END TERM EXAMINATION

SIXTH SEMESTER [BCA] MAY 2019

Paper Code: BCA-302

Subject: Data Weekhaves and Data Mining

Paper Code: BCA-302 Time: 3 Hours		Subject: Data Warehouse and Data Mining Maximum Marks: 75	
Q1	Answer the following questi	ons in brief (Any Ten):	(2.5x10=25)
	 (a) Explain the steps invol discovery. 	ved in data mining when viewed as a p	rocess of knowledge
	(b) What is Data Ware hous	sing and why is it important for decision te data bases and information reposito	support? ries on which data
	(d) What do you mean by a(e) Explain back propagation	ssociation rule mining? on.	
	(f) How to evaluate the acc (g) What can we do to see	curacy of a classifier? cure the privacy of individuals while co	llecting and mining
	data? (h) Define support and con (i) Define Lazy Learners	fidence.	
	(j) Explain Star schema ar	nd compare it with snow-flakes schema apervised and unsupervised learning	
		UNIT-I	
Q2		ree data models used in Data Warehouse. In and Data transformation in detail.	(6) (6.5)
Q3	information processing,	e between three main types of Data analytical processing and data mining?	(6)
	(b) Discuss the issues and	benefits of data mining.	(6.5)
		UNIT-II	
Q4	examples.	3-tier data warehouse architectures in	(6)
	(b) What is the difference b	etween OLAP and OLTP?	(6.5)
Q5	confidence-support fran	ional and multi-dimensional associat nework using a suitable example.	(0)
	(b) Explain Apriori algorith	m of association rule mining.	(6.5)
		UNIT-III	
Q6	(a) What is the difference	between classification and clustering?	Explain the major (6)
	ideas of naïve Bayesian	classification. analysis with suitable example.	(6.5)
Q7	(a) What is classification b	y back propagation? Discuss the steps	of back propagation [6]
	algorithm. (b) What are requirements	of clustering? List major clustering meth-	ods with example. (6.5
		UNIT-IV	
Q8	Discuss the applications of	data mining in the following:	(5x2.5=12.5)
	(a) Retail industry		
	(b) Telecommunication Ind(c) Biological Data Analysis	s	
	(d) Social Network analysis		
	(e) Information package		
Q 9	(a) Write the steps to mine (b) Explain difference betw	spatial and multimedia databases. een Temporal Databases and Sequential	(6) databases. (6.5)
	(0)		
