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**SUBJECT CODE NO:- 2178**  
**FACULTY OF SICNECE AND TECHNOLOGY**  
**B.Sc. S.Y. (Sem- IV)**  
**Examination March/April-2022 (To Be Held In June/July-2022)**  
**Electronics Paper- XII**  
**B) 8085 Microprocessor-II**

[Time: 1:53 Hours]

[Max. Marks: 50]

Please check whether you have got the right question paper.

- N.B
- i) Attempt all questions.
  - ii) Illustrate your answer with suitable labelled diagram.
- Q. 1 Explain Transition state diagram in detail 20
- OR
- What is conditional call an return instructions techniques 20
- Q. 2 What are handshake I/O data transfer techniques. 20
- OR
- Write short notes on any four from the following 20
- a) Types of machine cycles used in 8085 microprocessor
  - b) Parallel data transfer techniques
  - c) Use of stack for programmer
  - d) 8085 interrupt structure
  - e) Interrupt system
  - f) Parameter passing techniques
- Q. 3 Attempt the following multiple choice questions 10
- 1) Total no address location for 8085 microprocessor
    - a) 244k
    - b) 245k
    - c) 256k
    - d) 64k
  - 2) \_\_\_\_\_ are two handshake singles
    - a) STB & IBF
    - b) STB & INTR
    - c) INTR
    - d) IBF
  - 3) 8085 microprocessor has how many pins \_\_\_\_\_
    - a) 30
    - b) 42
    - c) 64
    - d) 40
  - 4) Parallel transmission of data is used for \_\_\_\_\_
    - a) Short distance
    - b) Very long distance

- c) Long distance  
d) All of these
- 5) The first microprocessor to include virtual memory in the intel microprocessor family is \_\_\_\_\_  
a) 80386  
b) 80486  
c) 80286  
d) Pentium
- 6) Synchronous means \_\_\_\_\_  
a) At the same time  
b) At the different times  
c) Can't defined  
d) None of these
- 7) \_\_\_\_\_ op code means end of program  
a) HLT  
b) TRAP  
c) INTR  
d) All of these
- 8) Hardware interrupt is requested by \_\_\_\_\_ device.  
a) Internal  
b) External  
c) Both a & b  
d) Name of these
- 9) What is mean by ALU  
a) Arithmetic logic upgrade  
b) Arithmetic logic unsigned  
c) Arithmetic local unsigned  
d) Arithmetic logic unit
- 10) Following is a 16-bit register for 8085 microprocessor  
a) Stack pointer  
b) Accumulator  
c) Register  
d) Register C