



**UNIT - IV**

- 7 a. Explain the following string instructions : 6
- i) MOVS                      ii) STOS                      iii) CMPs
- b. Write an assembly language program to move string from one location to another location. 8
- c. What are interrupts? Explain the types of Interrupts. 6
- 8 a. Write an assembly language program to reverse a given string and check for palindrome. 10
- b. Discuss the steps involved in handling interrupts. How to obtain INTR interrupt address by 8086 processor? 10

**UNIT - V**

- 9 a. Explain the following pins of 8086 processor
- i) ALE                      ii) RESET                      iii) CLK 10
- iv)  $DT\overline{R}$                       v)  $MN / \overline{MX}$
- b. With a neat diagram, explain the maximum mode configuration of 8086 processor. 10
- 10 a. With a neat diagram, explain the working of 8259 interrupt controller. 10
- b. Give the differences between minimum mode and maximum mode configuration. 6
- c. Compare 8086 and 8088 processor. 4

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