Envo	lment No.	
H.nra	IMENT NO.	

GUJARAT TECHNOLOGICAL UNIVERSITY

MBA Semester -III Examination Dec. - 2011

Subject code: 2830401 Date: 13			/12/2011	
Subj	ect N	Name: Database Management		
Time: 10.30 am – 01.30 pm Total Ma			ks: 70	
Instru	ıctior	18:		
	1.	Attempt all questions.		
	2.	Make suitable assumptions wherever necessary.		
	3.	Figures to the right indicate full marks.		
Q.1	(a)	What is the difference between Data and Information? Explain different types of database and what key parameters affect their implementation?	07	
	(b)	•	07	
Q.2	(a)	Explain Database Management system and also discuss advantages of database approach.	07	
	(b)	Define thin client and discuss advantages of three – tier database architecture in detail.	07	
		OR		
	(b)	Write difference between file processing system and database management system. Discuss several disadvantages associated with conventional file processing system	07	
Q.3	(a)	Describe Relational Database Management system and discuss the different components of database environment.	07	
	(b)	Explain three schema architecture for database development in detail. OR	07	
Q.3	(a)	State the reason for entity clustering. Specify constraints in Supertype/ Subtype relationships.	07	
	(b)	Give a roadmap of the steps involved in the transformation of an E-R diagram into a relation.	07	
Q.4	(a)	Write a short note on Structured Query Language and discuss advantages of standardized relational language.	07	
	(b)		07	
Q.4	(a)	Write a short note on Attributes.	07	
•	(b)	What is degree of relationships? Explain Unary, Binary and Ternary relationships in detail.	07	
Q.5	(a)	What is middleware? Describe six categories of middleware.	07	
V .0	(a) (b)	Write a short note on Entity.	07	
	(~)	OR	· ·	
Q.5	(a)	Explain cardinality constraints. List different types of cardinality	07	
-	()	constraints, and draw an example of each.		
	(b)	What is EER? Discuss Supertype / Subtype relationships in detail.	07	