Roll No. ....

57025

B.B.A 3rd Semester (N.S.) 2011-14 Examination–December, 2012

Database Management System

Paper : BBA-305

Time : 3 hours	*Max. 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 the examination.

Note : Attempt all 5 questions of 2 marks each in Section A. Attempt 4 questions selecting **one** question from each Unit in Section B. All questions carry equal marks.

SECTION - A

1. Differentiate between data and information.

2. What do you mean by schema ? Give example.

3. Explain the network data model, giving example.

4. Outline major threats to database security.

5. What do you understand by multimedia database ?

Section – B

UNIT - I

6. (a) What do you understand by database management system ? Explain.

   (b) Clarify the meaning and purpose of data dictionary in database management system.

7. Who is database administrator ? What are the main functions and responsibilities of database administrator ?

UNIT - II

8. (a) Briefly describe the various levels of architecture of database system with the help of a neat diagram.

(b) Clarify meaning of the term 'data independence' and differentiate between logical and physical data independence.

9. What is relational data model ? How data records are accessed in relational data structure ? Explain giving suitable example.

UNIT - III

10. (a) What is a firewall ? Also discuss various types of firewalls.

(b) Why do we need the recovery procedure in database system ? Explain.

11. State the meaning and objectives of a distributed database. Also discuss the technical problems of a distributed database system.

UNIT - IV

12. (a) How does data mining help business organizations to get a competitive edge ?

(b) Write in brief the concept of digital library.

13. Write short notes on the following :

(i) Data warehousing

(ii) Spatial database

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