

Name:

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COE 205, Term 051
Computer Organization & Assembly Programming
Quiz# 5

Date: Monday, Nov. 28, 2005

Q1. Suppose that you have the following initial content of 8086 registers:

AX=F504H

BX=7010H

CX=02F2H

DX=1234H

(i) Determine the content of the **destination** operand and the value of the **carry flag** after the execution of each of the following instructions. Use the **initial content** of the registers for the execution of each instruction.

1. SHR AX, CL

2. SAR AX, 2

3. ROL AX, 129

4. SHLD AX, BX, 4

(ii) Write an 8086 assembly program using **conditional loop** instructions to count the number of **non-blank** characters in a Table of 80 characters.