

GUJARAT TECHNOLOGICAL UNIVERSITY
MBA - SEMESTER-III • EXAMINATION – WINTER 2013

Subject Code: 2830401**Date: 19-12-2013****Subject Name: Database Management (DM)****Time: 14:30 pm – 17:30 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a)** Explain view of data, data abstraction, instances and schema. **07**
(b) Explain advantage of database management system over traditional file processing system. **07**

- Q.2 (a)** Answer the Following (3 + 4 = 7 Marks) **07**
I. Explain the concept of weak entity set and strong entity set with proper illustration.
II. Explain one-to-one, one-to-many, many-to-one, and many-to-many Relations
(b) Explain in detail Client/server database Architecture and its advantages. **07**
OR
(b) Define Referential Integrity Constraints. Explain Insert, Delete, Update anomalies with proper example. **07**

- Q.3 (a)** Answer the Following (3 + 4 = 7 Marks) **07**
I. Explain with proper illustrate Super Key, Candidate Key and Primary
II. State Four conditions that suggest the designer should model a relation as associative entity type.
(b) Explain Attribute inheritance and Generalization & Specialization case. **07**

- OR**
Q.3 (a) Explain Cardinality Constraints. **07**
(b) Discuss the guidelines for naming data object and defining the relationship. **07**

- Q.4 (a)** Discuss the Role of SQL in the Database Architecture **07**
(b) Explain DDL and DML with proper syntax **07**

- OR**
Q.4 (a) What are the benefits of Standardized SQL **07**
Q.4 (b) Explain DCL with proper example and with syntax of grant and revoke. **07**

- Q.5 (a)** Explain how creating a view may increase data security. Also explain why one should not rely completely on using views to enforce data security. **07**
(b) Explain rollback and rollforward **07**

- OR**
Q.5 (a) Draw and explain different Transaction State. **07**
(b) Explain base table and virtual table. Discuss Dynamic view with Pros and Cons. **07**
