

MAY 2014

**P/ID 17506/PCASF**

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Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. What is a friend function? Explain with an example.
2. Discuss on Inline functions.
3. Write notes on this pointer.
4. With example explain passing references to objects.
5. Write notes on member operator function.
6. Write a C++ program to overload () operator.
7. Discuss on Generic functions.
8. Write notes on C++ stream classes.

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions.

9. Explain OOps concepts.
10. Discuss the following
  - (a) Static data members.
  - (b) Static member functions.

11. Explain copy constructor with an example program.
  12. What are the various ways a references can be used? Explain.
  13. Write notes on inheritance.
  14. Discuss on virtual base classes.
  15. Write a C++ program to overload a template function.
  16. Explain exception handling with example program.
  17. Write notes on formatted I/O operations.
  18. Explain how to create your own manipulator functions.
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