Subject Code: 183103

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII • EXAMINATION - WINTER • 2014

Date: 25-11-2014

Sub	ject	Name: Business Intelligence & Data Mining 2:30 pm - 05:00 pm Total Marks:	
		tions:	, , ,
	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)		07 07
Q.2	(a) (b)	•	07 07
		OR	
	(b)	Compare FP-Growth approach with Apriori and explain with suitable example.	07
Q.3	(a) (b)	<u> </u>	07 07
		OR	
	(a)	(1) Bayesian Classification (2) Genetic Algorithms	07
	(b)	List and describe five primitives for specifying a data mining task.	07
Q.4	(a)	Briefly compare snowflake schema, fact constellation and starnet query model.	07
	(b)	Write Short note on ARCS.	07
		OR	
	(a) (b)	Explain Attribute Oriented Induction approach for generalizing data. Explain Decision Tree induction approach.	07 07
Q.5	(a)	Explain following classification methods: 1. K-nearest neighbour classifiers 2. Case-based reasoning	07
	(b)	Explain classification by back-propagation method of Neural Network.	07
		OR	
	(a) (b)	Write down applications of Data Mining in various domains. Explain Association Rule Mining with types of Association Rules.	07 07