Name: Id#

COE 205, Term 003

Computer Organization & Assembly Programming Quiz# 3

Date: Sunday, July 22

0	1.	Give a	sing	le l	logic	instr	uction	to o	ob	each	of	the	foll	owing	g
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- **a.** Convert the ASCII code of the character stored in AL from lower case to upper case. Note that the ASCII code of 'A'=41h and the ASCII code of 'a'=61h.
- **b.** Convert the number stored in DX to the closest even number that is smaller or equal to that in DX.
- **c.** Replace the content of the word pointed by SI by its one's complement.
- **Q2.** Write an 8086 assembly code to implement the following assuming that registers contain signed numbers:

