

**Microprocessor System, ETCS-302**  
**Assignment No. 4**

- 1) Differentiate between software and hardware interrupts.
- 2) Name the vectored and non vectored interrupt of 8086 system.
- 3) What does the CPU do when it receive an interrupt? How do you enable and disable interrupts in 8086.
- 4) How many interrupts are available in 8086? List the predefined software interrupts available in 8086
- 5) Explain type 0,1,2 interrupts found interrupt vector table of 8086/8088 microprocessor.
- 6) Write a program in assembly language to convert a two digit packed BCD number into unpacked BCD number.
- 7) Write an 8086 program to add two 16-bit numbers in CX and DX and store the result in location 0500H addressed by DI.
- 8) Write a program in assembly language to move a string from one location to another memory location.
- 9) Draw the maximum mode module of 8086 clearly showing address latches, transreceivers, clock generator. Neatly label the diagram.
- 10) Discuss the interrupt system of Intel 8086. What is interrupt pointer? What is 'type' of an interrupt?