

57535

BBA 4th Semester (N. S.) 2014-17

Examination - April, 2018

DATABASE MANAGEMENT SYSTEM

Paper : BBAN - 405

Time: Three 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 **Huisregard will be entertained***

Note: Attempt all 5 parts of the question in Section - A.

Attempt four questions selecting one question from each Unit. All questions carry equal marks.

SECTION - A

1. Explain the following:

- (a) Difference between data and Information
- (b) Hierarchical data model
- (c) Schema
- (d) Firewall
- (e) Mobile database

SECTION - B

UNIT - I

2. What is database management system ? Specify the

meaning and purpose of data dictionary in database management system.

3. How is the database system approach superior to file

oriented system ? Also, briefly describe the role on **database administrator in managing database) system**

UNIT - II

4. Explain the three-schema architecture of a database

management system. Why do we need mappings between different schema levels ?

5. Discuss network data model taking suitable example.
What are its advantages and disadvantages ?

UNIT - III

6. What do you understand by a distributed database ?

What are its main objectives ? Also state the technical problems of a distributed system.

7. Explain the following:

(a) Database security issue

(b) Database recovery

UNIT - IV

8. How does data mining help business organizations to get a competitive edge ?

(b) Write in brief about the concept of digital library

9. Write short notes on the following:

(a) Data warehousing.

(b) Spatial database