Code No.: 6413/N

FACULTY OF INFORMATICS

B.E. IV/IV (IT) I SEMESTER (New) (Main) Examination, Nov./Dec., 2009 DATA WAREHOUSING & DATA MINING (ELECTIVE – II)

Tim	May Marks Tr		
Note:		[Max. Marks : 7 Answer all questions from Part – A. Answer any five questions from Part – B.	
1.	Def	PART – A ine data mining and data warehouse.	(Marks: 25) 2 M
2.	Defi (a)	ine the following OLAP operations : Rollup (b) Drilldown	LIBRAN 2 M
3.	Stat	e the Bayes Theorem.	2 M
4.	Defi (a)	ne the following types of Data in Cluster Analysis: Categorical variable (b) Ordinal variable	2 M
5.	Defi	ne spatial mining and text mining.	2 M
6.	Defii (a)	ne the following terms : Binning (b) Histogram Analysis	3 M
7.	State (a) (b)	e the following terms : Inter Quartile Range Five-number Summary	3 M
8.	(a) (b)	ne following terms : Time Series Data Web Mining Multimedia Data Mining	3 M
9.	(22,	n two objects represented by the tuples 1, 42, 10) & (20, 0, 36, 8) pute the Euclidean distance between the two objects.	3 M
10.	Defin	e any three Data Mining functionalities.	3 M
		PART – B Explain data mining as a step in the process of knowled with diagram. Explain major issues in Data Mining.	(Marks: 50) ge discovery 5 M 5 M
	,	Write the differences between operational database warehousing. Explain normalization techniques in Data Transformation.	C 1.1
(This po		ontains 2 pages) 1	P.T.O.

		Code No.: 6	413/N
13.	(a) (b)	How does the Naïve Bayesian classification work? Explain. Explain classifier accuracy.	5 M 5 M
14.	(a) (b)	Explain about statistical-based outlier detection and deviation-base outlier detection. Given two objects represented by the tuples $(23, 4, 56, 6)$ and $(30, 0, 26, 10)$ Compute the Minkowski distance between the two object using $P=3$.	6 M 4 M
15.	(a) (b)	Explain how to construct spatial Data Cube and spatial OLAP. Explain Spatial Associations and co-location patterns.	5 M 5 M
16.	Expl	lain how to mine the frequent items using Apriori Algorithm wimple.	th 10 M
17.	(a) (b)	Write Algorithms for K-means and K-medoids. Discuss about density based methods.	5 M 5 M