Roll No. ....

57535

BBA 4th Semester (N. S.) 2014-17 Examination – May, 2019

DATABASE MANAGEMENT SYSTEM

Paper : BBA-N305

Time : Three Hours]　　　　　[Maximum Marks : 50

Before answering the question 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 ?

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.

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 ?