Assignment No. III

Subject:- Introduction to Microprocessor

NEC-459

Q.1 Explain Binary to BCD code conversion techniques and write Assembly language for the same.

Q.2 Explain the mode 1 operation of 8254 with the help of timing waveform. What will happen if a new count is written while counter is running?

Q.3 Explain the various types of interrupt of 8086 with suitable example and also explain Physical address calculation for each mode.

Q.4 Explain with the example the various types of addressing modes supported by 8086 microprocessor.

Q.5 How an ASCII Hex number is converted into its binary equivalent? Give flow chart and subroutine for it.

Q.6 Give the block diagram for programmable peripheral interface, explain each of its blocks

Q.7 How many 8259 can be interconnected in cascaded mode? Show their cascading structure.

Q8 Write an assembly language program to generate a delay of 1 msec. Also show the calculation of time. Assume that the crystal frequency of 8085 is 6 MHz.

Q.9 How a keyboard and a seven-segment LED is interfaced with 8085 microprocessor? Explain it.

Q.10 Explain the concept of timer and delay in 8086. Explain various methods of generating delay using suitable instructions.

Q.11 Explain the command words of 8259.

Q.12 what is the difference between Maximum and Minimum mode of operation in 8086. Explain it.

Last Date of Submission is: - 04/05/2016 (Positively)

Mr. Ajay Dwivedi
Asst. Prof.
EC Dept.