

57535

BBA 4th Semester (NS) 2014-17

Examination, May-2023

DATABASE MANAGEMENT SYSTEM

Paper-BBAN-405

Time allowed : 3 hours] [Maximum marks : 50

Note : Attempt five questions in all, selecting one question from each unit. Question No. 1 is compulsory. All questions carry equal marks.

1. (a) Explain Database Administrator 2
- (b) Data independence 2
- (c) Database Recovery 2
- (d) Digital Libraries 2
- (e) Data Mining 2

Unit-I

2. Who is Database Administrator ? Explain his functions and responsibilities. 10
3. Explain the following :
 - (i) Database Management System 5
 - (ii) File oriented system versus Database system 5

Unit-II

4. Explain database systems. Describe difference between hierarchical, network, relational and object oriented database systems. 10

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5. Explain the following :
- (i) Differentiate between schema and subschema. 5
 - (ii) What is an instance ? Explain its role in database system. 5

Unit-III

6. What are threats and security issues associated with a database system ? Describe the importance of security in database management. 10
7. Explain the following :
- (i) Access Control 5
 - (ii) Authentication versus Authorization 5

Unit-IV

8. What are emerging database technologies ? Describe difference between internet databases, digital libraries, multimedia databases and mobile databases. 10
9. What are benefits and challenges of using data warehousing and data mining in an organisation. 10