

Microprocessor System, ETCS-302

Assignment No. 3

- 1) Explain the following 8086 signals:

READY

HOLD

RESET

S₃, S₄

- 2) How does 8086 convert a logical address to physical address? Explain with an example.
- 3) Explain with the suitable diagram how 8086 access a byte or word from EVEN and ODD memory banks.
- 4) Explain the difference between NEAR and FAR procedure of 8086 processor.
- 5) Explain the use of following instructions:

XCHG

DAS

CBW

- 6) Describe any four assembler directives used in 8086 assembly language programming.
- 7) Explain the various assembler directives used while defining the data segment of 8086/8088 microprocessor.
- 8) Differentiate between MACRO and PROCEDURE.
- 9) What is the difference between CALL and JMP instruction of 8086 microprocessor?
- 10) Discuss the various addressing modes of 8086. What are displacement, base and index?