OCTOBER 2011   **P/ID 17417/RTC**

Time : Three hours   Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

All questions carry equal marks.

1. (a) Write about software evolution.

Or

(b) Describe the applications of OOPS.

2. (a) Give a note on memory management operator.

Or

(b) Write about function overloading.

3. (a) Write short notes on friend function.

Or

(b) Describe constructors with example.

4. (a) Write short notes on multilevel inheritance.

Or

(b) Write about 'this' pointer.

5. (a) Describe error handling in file operations.

Or

(b) Write about the basics of exception handling.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

All questions carry equal marks.

6. Write short notes on

(a) objects   (b) classes (c) inheritance

(d) polymorphism (e) data abstraction and encapsulation.

7. Explain control structures in C++.

8. Write about the functions in C++.

2   **P/ID 17417/RTC**

9. Illustrate the concept of operator overloading and its mechanism with unary and binary operators.

10. Explain virtual functions.

11. Elucidate C++ streams and its classes.

12. Explain the classes for file stream operations.

13. Explain Templates in C++.

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3 **P/ID 17417/RTC**