

OCTOBER 2013

**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. State the features of OOPS.
2. Write a C++ program to find the sum of digits of a given number.
3. Explain function overloading with example.
4. Explain ambiguity in function overloading.
5. Explain polymorphism with example.
6. Write a program to check whether the given string is palindrome or not.
7. Explain exception handling in C++.
8. Write short notes on conversion functions in C++

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions.

9. Explain OOPS concepts in detail.
10. Explain :
  - (a) Passing objects to function.
  - (b) Function returning object.

11. Explain dynamic memory allocation with example.
  12. Explain constructors and destructors with example.
  13. Explain operator overloading and friend operator function with example.
  14. How to handle array index-out-of-Bound Exception in C++?
  15. Explain :
    - (a) Class Templates.
    - (b) Function Templates.
  16. Define inheritance and explain its types with example.
  17. Give brief notes on formatted I/O with its class function and manipulators.
  18. Explain about the File Opening Methods and Error Handling Functions with examples.
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