Time: 3 Hours

Maximum Marks: 75

END TERM EXAMINATION

Paper Code: BCA-302 Subject: Data Warehouse and Data Mining

		murks. 10
Not	e: Attempt any five questions including Q.no.1 which is Select one question from each unit.	compulsory.
Q1	Answer the following questions in brief (Any Ten):	(2.5x10=25)
	(a) Explain the steps involved in data mining when viewed as a process	ess of knowledge
	discovery.(b) What is Data Ware housing and why is it important for decision sup(c) Write the names of the data bases and information repositories mining can be performed.	port?
	(d) What do you mean by association rule mining?	
	(e) Explain back propagation.	
	(f) How to evaluate the accuracy of a classifier?(g) What can we do to secure the privacy of individuals while collected data?	ting and mining
	(h) Define support and confidence.	
	(i) Define Lazy Learners	
	(i) Explain Star schema and compare it with snow-flakes schema	
	(k) Differentiate between supervised and unsupervised learning	
	UNIT-I	
00	(a) Explain in detail the three data models used in Data Warehouse.	(6)
Q2	(b) Discuss Data integration and Data transformation in detail.	(6.5)
Q3	(a) What is the difference between three main types of Data W	archouse usage:
	information processing, analytical processing and data miningr	(6) (6.5)
	(b) Discuss the issues and benefits of data mining.	(0.0)
	UNIT-II	
	(a) Explain the 2-tier and 3-tier data warehouse architectures in de	tail with suitable
Q4	(a) Explain the 2-tier and 3-tier data waterious assured	
	examples. (b) What is the difference between OLAP and OLTP?	(6.5)
	(b) What is the difference and	
Q5	(a) Explain single-dimensional and multi-dimensional association	(6)
40	Edence support framework using a suitable example.	(6.5)
	(b) Explain Apriori algorithm of association rule mining.	
	UNIT-III	
00	(a) What is the difference between classification and clustering? E	explain the major
Q6	to the Device of Classification.	(6.5)
	(b) Explain the co-relation analysis with suitable example.	(0.0)
	the steps of	back propagation
Q7	(a) What is classification by back propagation? Discuss the steps of	(6)
	algorithm. (b) What are requirements of clustering? List major clustering method	s with example. (6.
	(b) What are requirements of classering	
	UNIT-IV	(5x2.5=12.5)
Q8	Discuss the applications of data mining in the following:	(0.12.0
	(a) Retail industry	
	(b) Telecommunication Industry	
	(c) Biological Data Analysis	
	(d) Social Network analysis	
	(e) Information package	16
00	(a) Write the steps to mine spatial and multimedia databases.	atabases. (6.5
Q9	(a) Write the steps to mine spatial and multimetha databases (b) Explain difference between Temporal Databases and Sequential databases	atabases. 10.5

	WEERRANDER	