

7. Explain the various database recovery techniques.

**Unit-IV**

8. Explain the characteristics of multimedia databases. Why are multimedia databases used?

9. Describe following emerging database technologies :  
(a) Internet  
(b) Digital libraries.

Roll No. ....

**57025**

**B.B.A. (Re-appear) 3rd Semester  
(Old) 2011-14**

**Examination – November, 2016**

**Database Management System**

**Paper-BBA-305**

**Time : 3 hours**

**Max. Marks : 50**

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

**Note : All questions are compulsory in**

**Section-A.** Attempt **four** questions selecting **one** question from each unit in **Section-B.** All questions carry equal Marks.

**Section-A**

1. (a) What is data independence?  
(b) What are the major threats to databases?  
(c) What factors lead to mining of data?  
(d) What is schema?

3. (a) Differentiate between data and information.

- (b) Differentiate between file-oriented system and database system.

**Unit-II**

4. Define instance, schema and sub-schema.

Explain the 3 schema architecture.

5. What is data modelling? Why is it so important in DBMS design? What are the different design steps in DBMS design ?

**Section-B**

**Unit-I**

2. What do you understand by Data Dictionary ? Why Data Dictionary is important in structured analysis ? What are the advantages of Data Dictionary ?

**Unit-III**

6. Describe the features of distributed databases. What are the security issues involved in distributed databases ?