

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MBA - SEMESTER-III • EXAMINATION – SUMMER • 2014

Subject Code: 2830401

Date: 29-05-2014

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) What is RDBMS? What are the advantages gained by the adoption of the standardized relational language? **07**
(b) What do you understand by relationship? Explain in brief the three types of relationship degrees and give an example of each. **07**
- Q.2** (a) Explain Database Management System. Also discuss advantages of database approach. **07**
(b) Explain in detail Client/Server database architecture and its advantages. **07**
- OR**
- (b) Explain triggers and routines. Discuss in brief the advantages of routines. **07**
- Q.3** (a) Explain Normalization in detail. How do functional dependencies affect Normalization? **07**
(b) Differentiate between Primary Key & Foreign Key with example. **07**
- OR**
- Q.3** (a) Explain the role of SQL in the Database Architecture. **07**
(b) State the reason for entity clustering. Specify constraints in Supertype/Subtype relationships. **07**
- Q.4** (a) Explain DDL and DML with proper syntax. **07**
(b) Write short notes on: Network Model & Hierarchical Model. **07**
- OR**
- Q.4** (a) Write a short note on Attributes. **07**
(b) What is join? Explain in brief the various types of joins. **07**
- Q.5** (a) Draw and explain different Transaction State. **07**
(b) What is database? List the major components in a database system environment. **07**
- OR**
- Q.5** (a) Write a short note on Entity. **07**
(b) Describe six categories of middleware. **07**
