MAY 2024 **U/ID 46506/UCC3B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is low level language?
2. What is meant by micro computer?
3. What is instruction?
4. What is meant by addressing modes?
5. What is EPROM?
6. What is an assembler?
7. What is subroutine?
8. What is flag?
9. What is I/O memory?
10. Define : stack pointer.
11. Define : asynchronous.
12. What is ASCII?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Discuss on 8085 micro processors.

14. Write about counters and time delays.

15. Write a program and flowchart for zero to nine counters.

16. Explain about assembly language programs techniques.

17. Explain about conditional call and return instructions.

18. Explain BCD multiplication and division operations.

19. Write a note on : Interrupts with examples.

PART C — (3 × 10 = 30 marks)

Answer any THREE wquestions.

20. Describe on 8085 bus organization with neat diagrams.

21. Explain the data transfer instructions and debugging.

22. Briefly explain DMA memory interface with examples.

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

24. Write a note on :

    (a) I/O interface

    (b) RAM and ROM.
