Enrolment No.\_\_\_\_\_ Seat No.: \_\_\_\_\_

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

		MCA - SEMESTER-V • EXAM	INATION – SUMMER • 2014	
Subj	ect (	Code: 650004	Date: 30-05-20	14
-		Name: Advanced Data Base Ma	nagement System	
-	e: 10	9:30 am - 01:00 pm	Total Marks:	<b>70</b>
	1. 2.	Attempt all questions.  Make suitable assumptions whereve Figures to the right indicate full man	· ·	
Q.1	(a) (b)		ent modules of a DBMS and their	07 07
Q.2	(a) (b)	records?  2. Explain in brief the actions security.	•	04 03 07
	<b>(L.)</b>	0		07
	<b>(b)</b>	Write a note on Public Key Encryptic	on.	07
Q.3	(a)	List different types of Discretionary privileges using the GRANT OPTION		07
	<b>(b)</b>	Explain different types of Multimedia  O		07
Q.3	(a)	What are the goals of database tunin indexes.	g? Explain the process of tuning the	07
	<b>(b)</b>	Explain Type Constructors and Relational support in SQL-99	Encapsulation features of Object-	07
Q.4	(a)	What is Temporal Database? Explain Object-Oriented Database using example.	1 1 0	07
	(b)	±	(y, e), Friend(k, x), Friend(f, y), ), Friend(Y, Z)	07
		3. CanReach(x, e)?	<ul><li>4. Friend(x, k)?</li><li>6. CommonFriend(a, x, y)?</li></ul>	

## OR

Q.4	(a) (b)	Explain the concept of Fragmentation and Replication in DDBMS. What do you mean by Active Transactions and Committed Transactions? Explain the process of UNDO and REDO in Immediate Update and Deferred Update.	07 07
Q.5	(a) What do you mean by distinguished copy in distributed concurred control? Explain the primary site technique and primary copy technique		07
	<b>(b)</b>	spatial analysis.	07
Q.5	(a)	OR  1. What is Service Names? What is the problem with client configurations using tnsnames.ora file? What are the solutions for it?	03
	<b>(b)</b>	2. Write a short note on Database Links What is the purpose of SQL*Loader? Discuss the processof bulk inserts with SQL*Loader in Direct Path mode.  ***********************************	04 07