Third Semester B.B.M. Examination, June/July 2010
DATABASE MANAGEMENT SYSTEM

Time : 3 Hours   Max. Marks : 80

SECTION – A

1. Answer **any five** sub-questions. **Each** question carries **two** marks :   **(2×5=10)**

   a) What is secondary key ?

   b) Who is DBA ?

   c) What is entity and attribute ?

   d) What is systems variables ?

   e) What is data mart ?

   f) What is triggering in SQL ?

   g) What is shadow paging ?

SECTION – B

Answer **any four** questions. **Each** question carries **five** marks :   **(4×5=20)**

2. What is data mining ? Explain data mining techniques.

3. What is backup ? Explain backup techniques.

4. Write the SQL commands to create/update/delete a bank database with fields :
   accno, name, balance, acctype and remarks.

5. What is database administration ? Compare it with systems administration.

6. What is reverse engineering ? Explain with an example.

SECTION – C

Answer **any five** questions. **Each** question carries **ten** marks : (5×10=50)

7. What is database security ? Explain Aaccess control, auditing, authentication and different encryption methods.

8. Describe logical and relational database modeling.

9. Explain extreme programming and the factors affecting database design.

10. What are the three normal forms and explain entity relationship ?

11. Explain domain analysis and requirement analysis.

12. How do you enforce serializablity by locks ? Explain the architecture for a locking scheduler.

13. What is DD, DCL, DML and DDL ? Explain each with examples.

14. Explain the following :

    a) Types of privileges at the access control and those at the relation level

    b) Locking granularity.

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