CSE 331L Microprocessor Interfacing & Embedded System

Quiz 4 ***(CSE331L.7 – Asif Ahmed Neloy\_Summer’20)*** Department of Electrical and Computer Engineering School of Engineering and Physical Sciences North South University, Bashundhara, Dhaka-1229, Bangladesh

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

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

**example –**

**AL 27H and AL 35H**

**AL=27H;**

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**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**

**CMP AL,000h=Compare immediate number 000h with byte in AL**

**TEST AL,001h=AND 001h with AL,no result stored,update PF,SF,ZF**

**TEST will affect flag register**

**End**