

MAY 2016

P/ID 17459/RCJ/PCAH

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) How are structures and classes related? Describe it with an example.

Or

- (b) What are constructors and destructors? Brief it with an example.

2. (a) Describe default argument with an example.

Or

- (b) What are copy constructors? Describe them with an example program.

3. (a) Define virtual functions. List out the rules of virtual functions.

Or

- (b) What are the base class access controls? Describe.

4. (a) How to overload << and >> operators?
Describe them with an example.

Or

- (b) Describe sequential input and output operations.

5. (a) Describe the function objects of STL.

Or

- (b) Write a note on string class of STL.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. What is object oriented programming? Explain.
7. Explain C++ References with an example.
8. How to overload operator using a friend function?
Explain.
9. Discuss on Formatted I/O operations of C++.
10. Summarize the features of Namespaces with an example.

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11. Describe classes. Explain them with an example.
 12. Describe: (a) Inline member function (b) Static member function. (c) Nested member function (d) Private member function
 13. Explain pointers with an example program.
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