

MAY 2011

P/ID 17459/RCJ/PCAH

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

All questions carry equal marks.

1. (a) Explain OOPs concepts.
Or
(b) Explain how static members are used in class with example.
2. (a) Write short notes on friend functions.
Or
(b) Explain ambiguity in function overloading.
3. (a) Explain how base class members are inherited by derived class in different modes.
Or
(b) Explain pointers with example.
4. (a) Explain inline functions.
Or
(b) Explain when constructors and destructors are executed.

5. (a) Explain the use of the keywords try, catch and throw.

Or

- (b) What do you mean by arrays of objects?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

All questions carry equal marks.

6. Explain in detail about function overloading.
7. Explain about this pointer with example.
8. Explain inheritance with its types with example.
9. Explain array based I/O in detail.
10. Explain in detail about Standard Template Library (STL).
11. Explain pure virtual functions with examples.
12. Explain about function templates and generic functions in detail.
13. Explain in detail about I/O streams.