Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

MBA - SEMESTER–III • EXAMINATION – SUMMER • 2015

Subject Code: 2830401 **Date: 01-06-2015**

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 client/server based Database? Discuss the components of client/ server computing	**07**
	(b)	Explain the use of any three aggregate functions of SQL with an example for each	**07**
Q.2	**(a)**	What is the difference between a database schema and a database instances?	**07**
	(b)	Explain DDL with Statements.	**07**
		OR	
	(b)	What are integrity constraints? Discuss different types of integrity constraints.	**07**
Q.3	**(a)**	Define a data manipulation language. Write a syntax for following and give an example for each. (i)Select Statement, (ii) Update Statement, (iii) Delete Statement, (iv) Insert Statement	**07**
	(b)	Describe three main type of TCL Statements.	**07**
		OR	
Q.3	**(a)**	Discuss main difference between Relational database Management system and Object oriented database management system.	**07**
	(b)	Write a note on Basic Database Models.	**07**
Q.4	**(a)**	Explain Relationships and Relationship sets of E-R Diagram.	**07**
	(b)	What is the Difference Between File System and DBMS? Explain the Benefits of DBMS.	**07**
		OR	
Q.4	**(a)**	Define different keys used for construction of E-R Diagram.	**07**
	(b)	Explain Two and Three tier architecture for DBMS.	**07**
Q.5	**(a)**	Explain any five application areas of Database management system.	**07**
	(b)	Explain the conceptual database design with E-R Diagram.	**07**
		OR	
Q.5	**(a)**	Explain the People who deal with Database Management System.	**07**
	(b)	What is Middleware? Explain Six Categories of Middleware.	**07**

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