DECEMBER 2023 **U/ID 46505/UCC3A**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is Identifiers?
2. What is class?
3. What is mean by I/O stream?
4. What is constructors?
5. What is Inheritance?
6. How to open a file?
7. What is Command Line Argument?
8. What is Arrays?
9. What is Queue?
10. What is Binary Tree?
11. What is Singly Linked List?
12. What is Hashing Function?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Discuss on unformatted console I/O operations.

14. Explain the concept of function overloading.

15. Discuss on Hybrid Inheritance with examples.

16. Explain the procedure in converting Infix to postfix conversion.

17. Explain the Applications of Queue.

18. Discuss the structure of Polynomial Addition.

19. Describe the representation of Binary Tree with examples.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain the key concept of object oriented programming with examples.

21. Explain in single and Multilevel Inheritance mechanism with examples.

22. Write a program to copy the content of a text file into another text file.

23. Describe the various operations of Queue.

24. Explain the Graph Traversal Algorithm.
