Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (OLD) - EXAMINATION – SUMMER 2017
Subject Code: 183103
Deta: 04/05/2017

Su' Tii	bject me:10 tructio	Attempt all questions. Make suitable assumptions wherever necessary.	(II)
Q.1	(a) (b)	Describe the life cycle of data in detail. Explain three-tier Data Warehousing architecture.	07 07
Q.2	(a) (b)	Write down Applications of Business Intelligence. Discuss Following: I. Business Intelligence II. Meta Data III. Data Mart	07 07
	(b)	OR On what kind of data, data mining can be applicable? Explain in brief.	07
Q.3	(a) (b)	Explain various normalization techniques with example. Describe major issues in data mining. OR	07 07
Q.3	(a) (b)	Explain KDD process with diagram. Explain the following terms. (I) mean (II) median (III) mode (IV)Data's modality (V)midrange (VI) Five numbers summary (VII) Entropy	07 07
Q.4	(a)(b)	What are the limitations of Apriori algorithm and how can we increase the efficiency of Apriori Algorithm? List and describe the five primitives for specifying a data mining task. OR	07 07
Q.4	(a) (b)	Explain Algorithm to find Frequent itemset without generating candidate set. Discuss the following terms: I. Support II. Confidence III. Association Rules	07 07
Q.5	(a)	Explain how Classification is different from Prediction? Discuss various issues in classification and prediction and write criteria to compare classification and prediction methods.	07
	(b)	Explain linear regression and non linear regression using example. OR	07
Q.5	(a) (b)	Explain Bayesian classification and Rule based Classification. Brief outline the major steps of decision tree classification.	07 07
