

Northern India Engineering College, Delhi

(GGSIP University)

SUBJECT – MICROPROCESSOR SYSTEMS

SUBJECT CODE- ETCS-302

ASSIGNMENT –I

Q1. What are different addressing modes for 8086?

Q2. What is the machine code for the instruction ADD [BX] [DI] + 1234 H. The opcode for the ADD operation is 000000 H.

Q3. What is the purpose of segment register in operation of 8086 processor?

Q4. Explain the difference between carry and over flow flags.

Q5. What is 'segment override prefix'? Explain giving one example.

Q6. Explain following instruction related to 8086 (i) IDIV (ii) AAM (iii) MUL (iv) CMPS (v) LOCK (vi) DAA (vii) JCXZ (viii) MOVSW (ix) XLAT (x) LOOP .

Q7. Discuss difference between 8086 and 8088 microprocessors.

Q8. What do you mean by a procedure? What is a recursive procedure?

Q9. Explain why the PTR attribute operator is sometimes necessary?

Q10. Write an 8086 assembly routine to set the trap flag of 8086.