MAY 2023 **U/ID 46506/UCC3B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is microprocessor?
2. What is Instruction?
3. What is mnemonic code?
4. What is Interpreter?
5. Define: Program counter.
6. What is I/O memory?
7. What is BVS?
8. What is meant by Asynchronous?
9. Define: Stack pointer.
10. What is Addressing modes?
11. What is Interrupt?
12. Define: DMA.

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions.

13. Write about microcomputer system with examples.

14. Explain Debugging counters with examples.

15. Explain about various I/O Interface with examples.

16. Write a note on Arithmetic and logical operations.

17. Explain multi Byte Addition and subtraction operations.

18. Explain BCD to HEX and HEX to BCD conversions with examples.

19. Write short notes on RAM and ROM.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Briefly explain the functions and architecture of 8085 micro processors.

21. Explain various Addressing modes with examples.

22. Discuss about modulo 10 counters and debugging counters.

23. Explain Debugging counters and time delay programs with examples.

24. Describe the various functions of DMA.
