Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER-I • EXAMINATION - WINTER 2013

Subj	ect (Code: 610005 Date: 21-12-2013	
•	e: 02	Name: Database Management System - 1 2:30 pm TO 05:00 pm Total Marks: 70	
	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)		07 07
Q.2	(a)	What is E-R Model? Explain different components of E-R Model with suitable example.	07
	(b)	Explain in brief various functions performed by DBA. OR	07
	(b)		07
Q.3	(a) (b)	What is Mapping Cardinalities? Explain possible mapping cardinalities for a binary relationship with example.	07 07
Q.3	(a)	OR Explain different types of attributes with suitable example. Also give symbols used for them in E-R Diagram.	07
	(b)	•	07
Q.4	(a) (b)		07 07
Q.4	(a) (b)	Explain constraints on Generalizations.	07 07
Q.5	(a)	What is Data Dictionary? List different types of information stored in Data Dictionary?	07
	(b)		07
Q.5	(a)		07
	(b)	•	07