Sea	t No.:	Enrolment No.	rolment No	
GUJARAT TECHNOLOGICAL UNIVERSITY ME – SEMESTER II (NEW) – • EXAMINATION – SUMMER 20 Subject Code: 2720209 Date: 2				
Subject Name: Data Mining and Data Warehousing Time:10:30 am to 01:00 pm Instructions: 1. Attempt all questions. Total M				
	2.	Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	What is data mining? Explain KDD process in detail Explain generalization using attribute oriented induction with a complete example. Show necessary steps.	07 07	
Q.2	(a)	Give the difference between A. Discrimination and Classification. B. Characterization and Clustering. C. Classification and Prediction.	07	
	(b)	Discuss various OLAP operations in the multidimensional data model with example. OR	07	
	(b)	What kind of process a data mining application can perform? List and explain the functions of a data mining application in brief.	07	
Q.3	(a) (b)	Explain three tier Data Warehousing Architecture. What is the importance of data transformation? Explain different methods of data transformation techniques.	07 07	
Q.3	(a)	OR What are the different types of multidimensional schemas? Explain any one	07	
Q.C	(b)	schema in detail with proper diagram Explain data mining issues related to performance and diversity of data types.	07	
Q.4	(a)	Explain following classification method:i. K-nearest neighbor classifiers.ii. Case-based reasoning	07	
	(b)	What is an attribute selection measure? Explain different attribute selection measure with example. OR	07	
Q.4	(a)	Why naïve Bayesian classification is called "naïve"? Briefly outline the major Idea of naïve Bayesian classification.	07	

OR

(b) Explain prepruning and postpruining in Decision tree Induction. Why it is

How does classification and prediction help in mining multimedia data?

What is density-based method in clustering? Explain in details about

(a) What do you mean by text mining? Explain various issues involved in it.

(b) Explain Apriori growth to generate frequent item set using specific example.

Require?

DBSCAN.

Q.5

Q.5

(a)

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