

DECEMBER 2014

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

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) List and explain any three OOP principles.

Or

- (b) Give the syntax of a class declaration and explain with an example.

2. (a) How is pointer to an object declared?

Or

- (b) Write a note on dynamic allocation operators.

3. (a) What is a virtual base class? Explain.

Or

- (b) What is a friend operator function? Explain.

4. (a) What are generic functions? Explain.

Or

- (b) Write about uncaught exceptions. Give an example.

5. (a) Explain the C++'s predefined streams.

Or

- (b) List out the various values defined in IOS class.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Explain the use of constructors and destructors. Give examples.
7. With suitable examples explain how are structures and classes related?
8. Discuss on 'References in C++'.
9. What are virtual functions? Explain in detail.

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10. Discuss on the various exception handling options available in C++.
 11. Explain the stream classes of C++.
 12. Discuss on 'Random Access I/O'.
 13. Explain in detail Namespaces.
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