NOVEMBER 2018 **51302/SAZ3B**

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define microprocessor.
2. List any two drawbacks of assembly languages.
3. What is meant by a loop?
4. Give the need for indexing.
5. Define debugging.
6. Mention the purpose of a counter.
7. How time delay in calculated?
8. Name any two operations in a stack.
9. Give the expansion for ASCII, BCD.
10. Mention the radix of a binary number.
11. Define interrupt.
12. Give the expansion for RAM, ROM.

II BCA → Microprocessors and its Application

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. What are the functionalities of a microcomputer?

14. Discuss the evolution of microprocessors.

15. Give the importance of MACROS.

16. Explain data transfer instructions with examples.

17. How call and return instruction works?

18. How BCD addition is performed?

19. How interrupts are implemented?

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Draw the architecture of 8085 microprocess and discuss it.

21. Write an assembly language program to pick the biggest among two given numbers.

22. What is a sub routine? Explain it with an example.

23. How the following conversions are made (a) BCD to Binary (b) Binary to BCD.

24. Discuss the trap problems on implementing 8085 interrupt.
