Assignment No. I

Subject:- Introduction to Microprocessor

NEC-459

Q.1 Draw the functional block diagram of a microprocessor & explain briefly.

Q.2 what is the function of accumulator? Why are the program counter and the stack?

Pointers 16 bit registers in 8085?

Q.3 what do you mean by addressing modes, explain direct and indirect addressing modes of 8085.

Q.4 With a neat diagram describe the internal architecture of 8085. State the function of Each block.

Q.5 what do you mean by non-maskable interrupts? How many vectored interrupts are There in 8085 microprocessor? Name them with their vector address.

Q.6 Discuss about evolution of Microprocessor & explain Operation performed by 8085 Microprocessor.

Q.7 Explain the execution of following instruction
(i) MVI B, 4FH (ii) LXI B, 1234H (iii) JMP 2000H (iv) ADI F5 H (v) SUB C

Q8 Explain Memory Organization and I/O addressing capability of 8086. What are its Advantage.

Q.9 Write a program in 8085 to divide 10H by 05H.

Q.10 Write an assembly language program based on 8085. Multiply the two numbers stored in memory locations 2000H and 2001H respectively and place the result in memory location 2002H.

Last Date of Submission is : - 16/03/2016 (Positively by Lunch)

Mr. Ajay Dwivedi
Asst. Prof.
EC Dept.