program that stores the following numbers into the registers. The program then implements the following equation.

**Let**

**AX=100h**

**BX=14h**

**CX=18h**

**DX=29h**

**EQUATION:**

**$CX = ((AX - BX) - CX) + BX + (DX - CX)$**

Q2. Write a program that stores the following 16-bit numbers into the current data segment at offset: **0x2000h**. onwards. The program then adds them and stores them at the physical location: **0x5000h**.

Numbers:

**0xA1F0, 0x1B0F**