

No. of Printed Pages : 03

Roll No. ....

**C-155**

**B.B.A. EXAMINATION, Dec. 2017**

(Third Semester)

(Main & Re-appear)

(BBA)

BBA-209

DATA BASE MANAGEMENT SYSTEM

*Time : 3 Hours]*

*[Maximum Marks : 50*

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

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**Note :** Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(3-08/12)M-C-155

**P.T.O.**

### Unit I

1. What is database management system ? What role does database administrator play in the management of a database system ?
2. (a) Differentiate the following :
  - (i) Data and information
  - (ii) Record and file.(b) What do you mean by the term 'data dictionary' ? Explain in brief its utility in database management system.

### Unit II

3. (a) Briefly describe various levels of architecture of database system with the help of a diagram.  
(b) Explain schema and subschema with the help of suitable examples.
4. Discuss network data model taking suitable example. What are its advantages and disadvantages ?

### Unit III

5. (a) Discuss, how firewall prevents unauthorized access to the databases.  
(b) Why do we need the recovery procedure in database system ?
6. What do you mean by distributed database ? Discuss the steps involved in designing such databases.

### Unit IV

7. What is data mining ? How does it help business organizations to get a competitive edge over others ?
8. Explain any *two* of the following :
  - (a) Digital library
  - (b) Multimedia database
  - (c) Spatial database.