



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)
उत्तराखण्ड मुक्त विश्वविद्यालय, हल्द्वानी (नैनीताल)

BCA 2nd YEAR 3rd SEMESTER ASSIGNMENT

Last Date of Submission: 15/01/2016

Course Title: Object-Oriented Programming through C++

Course Code: BCA-08

Year: 2015-16

Maximum Marks: 40

Section 'A' contains 08 short answer type questions of 5 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

1. What is the application of scope resolution operator in C++?
2. How functions can be made inline? Explain with examples.
3. How polymorphism achieved at (i) compile time, and (ii) run time?
4. What is virtual class? When a class is made a virtual base class?
5. What is the application of this pointer?
6. What is Operator Overloading? Why is it necessary to overload operator?
7. What is a File Handling? How will you open and close a file?
8. Write any program in C++ to use the Virtual function in the derived class.

Section 'B' contains 04 long answer-type questions of 10 marks each. Learners are required to answers 02 questions only.

1. What is Object Oriented Programming? How it is different from the Procedure Oriented Programming?
2. What is Inheritance? What are the different forms of inheritance? Give an example for each.
3. What is Constructor? Can we have more than one Constructor in a Class? If yes, explain the need for such situation?
4. What are the different features of Object Oriented Programming? Explain each of them.