



## UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)

MCA-11 2<sup>nd</sup> YEAR 3<sup>rd</sup> SEMESTER ASSIGNMENT*Last Date of Submission: 15 Jan., 2014***Course Title:** Object-Oriented Programming through C++**Course Code:** MCA-10**Year:** 2013-14**Maximum Marks:** 40 Marks

**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 OOP? What are the difference between POP and OOP?
2. What do you mean by dynamic binding? How it is useful in OOP?
3. What is the use of preprocessor directive `#include<iostream>`?
4. What is a class? How objects of a class are created?
5. What is the significance of scope resolution operator (`::`)?
6. Differentiate between compile time polymorphism and run time polymorphism.
7. What is a stream?
8. What are input and output streams?

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

1. Describe briefly the features of I/O system supported by C++.
2. Explain the exception handling procedure with suitable example.
3. Explain Inline function and Function overloading with the help of an example.
4. What is a constructor? Explain types of constructor with example.