Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII (NEW) EXAMINATION - SUMMER 2022

Subject Code:2170715 Date:08/06/2022

Subject Name:Data Mining and Business Intelligence

Time:02:30 PM TO 05:00 PM Total Marks: 70

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- 4. Simple and non-programmable scientific calculators are allowed.

			MARKS
Q.1	(a)	List and discuss data mining issues.	03
	(b)	_	04
	(c)		07
Q.2	(a)	•	03
	(b)		04
	(c)		07
		OR	
	(c)	Briefly discuss normalization techniques using suitable example.	07
Q.3	(a)	Define: support and confidence.	03
	(b)		04
	(c)		07
		set using suitable example.	
O 2	(a)	OR	03
Q.3	(a)	•	03 04
	(b) (c)	List the limitations of the Apriori approach for mining. Briefly	0 4 07
	(C)	describe the techniques to improve the efficiency of Apriori algorithm.	07
Q.4	(a)	List and discuss the issues of classification.	03
	(b)	Briefly explain Linear and Non-linear regression.	04
	(c)	Explain working of k-Means clustering algorithm.	07
		OR	
Q.4	(a)	Discuss: training and test dataset	03
	(b)		04
	(c)	Write a note on hierarchical clustering with suitable example.	07
Q.5	(a)	Write a note on web mining.	03
	(b)	Write the differences between OLAP and OLTP.	04
	(c)	Explain Hadoop Architecture.	07
		OR	
Q.5	(a)	· · · · · · · · · · · · · · · · · · ·	03
	(b)		04
	(c)	Discuss the main features of Hadoon Distributed File System	07
