Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER-IV • EXAMINATION – SUMMER - 2017

Subject Name: Data Warehousing & Data Mining			Date: 08-06-2017 Total Marks: 70	
		0:30 am - 01:00 pm Total Marks:		
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a)	What is Data Warehousing? Discuss The Difference between OLAP and OLTP	07	
	(b)	Explain the Concept of hierarchy with Diagram	07	
Q.2	(a)	Explain the following Term in Brief 1. Integrated 2. Data Mart 3. Data Transformation 4. Correlations 5. Class Comparison 6. FP 7. IF-THEN Rules	07	
	(b)	What is Pre-Processing? Why Data is Dirty Discuss How Handle Dirty Data With help of Pre-Processing	07	
	(b)	OR Discuss Followings Short note 1. Three-Tier Data Warehouse architecture 2. Data Reduction	07	
Q.3	(a) (b)	Discuss Decision Tree Induction Algorithm What is box-plot Data Analysis Explain With Example with Diagram	07 07	
		OR		
Q.3	(a) (b)	Explain in Details A.O.I Discuss in Brief Mean, Median, Inter Quartile Range	07 07	
Q.4	(a)	Discuss Apriori Algorithm with Proper Example	07	
	(b)	Discuss linear Regression and Non Linear Regression	07	
Q.4	(a)	OR What is Classification and Prediction? also Discuss Basics of Surprised and Unsurprised Learning	07	
	(b)	Explain Major Issues in Data Mining	07	
Q.5	(a)	What is Cluster Analysis? Why Cluster Analysis Important for Data also	07	
	(b)	Discuss Types of Cluster Analysis Discuss Application of Financial Data Analysis	07	

Q.5	(a)	Explain and give the Important of Outlier analysis of Cluster with different Outlier Techniques	07
	(b)	Discuss Application of Biological Data Analysis	07
