

DECEMBER 2015

**P/ID 17459/RCJ/  
PCAH**

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Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) What is function overloading? Brief it with an example.

Or

- (b) Write a note on friend function with an example.

2. (a) List out the uses of *this* pointer. Describe it with an example program.

Or

- (b) Describe overloading constructor with an example.

3. (a) Give the method to pass parameter to Base-class constructor.

Or

- (b) What are virtual base classes? Give a note.

4. (a) How will you apply generic classes in C++?

Or

- (b) List out the error handling options. Describe.

5. (a) Describe the overview of Standard Template library.

Or

- (b) What is Namespace? Give its fundamentals.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Explain static class members with an example.
7. How does C++ dynamically allocate operators? Describe.
8. Discuss on the following overloading of special operators :
- (a) Overloading [ ]
  - (b) Overloading ( )
  - (c) Overloading ->.
9. Discuss on C++ Generic classes.

10. Explain Array-Based I/O operations.
  11. Discuss on C++ stream classes.
  12. What is object oriented programming? Explain.
  13. Discuss on the concepts of default function arguments with an example program.
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