

Short Quiz - 6

EE-390 1

Set A

Name: \_\_\_\_\_

ID No: \_\_\_\_\_

- (1) Write the equivalent instructions of 'MOVSW instruction' (or instruction set that can perform the same operation as MOVSW). Assume direction flag is cleared.

- (2) Execute the following program and find the contents of the required registers and the memory contents of the stack segment.

```
Title "Quiz 4"
.MODEL small
.STACK 32
.DATA
    VAR1 DW 0605H,0807H,0A08H
    VAR2 DB 02H,03H,01H,4H,00H,
.CODE
    MOV AX,@DATA
    MOV DS,AX
    MOV SP,00FDH
    MOV CX,0402H
    MOV AX,[VAR1]
    PUSH AX
    LEA BX,[VAR2]
    MOV AX,[VAR2]
    XLAT
    CALL PROC1
CS:0015: POP DX
    MOV AX,4C00H
    INT 21H

PROC1 PROC NEAR
    MOV CX, AX
    RET
PROC1 ENDP

END
```

Write the appropriate values:

	Stack Segment
SS:00FD	<input type="text"/>
SS:00FB	<input type="text"/>
SS:00F9	<input type="text"/>
SS:00F7	<input type="text"/>

After the program execution find:

DX = \_\_\_\_\_ ;

CX = \_\_\_\_\_ ;