

# Northern India Engineering College, Delhi

(GGSIP University)

SUBJECT – MICROPROCESSOR SYSTEMS

SUBJECT CODE- ETCS-302

## ASSIGNMENT –II

Q1. Draw the input timing diagrams of 8086.

Q2. Explain intra segment and inter segment JUMP.

Q3. Explain mechanism in 8086 for addressing (i) Bytes at even address (ii) Bytes at odd address.

Q4. Identify the addressing modes in the following 8086 instructions:

- (i) MOV AL,[1000H]
- (ii) MOV AL,[BP]
- (iii) MOV AX,BX

Q5. Explain bus locking capability and queue status in multiprocessor.

Q6. What do you mean by Procedure? Specify various ways to pass parameters to procedure using examples.

Q7. What are Assembler Directives? Give examples with 8086 assembly programs.

Q8. Calculate the count required to generate a delay of 150ms in the program shown below using 8086 system that runs on 15 MHZ frequency

	Instructions	T States Used
	MOV CX, Count	4
Label:	DEC CX	2
	NOP	3
	JNZ Label	16