B.Sc. DEGREE EXAMINATION,NOVEMBER 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. Define Bit, Byte and Word.
3. Define Looping.
4. What is Assembly Language?
5. Define Subroutine.
6. Define EPROM.
7. What is meant by Asynchronous?
8. Define Encoder.
9. What is Interrupt?
10. What is DMA?
11. List the maskable and non-maskable interrupts.
12. Perform $77_{BCD} + 48_{BCD}$

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

Answer any **FIVE** questions

13. Explain various addressing modes of 8085.
14. How to introduce time delay using one register? Explain.
15. Describe Dynamic Debugging.
16. Explain RST instructions.
17. Write a note on ROM and RAM.
18. Describe about Vectored interrupts.
19. Explain multi byte Addition and Subtraction.

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

Answer any **THREE** questions

20. Explain 8085 bus organization.
21. Explain Data Transfer instructions with examples.
22. Explain Modulo 10 counters.
23. Explain BCD to Binary Conversion operations with example.
24. Explain DMA memory interface.

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