

MAY 2012

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) What are the Layers of software Technology?

Or

(b) Explain the organisation of data and functions in oop.

2. (a) Write short notes on Dynamic Initialization of variables.

Or

(b) Explain scope Resolution operators in C++.

3. (a) Give the General form of a class declaration.

Or

(b) Write short notes on parameterized constructors.

4. (a) Give the General form of defining the Derived class with an example.

Or

- (b) How to make a private member Inheritable in C++?

5. (a) Explain the opening of files using constructors.

Or

- (b) Write a program in C++ for a command -line arguments.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

All questions carry equal marks.

6. Write short notes on
(a) Procedure-oriented programming
(b) Object-oriented programming
7. Write short notes on
(a) Call by Reference
(b) Return by Reference
8. Explain the Inline Function with an example program.

9. Discuss Multiple construction in a class with an example program.
 10. Explain overloading the binary operator with an example program.
 11. Explain HYBRID Inheritance with an example program.
 12. Discuss on virtual base class with an example program.
 13. Explain class Template with an example program.
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