



Subject/ Subject code	Semester/ Branch	Issue Date	Return Date
<b>Fundamental of Microprocessors 01CE0509</b>	<b>5<sup>th</sup> CE</b>	<b>04/10/2024</b>	<b>11/10/2024</b>

### **Assignment 3\_CO3**

<b>Sr. No.</b>	<b>Questions</b>
1.	Define addressing mode. Discuss with example addressing modes of 8086 microprocessor.
2.	What are the different categories of instructions in 8086 microprocessor? Explain string related instructions with example.
3.	Discuss assembler directives of 8086 microprocessor.
4.	Write an ALP to perform the multiplication of two unsigned 16-bit numbers.
5.	Discuss the following instruction of 8086 microprocessor with example: 1) IN 2) LDS 3) LEA 4) PUSH 5) MUL 6) LOCK 7) CALL 8) POP
6.	Write an ALP to find the smallest number from given array of data byte
7.	Explain control word register (CWR) format for BSR and I/O modes.
8.	Draw and briefly describe block diagram of 8255 Programmable Peripheral Interface.