



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)

उत्तराखंड मुक्त विश्वविद्यालय, हल्द्वानी, नैनीताल

**CIT/ DIT/ ADIT
(M-07) ASSIGNMENT
INTRODUCTION TO DATABASE MANAGEMENT,
PROGRAMMING TECHNIQUES (C++ WITH OOPS),
E-COMMERCE TECHNOLOGY**

Last Date of Submission: 15 January, 2012

**Course Title: Introduction to Database Management,
Programming Techniques (C++ with OOPS),
E-Commerce Technology**

Course Code: M-07

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 answer four questions only. Answers of short answer-type questions must be restricted to about 250 words approximately.

1. Discuss OOPS terminology and features.
2. Differentiate between structure languages and object oriented language.
3. Define function overloading and operator overloading with appropriate example.
4. Discuss E-shopping with its advantages and disadvantages.
5. Discuss security issues of E-commerce.
6. Differentiate between traditional commerce and e-commerce.
7. Discuss various features of online banking.
8. How does SQL implement the entity integrity and referential integrity constraints of the relational model? Explain with example.

Section 'B'

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

1. Write Short notes on the following:-
 - a. Data Warehousing.
 - b. Data mining.
 - c. Database security.

- d. Distributed databases.
2. Consider the following relation:
PROJECT (project, project_name, chief_architect)
EMPLOYEE (empid, emp_name, age)
ASSIGNED_TO (project, empid)
Create table PROJECT, EMPLOYEE and ASSIGNED_TO and enter five records in each table.
 3. Discuss of files and streams, Explain following with example:
 - a. Opening and closing of files
 - b. File modes
 - c. getline function
 - d. File pointer
 4. 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

