

PROGRAMMING IN C++

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. What are the benefits of CPP?
2. Differentiate break and continue statement with example.
3. What is the use of This pointer? Explain.
4. What are the differences between constructors and destructors?
5. Give explanation for Pass by Value and Pass by Address.
6. Write a program which holds student details using passing an Array of Structure.
7. Explain how to access the base class member function.
8. Explain Hybrid Inheritance.

9. What is binding? Write about this.
10. What are the rules for Virtual Functions?

PART B — (4 × 10 = 40 marks)

Answer any FOUR questions.

11. Explain the basic concepts of OOPs.
12. Write a note on Dynamic allocation.
13. Explain about Reference Arguments.
14. Define base class student and two derived class internal and external exams and a final derived class result. Write a program for this with your own data.
15. Explain with a program how to access the Constructor and Destructor in Inheritance.
16. Explain Virtual Destructor with an example program.

PART C — (2 × 15 = 30 marks)

Answer any TWO questions.

17. Explain about various operators C++.
18. Write an essay about Storage Classes.
19. Explain about Runtime Polymorphism.