Code No.: 3232

FACULTY OF ENGINEERING

B.E. IV/IV Year (CSE) II Semester (Main) Examination, May/June, 2011

DATA MINING

Time: 3 Hours]

Max. Marks: 75

Answer all questions from Part A. Answer any five questions from Part B.

Part A - (Marks : 25)

1.	Explain the need for preprocessing the data.	2
2.	Differentiate between ROLAP and OLAP.	3
3.	What is meant by DMQL?	2
4.	Define attribute generalization.	3
5.	What is meant by correlation analysis?	2
6.	Define (a) Itemset, (b) Frequent Itemset (c) Candidate Set.	3
7.	Differentiate between classification and prediction.	2
8.	How is classifier accuracy measured?	3
9.	Define clustering with an example.	3
10.	What is meant by Multimedia mining?	2
Part B – (Marks : 50)		
11.	(a) Discuss about 3-tier architecture of data warehouse.	5
	(b) Explain about Data Mining Functionalities.	5
12.	Explain the need to perform Attribute Relevance Analysis. Discuss briefly the various methods of Attribute Relevance Analysis.	10
13.	Explain Apriori algorithm with a suitable example.	10
14.	Explain the classification process by Decision Tree with an example.	10
15.	(a) Given two objects (22,1,42,10) and (20,0,36,8). Computer Euclidean distartant and Minkowski distance (with p=3) between 2 objects.	nce 10
	(b) Explain the K - Means clustering algorithm with an example.	10

16. Write short notes on:

10

- (a) Data Reduction technique.
- (b) Multilevel association Rules Mining.

17. Write short notes on any **two**:

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- (a) Mining text databases
- (b) Data Cleaning
- (c) DMQL Syntax for DM primitive "Kind of Knowledge to be mined".