

Exam.Code:0922  
Sub. Code: 6839

1019  
B.E. (Information Technology)  
Fourth Semester  
ITE-472: Microprocessor and Assembly Language Programming

Time allowed: 3 Hours

Max. Marks: 50

*NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.*

x-x-x

- I. Define the following:-
- Discuss the need data buses.
  - Name some interfacing input devices?
  - Why do we need counters?
  - What do you understand by Mapped I/O?
  - Discuss the working of vectored interrupts. (5x2)

**UNIT - I**

- II. Draw 8085 Pin diagram and explain in detail. (10)
- III. What do mean by Logic operations. Discuss and explain various logic instructions. (10)
- IV. Discuss and explain additional 16 bit arithmetic instructions in detail. (10)

**UNIT - II**

- V. What is counter? Explain Modulo Ten counter with suitable diagram. (10)
- VI. Discuss the function of subroutine. Explain return instructions. (10)
- VII. Write short note on:-
- Ports
  - Programmable Interrupt Controller (2x5)

x-x-x