

END TERM EXAMINATION

SECOND SEMESTER [BBA] MAY-JUNE-2013

Paper Code: BBA108 BBA(B&I)108 BBA(TTM)108 BBA(MOM)108	Subject: Database Management System
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Time : 3 Hours

Maximum Marks :75

Note: Attempt five questions.

1. a) Explain what are database views? [5]
b) Draw an ER diagram for a garment sales company dealing with different types of garments like shirts, pants, shorts and vests. The company keeps the information about warehouses, vendors and customers. Choose the attributes in such a way that they are sufficient to represent an entity. [10]
2. a) What are functional dependencies? Explain Armstrong's Axioms. [5]
b) Differentiate between 2NF and 3NF with a suitable example. [10]
3. a) Differentiate between a lossy join and a lossless join with suitable example. [5]
b) What are the various rules for database decomposition? Explain. [10]
4. a) List the twelve Codd rules. [5]
b) Explain the three tiered architecture of RDBMS. What are the various levels of abstraction? [10]
5. a) Explain the various integrity constraints. [5]
b) Explain the various operations of SQL DML with suitable examples. [10]
6. a) What are aggregate functions in SQL? Explain. [5]
b) What are nested queries? Explain with suitable example. [5]
c) Why null values are important in a database? Explain. [5]
7. Explain the following terms: [15]
a) Primary key b) Foreign Key c) Entity Set d) Relationship Set e) Data independence
8. Write short notes on the following: [3 x 5 = 15]
a) SQL DDL
b) Database Administrator
c) Extended Entity Relationship Features
