MAY 2025 **U/ID 46506/UCC3B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define Micro computer.
2. What is Address Bus?
3. What is mnemonic code?
4. What is dynamic debugging?
5. What is looping?
6. What is an instruction?
7. How to convert BCD to HEX?
8. What is ASCII?
9. What is an Assembler?
10. What is an Interrupt?
11. What is the use of subroutine?
12. Define DMA.

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Write short notes on the applications of micro computer.

14. Explain about the jump instructions.

15. Explain conditional call instructions.

16. Discuss the concept of stack operations.

17. Discuss BCD addition and subtraction with examples.

18. Write short notes on interrupts with examples.

19. Write short note on RAM and ROM.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Briefly explain the functions and architecture of 8085 microprocessor.

21. Explain the various addressing modes with examples.

22. Explain the use of TEST and WAIT instructions.

23. Briefly explain BCD to binary and binary to BCD conversion with examples.

24. Explain I/O memory and mapped I/O with examples.
