B.E.(Computer Science & Engineering) Semester Seventh (C.B.S.)

Data Warehousing & Mining

P. Pages: 2 Time: Three Hours			 	KNT/KW/16/7487 Max. Marks : 80	
	Note	es: 1. 2. 3. 4. 5. 6. 7.	All questions carry marks as indicated. Solve Question 1 OR Questions No. 2. Solve Question 3 OR Questions No. 4. Solve Question 5 OR Questions No. 6. Solve Question 7 OR Questions No. 8. Solve Question 9 OR Questions No. 10. Solve Question 11 OR Questions No. 12.		
1.	a)		fferent criterion on which data mining systems can be categorize of them.	ed and write a note 8	
	b)	Explair	of them. OR The major issues in Data Mining. OR	6	
2.	a)	Explair	n major Tasks in Data preprocessing.	8	
	b)	Write s	hort note on Discretization & concept Hierarchy Generation.	6	
3.	a)	Explair	three tier Data warehousing architecture with diagram.	7	
	b)	Explair	all OLAP operations in the multidimensional Data model. OR	6	
4.	a)	What is	Data cube computation? What are the efficient methods for Datation.	a cube 7	
	b)	Differe	ntiate between.	6	
		i) Da	atamart & Data warehouse.		
		ii) O	LTP & OLAP.		
5.	a)	What is	s the process of generating association rules from frequent item see?	ets? Explain with 7	
	b)	Explair	various kinds of association rule mining.	6	
			OR		
6.	a)	Explair	Apriori algorithm for frequent Item sets.	7	
	b)	Explair	a constraint – Based association mining in short.	6	
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7.	a)	What is Back propagation? Explain classification by Back propagation with example.				
	b)	Explain support vector machine in short.	6			
		OR				
8.	a)	Why is Bayesian classification called naïve? Briefly outline the major ideas of naive Bayesian classification.				
	b)	What are the different issues regarding classification & prediction.				
9.	a)	What is clustering? Briefly describe the approach of clustering in partitioning method.				
	b)	What do you mean by Hierarchical clustering approach? Explain agglomerative and divise Hierarchical clustering.				
		OR				
10.	a)	Illustrate and explain Grid Based clustering.	7			
	b)	Give any one application to explain clustering as major data mining function.	6			
11.	a)	Explain constraint -Based sequential pattern mining for transactional databases.				
	b)	Explain sequence pattern mining for Biological data in short.				
		OR				
12.	a)	Write short note on.				
		i) Graph mining.	4			
		ii) Social Network Analysis.	4			
		iii) Mining Time-series Data.	5			
