DECEMBER 2022 **U/ID 46505/UCC3A**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions

1. What is Identifier?
2. What is Function?
3. What is Virtual function?
4. What is a File?
5. Define Destructor.
6. What is File Pointer?
7. Define Stack.
8. Name the operations on Array.
9. How Binary Tree is represented in Memory.
10. Define Queue.
11. Define Graph.
12. What is Hasting?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions

13. Discuss on the Evolution of C++.

14. Explain the importance of Virtual functions.

15. Explain the concept of Constructors with examples.

16. Explain the importance of Command Line Argument.

17. Write the push and pop Algorithm?

18. Write the steps for conversion of general Trees to Binary Trees.

19. Explain the types of Graphs.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions

20. Explain the basic concepts of object oriented programming.

21. Describe the syntax of for..while and do..while statement.

22. Explain the different types of Inheritance Mechanism.

23. Explain Insertion and deletion operations on a Queue.

24. Write an Algorithm and Explain operations of Binary Trees.

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