



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)

MScIT 2nd YEAR 4th SEMESTER ASSIGNMENT*Last Date of Submission: 15 May,2014***Course Title:** Advanced Database Management System. **Course Code:** MScIT-14**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. Define DBMS.
2. What are the different advantages of a distributed database management system?
3. What are the different techniques for database recovery? Discuss in detail.
4. Explain the types of database Systems.
5. Explain the DDL Commands in SQL with example.
6. What is Functional Dependency? Explain with example
7. What are the responsibilities of a Database Administrator (DBA)?
8. What are the goals of database architecture?
9. Differentiate between a strong entity set and a weak entity set.

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

1. With an neat diagram, explain the client/server model.
2. Define Normalization Discuss in detail 1NF, 2NF, 3NF.
3. Explain the 3-tier architecture of DBMS.
4. Discuss the basic concept of E-R Model.