Quiz 1 ***(CSE331L.1 – Asif Ahmed Neloy\_Fall’20)***

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*Time 20 minutes, Marks 10 (You need to answer all questions).*

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1. **Explain DAA and write the asm code using the following example –**

**AL 27H and AL 35H**

DAA is used to make sure the result of adding two packed XYZ numbers is adjusted to be a legal XYZ number. The result of the addition must be in AL for DAA to work correctly. If the lower nibble in AL after an addition is greater than 9 or AF was set by the addition, then the DAA instruction will add 6 to the lower nibble in AL. If the result in the upper nibble of AL in greater than 9 then the DAA instruction will add 60H to AL.

**2.** Explain the “**CMP**” and “**Test**” instruction from the following example. Also, write which one of these affect the flag register and why.

**CMP AL, 000h**

**TEST AL, 001h**

**End**