

PROGRAMMING IN C++

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Explain about any two basic concepts of OOP.
 2. Explain various arithmetic operators with example.
 3. Explain the concept of object with suitable example.
 4. Explain this pointer with example.
 5. Explain the basic elements of a function with suitable example.
 6. Explain an two types of storage classes supported in C++.
 7. Explain the purpose of overloading operators.
 8. Explain runtime polymorphism.
9. What is the use of inheritance? Explain
10. Explain the concept of virtual base classes.

PART B — (4 × 10 = 40 marks)

Answer any FOUR questions.

11. Explain I/O operations in C++
12. Compare break and continue statements with examples.
13. Illustrate the reference arguments with programming example.
14. Write a C++ program to add two complex numbers.
15. Explain the types of base classes with suitable examples.
16. Explain the use of friend function with suitable programming example.

PART C — (2 × 15 = 30 marks)

Answer any TWO questions.

17. Write an essay on various control statements available in C++ with suitable syntax and examples.
18. Explain overloading of operators in C++. Write a program to over load a binary operator.

19. Write note on
- (a) Function overloading
 - (b) Virtual destructor
 - (c) Inline function
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