Seat No.:				Enrolment No			
		GUJARAT TECH	NOLOGI	CAL UNI	VERSITY		
		ME – SEMESTER I (NEV					
Subject Code: 2712309					Date:19/05/2016		
	U	Name: Data Mining					
Time:02:30 pm to 05:00 pm					Total Marks: 70		
	ruction						
		Attempt all questions. Make suitable assumptions wh Figures to the right indicate fu		ary.			
Q.1	(a) (b)	Explain basic elements of data warehousing. Explain KDD process in detail.				07 07	
Q.2	(a)	Identify frequent itemsets from following transactions using apriory algorithm. 0'				07	
		Tra	ansaction ID	Items			
			T1	1,2,3,4,5,			
				6			
			T2	7,2,3,4,5,			
			_	6			
			T3	1,8,4,5			
			T4	1,9,0,4,6			
			T5	0,2,2,4,5			
	(b)	Discuss any to techniques to improve apriory algorithm. OR					
	(b)					07	
Q.3	(a)	Explain the techniques to handle noisy data. What are the different operations of data warehouse? Explain with example. OR				07	
	(b)					07	
Q.3	(a)					07	
	(b)					07	
Q.4	(a)	Write a short note on decision tree based classification.				07	
	(b)					07	
	(~)		OR			٠.	
Q.4	(a)	Write a short note on Bayesian classification.					

What is neural network? How to train the neural network?

Explain how data mining can be applied to fraud detection?

Explain web mining in detail.

Explain text mining.

Write a short note on click stream mining.

(b)

(a)

(b)

(a)

(b)

Q.5

Q.5

07

07

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