UCS/CT/4A04

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

Time : 3 Hours **Max.marks :75**

Section A $(10 \times 2 = 20 marks)$

Answer any **TEN** questions

1. Define Microprocessor.
2. List down the some Flags in 8085.
3. What is looping?
4. Define Break Point.
5. What is Stack?
6. Define Subroutine.
7. Expand INBUF and OUTBUF.
8. Convert 50_{BCD} into binary.
9. Define Interrupts.
10. What is TRAP?
11. What is the use of the following instructions: CZ, CC,RC,RZ
12. ADD 34_{BCD} and 26_{BCD}.

Section B $(5 \times 5 = 25 marks)$

Answer any **FIVE** questions

13. Explain the different types of Instruction set in 8085.
14. Discuss the different types of addressing modes in 8085.
15. Write short notes on Instruction used to implement Subroutine.
16. Write a Program to convert Binary to BCD.
17. Briefly discuss about DMA.
18. Explain Pin diagram of 8085.
19. List out the issues in implementing Interrupts.

P.T.O.

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

Answer any **THREE** questions

20. Briefly Explain about Architecture of 8085 with neat diagram.
21. Explain Arithmetic and Logic operation in 8085.
22. Draw a flowchart and write a program for Hexadecimal counter.
23. Write a program for BCD Addition.
24. Briefly discuss about memory-mapped I/O Interface.