

Roll No. ....

**SECTION – B**

**UNIT – I**

**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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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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