Name: **Id#**

COE 205, Term 022

Computer Organization & Assembly Programming

Quiz# 3

Date: Sunday, March 23, 2003

Q1.

i. Suppose that the following data segment is allocated in the segment given in the DS register with an offset of 0. Show the content of the allocated memory. Note that the ASCII code of character `A` is 41H.

I	*DB*	*-50, `AB`*
	DW	*-30*
L	*EQU*	*50*
J	*DB*	*L-25*
	DW	*offset I+4*
K	*DB*	*2 dup(2dup(15))*
M	*DB*	*`Q#3`,`$`*

Address (Hex)   _Memory Content (hex)_

ii. Give on a separate line the string displayed on the screen by each of the following code fragments.

a.   MOV DX, offset M

         MOV AH, 09H
         INT 21H

b.   MOV DX, offset M+2

         MOV AH, 09H
         INT 21H

c.   MOV DL, M

         MOV AH, 02H
         INT 21H