

Roll No. ....

57535

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

Examination – May, 2019

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 :** Section – A is compulsory. Attempt *one* question from each unit in Section – B. All questions carry equal marks.

**SECTION – A**

1. (a) Differentiate between record and file.  
(b) What is schema ?  
(c) Distinguish between integrity and security.  
(d) What is an instance ?  
(e) What is a firewall ?

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## SECTION - B

### UNIT - I

2. (a) How data is different from information ? When does a data become information ? Specify different types of data.  
(b) What is the significance of data dictionary ?
3. Explain the characteristics of data base approach as compared to file oriented system. Discuss different kind of services offered by DBMS.

### UNIT - II

4. Explain the DBMS architecture with neat & clean diagram.
5. Explain the difference between Logical and Physical data independence.

### UNIT - III

6. What is distributed data base ? What are the components of a distributed database system ? Explain with the help of a diagram.
7. Describe the countermeasures to database security threats.

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### UNIT - IV

8. (a) Explain the structured multimedia database system.  
(b) Write the advantages of web database.
9. (a) What are the steps involved in data mining process ?  
(b) Why are data warehouses prepared ?

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