

**Name:**

**Id#**

**COE 205, Term 052**  
**Computer Organization & Assembly Programming**  
**Quiz# 5**

Date: Saturday, April 22, 2006

**Q1.** Write separate assembly programs minimizing the number of instructions as much as possible to do each of the following:

- (i) Multiply the content of register AL by 21.25.
- (ii) Rearrange the content of register AL so that its content becomes  $A_7A_5A_3A_1A_6A_4A_2A_0$ . For example, suppose the content of register AL=10101010, after rearrangement it will become 11110000.