



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

M.SC.IT 1ST YEAR 2ND SEMESTER ASSIGNMENT

Last Date of Submission: 15 July 2015

Course Title: Fundamental of database management system **Course Code:** M.Sc.IT-07

Year: 2014-15

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 do you mean by the terms: field, record, file? Explain with examples.
2. Difference between DBMS approach & traditional file approach.
3. Explain the role of a Database Administrator.
4. What is data model?
5. What are the DDL and DML commands?
6. Define the concept of aggregation. Give an example where this concept is useful.
7. What are the characteristics of SQL?
8. Explain the SQL logical operators with examples.

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

1. Explain three level database architecture. What are its objectives?
2. What do you mean Database Language? What are the different types of data base language Explain with example.
3. Explain the different types of keys with an example.
4. What is Normalization? Explain 1NF, 2NF and 3NF with an example.