

Roll No.

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 this regard, will be entertained after examination.

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

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- (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 of database administrator in managing a 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 ?

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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 issues
 - (b) Database recovery

UNIT - IV

- 8. (a) 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

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