

**Name:**

**Id#**

**COE 205, Term 042**  
**Computer Organization & Assembly Programming**  
**Quiz# 4**

Date: Tuesday, April 5, 2005

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

AX=FFF0H      BX=0008H      CX=FFF2H      DX=2010H

(i) Determine the content of the destination operand after the execution of each of the following instructions. Indicate the effect on the overflow flag. Use the initial content of the registers for the execution of each instruction.

1. MUL BL

2. IMUL BL

(ii) Write 8086 assembly code to display the decimal content of register AX assuming unsigned numbers.