



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

**BCA 2<sup>ND</sup> YEAR 3<sup>RD</sup> SEMESTER ASSIGNMENT**

*Last Date of Submission: 15/01/2016*

**Course Title:** Database Management System

**Course Code:** BCA-09

**Year:** 2015-16

**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 is DBA? Explain
2. Write the advantages of distributed database.
3. What is the difference between data and information?
4. Distinguish between primary key, candidate key and super key.
5. What are different data types of SQL? Explain with example.
6. Describe the term data redundancy.
7. Write short notes on
  - a. Generalization
  - b. Aggregation
8. Differentiate Prime attribute and Non-prime attribute with example.

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

1. Explain the difference between a weak and a strong entity.
2. Explain the difference between physical and logical data independence.
3. Explain client-server architecture in database management system.
4. What is Schema? Explain the different types of Data Models.