Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA – SEMESTER-IV • EXAMINATION – WINTER 2015

	•	Code: 2640005 Date:09/12/201	15
Tiı	-	Name: Data Warehousing & Data Mining 0.30 a.m. To 01.00 p.m. Total Marks:	70
	1. 2. 3.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	[1.] Define Data Warehousing. And explain the key Features of Data Warehousing. [2.] Explain terms (1.) ROLAP (2.) MOLAP	05
	(b)	Compare between OLTP & OLAP.	07
Q.2	(a) (b)	Write short note on Metadata Repository Discuss issues to consider during data integration. OR	07 07
	(b)	Explain How Interval Merging by x ² Analysis help in data Processing.	07
Q.3	(a) (b)	List and describe the primitives for specifying a data mining task. Write short note on From Association Analysis to Correlation Analysis. OR	07 07
Q.3	(a) (b)	Write short note on Attribute-Oriented Induction. Is there any relation between data warehouse and database? Justify your answer in details. And explain how they are similar?	07 07
Q.4	(a)	What is Bayes' theorem? Briefly discusses the major ideas of Naïve Bayesian classification.	07
	(b)	What is boosting? How it may improve the accuracy of decision tree induction. OR	07
Q.4	(a) (b)	How Predictor Error Measures work in data mining explains with example? What is bagging? How it may improve the accuracy of decision tree induction.	07 07
Q.5	(a)	List all categorization of major clustering methods and explain any three in detail.	07
	(b)	Write short note on the k-Means Method with example. OR	07
Q.5	(a) (b)	Why Data Mining Required for Biological Data Analysis? How to Choose a Data Mining System?	07 07
