

END TERM EXAMINATION

SECOND SEMESTER [BBA] MAY- JUNE 2015

Paper Code: [BBA/B&I/TTM/MOM]-108

Subject: Database Management System

Time: 3 Hours

Maximum Marks: 75

Note: Attempt any five questions including Q. No 1 which is compulsory.

- Q1 Explain briefly:-
- (a) Define three level of data abstraction (3)
 - (b) Define entity (3)
 - (c) Define super key and primary key (3)
 - (d) Define normalization (3)
 - (e) What are the functions of Database administrator (3)
 - (f) Define tuples and attribute (3)
 - (g) Define mail merge (3)
 - (h) Define SQL (2)
 - (i) Define UNION and INTERSECTION. (2)
- Q2
- (a) Differentiate between loss less and lossy decomposition with example. (4)
 - (b) Give five examples statements of each DDL and DML. (4.5)
 - (c) Explain primary key, secondary key, candidate key and foreign key in brief. (4)
- Q3 Draw ER diagram corresponding to customers and Loan. Explain the various shapes and lines used in ER Model. (12.5)
- Q4 Define the following anomalies- (12.5)
- (a) Update anomaly
 - (b) Insertion anomaly
 - (c) Deletion anomaly
- Q5
- (a) Explain the purpose of the database system. (6)
 - (b) Explain different Database users. (6.5)
- Q6 We have following relations: (12.5)
- Supplier(S#, sname, status, city)
 Parts(P#, pname, color, weight, city)
 SP(S#, P#, quantity)
- Answer the following queries in SQL.
- (a) Find the supplier for city ='Delhi'.
 - (b) Find suppliers whose name start with 'AB'
 - (c) Find all suppliers whose status is 10, 20 or 30.
 - (d) Find total number of city of all suppliers.
 - (e) Find the name of suppliers who supplies quantity of the item P1 more than 50.
- Q7
- (a) List three reasons why null values might be introduced to the database. (6)
 - (b) Mention the fundamentals operations of relational DBMS and their symbol. (6.5)
- Q8 Write short notes on **any two**:- (6.25x2=12.5)
- (a) Creating Report using Report Wizard
 - (b) Access object understanding
 - (c) Codd rules