MAY 2022 **U/ID 46506/UCC3B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is Micro computer?
2. What are the basic units of a microprocessor?
3. Define stack.
4. What is program?
5. What is Looping?
6. Define Subroutine.
7. What is return Instruction?
8. How to convert Binary to BCD?
9. What is Interface?
10. Define Interrupt.
11. What is I/O memory?
12. Define DMA.

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Explain the Instruction sets and Examples.

14. Discuss about the jump instructions.

15. Compare CALL and PUSH instructions.

16. Explain the concept of stack operations.

17. Explain BCD Addition and subtraction with examples.

18. Write down the difference between Interrupts and procedure.

19. How DMA is Initiated? Explain.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain the Architectures of 8085 microprocessor.

21. Explain the various Addressing modes.

22. Write an Assembly Language program to convert binary number to decimal number.

23. Explain in detail about Hardware Interrupt Applications.

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

———————