

APRIL 2023

51331/SU22A

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions

1. What is an object?
2. What are the uses of "this" pointer?
3. Give the syntax for specifying a class.
4. What is the use of "new" operator?
5. What do you mean by data binding?
6. Define: "Inheritance"
7. Give the example for continue statement
8. Write a note on exception.
9. What is abstract class?
10. What are string attributes?
11. How is an exception handled in C++?
12. What is a file mode?

I BCA \Rightarrow Object Oriented Programming Concepts using C++

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions

13. Describe the need of inline function with syntax.
14. Summarize the key concepts of Object-Oriented Programming.
15. Explain the multilevel inheritance with neat diagram.
16. Write a C++ program to perform arithmetic operations using the Operator Overloading.
17. Mention the classes for file stream operations
18. Elaborate the syntax and example of binary operators.
19. Write down the overloading unary operators with example.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions

20. Compare the for loop and while loop statements in C++.
21. What do you understand by constructor and destructor functions used in classes? How are these functions different from other member functions?

22. Discuss the purpose of hybrid inheritance with example.
23. Write a C++ program to find the biggest among the N numbers.
24. How will you declare and initialize string objects? Explain.