B.Sc DEGREE EXAMINATION,APRIL 2019
II Year IV Semester
Microprocessors and its Applications

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

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

Answer any **TEN** questions

1. Define Microprocessor.
2. What is the purpose of program Counter in 8085?
3. Define Looping.
4. What is Handshake mode?
5. Write about Conditional Call and Conditional return.
6. Define Subroutine.
7. Perform 77 $_{BCD}$ + 48 $_{BCD}$.
8. List any two Branching operations.
9. What is DMA?
10. List the difference between ROM and RAM.
11. Define Assembler.
12. Give two examples for Arithmetic Group instructions of 8085.

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

Answer any **FIVE** questions

13. Explain functions of 8085 microprocessor.
14. Explain counting technique with programming example.
15. Explain stack and subroutine.
16. Explain multi byte addition and subtraction operations.
17. Describe I/O Interface.
18. Write a note on RST instructions.
19. Describe Dynamic Debugging.

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

Answer any **THREE** questions

20. Explain the Architecture of 8085.
21. Explain Data Transfer Instruction of 8085.
22. Explain the Modulo 10 Counter.
23. Explain BCD Multiplication and Division operations.
24. Explain the DMA Controller.

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