

END TERM EXAMINATION

SECOND SEMESTER [BBA] MAY JUNE - 2014

Paper Code: BBA-108

BBA(TTM)-108

BBA(B&I)-108

BBA(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 (a) What do you mean by Database Management System? Why it is needed? (4)
 (b) Differentiate conventional file system and a DBMS. (3)
 (c) Explain the advantages and applications of a DBMS. (4)
 (d) Explain the use of DML commands. (4)
- Q2 (a) Write short notes on **any three-** (3X3=9)
 (i) Database Models.
 (ii) Architecture of DBMS.
 (iii) Data Abstraction
 (iv) Data Independence.
 (b) What do you understand by "Conceptual Modelling". Explain. (6)
- Q3 (a) What are mapping Cardinalities? (5)
 (b) Define the following (**any five with suitable examples**) (2X5=10)
 (i) Tangible and Non-tangible entity.
 (ii) Entity Type and Entity set
 (iii) Simple and Composite attributes
 (iv) Stored and Derived attributes
 (v) Single and multi-valued attributes
 (vi) Strong and weak entity sets
- Q4 (a) Why the E-R diagrams are needed? Explain different E-R diagram notations and naming conventions. (10)
 (b) What are the different types of Relationships between Entities? (5)
- Q5 (a) Give some features of Good Relational Design. (5)
 (b) What do you understand by "NORMALISATION" concept? Give its advantages. (5)
 (c) What are aggregate operators? Explain with examples. (5)
- Q6 Discuss various Normal forms (upto 3rd) in detail. Give suitable examples. (15)
- Q7 (a) Explain the working of set operators with the help of suitable examples. (5)
 (b) What are uses of Reports in MS-Access? How are they created? (5)
 (c) Explain nested queries with suitable examples. (5)
- Q8 Write short notes on **any five-** (3X5=15)
 (a) Codd's Rules
 (b) Foreign Key Constraints
 (c) Use of creating views
 (d) Functional Dependencies
 (e) Data types in MS-Access
 (f) Concurrency