

OCTOBER 2013

P/ID 17417/RTC

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) List the benefits and applications of OOP.
Or
(b) List the limitations of procedure oriented programming.
2. (a) Describe the hierarchy of operators in C++.
Or
(b) Write about the merits and pitfalls of friend functions.
3. (a) Compare classes and objects.
Or
(b) Write about destructors.
4. (a) Write about the usage of 'this' pointer with an example.
Or
(b) Write about access scope specifiers.

5. (a) Write notes on command line arguments.

Or

- (b) Write a function template to add two numbers of any data type.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Explain the features of object oriented programming.
7. (a) Write notes on manipulators. Give example.
(b) Write down the parameter passing mechanisms in C++.
8. Describe the different types of constructors with an example.
9. Describe the various control structures in C++.
10. Write a C++ program to demonstrate operator overloading.
11. Describe the different types of inheritance with example.
12. Write a C++ program for 'payroll' using files.
13. Write about the exception handling mechanism in C++.