Name: **Id#**

COE 205, Term 032
Computer Organization & Assembly Programming

Quiz# 5

Date: Tuesday, April 20, 2004

Q1. Assume the following content of registers:

AX=FA12   BX=2345   CX=6677   DX=ABEF   SP=0020

Determine the following assuming that the stack is empty and starting from an empty stack for each question:

1. The content of registers AX and the SP after executing the following instructions:

   PUSH CX
   POP   AX

2. The content of registers AX, CX and the SP after executing the following instructions:

   PUSH DX
   PUSH BX
   POP AX
   POP CX

Q2. Write a procedure, **DSTRING**, to display the content of a string. Assume that the <u>address of the string</u> and the <u>size of the string</u> are passed on the stack. Then, use the procedure to display the string **"COE 205: Quiz#5"** which has a size of **15** characters.