



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

CCAP/ DCA/ ADCA
(M-03) ASSIGNMENT
*SOFTWARE ENGINEERING CONCEPTS,
PROGRAMMING TECHNIQUES (C++ WITH OOPS)*

Last Date of Submission: 15 January, 2012

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

Course Code: M-03

Year: 2011-12

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. Discuss the goals of software engineering.
2. Explain Software cost estimation methods and Procedures.
3. Discuss the management issues encounters to establish software engineering.
4. Discuss the activities done in the development phase of the software development.
5. Discuss the importance of maintenance phase in Software Engineering process.
6. Discuss OOPS terminology and features.
7. Differentiate between structure languages and object oriented language.
8. Discuss the characteristics of good programming?

Section 'B'

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

1. Discuss of files and streams, Explain following with example:
 - a. Opening and closing of files
 - b. File modes
 - c. getline function
 - d. File pointer

2. Explain the following with suitable example:
 - a. if, if- else, if-else-if statement
 - b. switch Statement
 - c. Conditional operator
 - d. goto statement
 - e. while, do- while, for statements
3. (a) Draw a flow chart to calculate student result. (Make suitable assumptions)
(b) Discuss Rules, Advantages and implementation of flow chart with a suitable example.
4. Define function overloading and operator overloading with appropriate example.

