

B.SC. DEGREE EXAMINATION, APRIL 2018
II YEAR - IV SEMESTER
Core Major - Paper IV - MICROPROCESSORS AND ITS APPLICATIONS

Time : 3 Hours

Max.marks :60

Section A ($10 \times 1 = 10marks$)

Answer any **TEN** questions

1. What is Microprocessor?
2. List out the Operations of 8085.
3. Define Debugging.
4. Give some Programming Techniques of 8085.
5. What is Hexadecimal Counter?
6. Define Stack.
7. What is time delay program?
8. What is ASCII?
9. What are the Arithmetic operations?
10. What is an Interrupt?
11. Define DMA.
12. What is I/O Interface?

Section B ($5 \times 4 = 20marks$)

Answer any **FIVE** questions

13. Explain about 8085 instruction set.
14. Discuss about Data Transfer Instruction.
15. Write briefly about Modulo 10 Counter.
16. Explain about stack operations.
17. Explain BCD to seven segment LED code conversion.
18. Discuss about memory mapped I/O.
19. Explain about Multiple Interrupt.

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Section C ($3 \times 10 = 30marks$)

Answer any **THREE** questions

20. Explain the architecture of 8085 Microprocessor.
21. Write short notes on: i) Arithmetic & logic operations ii) Indexing addressing modes.
22. Explain about debugging counter and time delay program.
23. Explain about Multibyte Addition & Subtraction.
24. Write notes on RAM, ROM & DMA.