DECEMBER 2023 **U/ID 46506/UCC3B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define : Microprocessor.
2. What is Bidirectional?
3. What is an Accumulator?
4. What is Microcomputer?
5. What is Interrupt?
6. What is Flag register?
7. What is compiler?
8. Define : Logical operations.
9. What is BUS?
10. What is Subroutine?
11. What is DMA?
12. Define : Debugging.

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions.

13. Discuss on Data Transfer Instructions.

14. Explain Instructions and Data formats.

15. Explain the functions of I/O 8085.

16. Write a Assembly Language programs to add 1 to 16 bit number.

17. Write about conditional call and RET Instructions.

18. Explain about counters with examples.

19. Discuss : RAM and ROM.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Briefly explain the Architecture of 8085 with block diagram.

21. Explain about various types of Interrupts with examples.

22. Briefly explain various addressing modes with examples.

23. Explain DMA Memory Interface with examples.

24. Discuss about Modulo 10 counters and debugging counters with examples.

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