Register Number
Name of the Candidate:

M.B.A. DEGREE EXAMINATION, May 2015

(E-BUSINESS)

(FIRST YEAR)

141/160: DATABASE MANAGEMENT SYSTEMS

(Old and New Regulations)

Time: Three hours   Maximum: 75 marks

SECTION-A   **(5×3=15)**
Answer any FIVE questions

1. List out the important advantages of DBMS.

2. Why relation is needed?

3. What are the main components of SQL?

4. Define Operator.

5. What are the different types of Cursor?

6. Mention the purposes of Normalization.

7. What is a Trigger? List out its types.

8. Why Data Abstraction in needed?

SECTION-B   **(3×15=45)**
Answer any THREE questions

9. a) Explain in detail about various Data models in DBMS with neat sketch.

   b) Discuss the major issues in implementing a DBMS.

10. a) Give a detailed note on E-R model with suitable examples.

    b) Describe the importance of BCNF with appropriate illustrations.

11. a) How do we create table, views and index using SQL commands?

    b) Explain the various types of keys that are used in relational model.

12. a) Discuss in detail about pattern matching with suitable illustrations.

    b) Illustrate the use of GRANT command with suitable examples.

13. a) How does a database trigger differ from stored procedure?

    b) Write short notes on Cursors.

SECTION-C   (1×15=15)

(Compulsory)

14. Consider the following relations: BRANCH (branch _name, branch _city, assets) ,ACCOUNT(accno, branch _ name , balance), DEPOSITOR (customer _ name. accno , customer_ street, customer _city).Write the SQL statements for the following :

1) List all the customers who have at least two accounts at the branch.

2) List all the accno whose accounts are in a branch _name where an asset is maximum

3) List all the customers whose account balance is minimum.

4) List all the customers who have an account at all the branches located in a specific city.

5) Demonstrate how you delete all account tuples at every branch located in specific city.

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