END TERM EXAMINATION
SECOND SEMESTER [BBA] MAY-JUNE-2013

Paper Code: BBA108
BBA(B&J) 108
BBA(TTM) 108
BBA(MOM) 108

Subject: Database Management System

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]

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]

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:
   a) Primary key  b) Foreign Key  c) Entity Set  d) Relationship Set  e) Data independence

8. Write short notes on the following:
   a) SQL DDL
   b) Database Administrator
   c) Extended Entity Relationship Features [3 x 5 = 15]