



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)

उत्तराखंड मुक्त विश्वविद्यालय, हल्द्वानी, नैनीताल

**CCAP/ DCA/ ADCA
(M-03) ASSIGNMENT**
**Software Engineering Concepts,
Programming Techniques (C++ with OOPS)**

Last Date of Submission: 15 June 2011

**Course Title: Software engineering Concept,
Programming Techniques (C++ With OOPS)**

Course Code: M-03

Year: 2010-11

Maximum Marks: 20 Marks

Section 'A'

Note: Section 'A' contains eight short answer type questions of 2.5 marks each. The learners are required to answers four questions only. Answers of short answer-type questions must be restricted to about 250 words approximately.

1. Explain the features of Object Oriented Programming with suitable example.
2. Discuss Control Statements with example.
3. Explain the use of switch-case statement.
4. Differentiate between while and do-while loop with the help of suitable example.
5. Discuss flow chart with a suitable example.
6. Explain waterfall model.
7. What is software maintenance?
8. Discuss following in brief:
 - a. Preliminary Design
 - b. Detailed Design

Section 'B'

Section 'B' contains four long answer-type questions of 5 marks each. Learners are required to answers two questions only.

1. Write a program :
 - a. To calculate square and cube of number using inline functions.
 - b. To calculate area of square and rectangle using function overloading.

2. Explain with the help of suitable example:
 - a. Constructor
 - b. Destructor
3. What is the SRS? List the five desirable characteristics of a good SRS document.
4. Explain Software cost estimation methods and Procedures.

