Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION – SUMMER • 2014

Subj	ect C	Code: 171601 Date: 22-05-0214	
Time	e: 02:	Name: Data Warehousing and Data Mining 230 pm - 05:00 pm Total Marks: 70	
Instru	1. 2. 1	:: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	What is Data Mining? List Challenges to data mining regarding data mining methodology and user- interaction issues.  Write short note on Spatial, Legacy and Multimedia Database.	07 07
Q.2	(a) (b)	· · · · · · · · · · · · · · · · · · ·	07 07
	<b>(b)</b>		07
Q.3	(a) (b)		07 07
Q.3	(a) (b)		07 07
Q.4	(a) (b)	State how the partitioning method may improve the efficiency of association mining.	07 07
Q.4	(a)	OR Discuss why analytical data characterization is needed and how it can be performed.	07
	<b>(b)</b>	Briefly outline the major steps of decision tree classification.	07
Q.5	(a)	What is Cluster Analysis? List and explain requirements of clustering in data mining.	07
	<b>(b)</b>	Explain different types of web mining with suitable example.  OR	07
Q.5	(a) (b)	Write the steps of the k-medoids clustering algorithm with limitation. Explain the information retrieval methods used in text mining.	07 07

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