

Roll No. ....

**57535**

**B.B.A. 4th Semester (N.S.) (Re-appear)  
Examination – October, 2020**

**DATABASE MANAGEMENT SYSTEM**

Paper : BBAN-405

**Time : 1.45 Hours ] [ Maximum 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 examination.*

**Note :** Attempt any *three* questions. All questions carry equal marks.

1. (a) Cite the limitations of distributed databases.  
(b) What is data dictionary ?  
(c) What is data mining ?  
(d) Discuss physical data independence.  
(e) How internet has impacted databases ?
2. "A database is a computer based repositories for logically coherent meaningful data." Explain. Briefly discuss the advantages of using the DBMS.

3. What are the responsibilities of the DBA ? Also discuss the capabilities that should be provided by a DBMS in your opinion.
4. What is the hierarchical database model ? Discuss the advantages and disadvantages of the hierarchical database model.
5. Explain different types of database systems.
6. What is database recovery ? Why is recovery needed ? What are the different techniques for database recovery ?
7. List and discuss the different issues related to database security.
8. Discuss about mobile database and multimedia database with examples. Explain design and implementation issues in Mobile Database.
9. Discuss how mobile computing is envisioned as a new dimension in data communication and processing.