MAY 2023 **P/ID 17601/PCA1A**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions

1. Write the names of any four data types in C.

2. Define the term array.

3. List out the various operations on strings.

4. Differentiate between structure and union.

5. What are the components of a class?

6. What are the advantages of using Inline function?

7. What are called default arguments?

8. What is “this” Pointer?

9. Write any two operators that cannot be Overloaded.

10. Define the term Polymorphism.

11. What is an Exception?

12. Write the names of any two I/O manipulators.

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions

13. Describe the various operators in C.

14. Explain recursion with an example.

15. How will you pass structure to a function? Explain with syntax.

16. Explain command line arguments and its use.

17. Explain different types of constructors in C++ with examples.

18. Explain Operator overloading with program code.

19. Brief on Uncaught Exceptions.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions

20. Describe the control statements in C.

21. Explain the following with syntax and example:

    (a) Pointers and Arrays

    (b) Opening and closing File

22. Write a C ++ program to implement Function overloading.

23. Explain Multiple Inheritance with examples.

24. Explain about Exception handling with code examples.

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