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 After a certain ALU operation the content of accumulator is 32H and known flags are CY-1 and AC-1. Based upon this information obtained the BCD number that would be present in accumulator after the DAA operation.

Q.9 Calculate the address lines required for an 8k-byte memory chip.

Q.10 Calculate no. of memory chips needed to design 8 K-byte memory if the memory chip size is 1024 ×2.

Last Date of Submission is : - 08/02/2017 (Positively by Lunch)

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