Bachelor of Science (Information Technology) (I.T.) Semester—VI Examination DATA MINING

Paper—4

Time: Three Hours] [Maxim			um Marks : 50	
	N.B	3.:—(1) All questions are compulsory and carry equal marks. (2) Draw neat and labelled diagram wherever necessary.		
	EIT	THER		
1.	(a)	What is Data Mining? How is data mining different from KDD?	5	
	(b)	Explain Priori Algorithm.	5	
	OR			
	(c)	What are the issues and challenges in Data Mining?	5	
	(d)	What is association rule? What are the methods to discover association rules.	5	
	EIT	THER		
2.	(a)	Explain Decision tree construction algorithm.	5	
	(b)	Explain optimal classification algorithm.	5	
	OR			
	(c)	What is best split? Explain splitting indices.	5	
	(d)	Describe essential features in a decision tree. How is it useful to classify data?	5	
	EIT	THER		
3.	(a)	What is clustering? Explain its applications.	5	
	(b)	Explain evaluation of clustering algorithm.	5	
	OR			
	(c)	Explain grid base clustering method.	5	
	(d)	Give classification of clustering algorithm.	5	
	EIT	THER		
4.	(a)	Explain a method for mining:		
		(i) Distributed data		
		(ii) Spatial data.	5	
	(b)	Explain any one method used for multidimensional data mining.	5	
	OR			
	(c)	Explain a method use to mine transactional data.	5	
	(d)	What is partition discovery? Explain in detail with example.	5	
5.	Atte	empt ALL :		
	(a)	List applications areas of DM in banking.	21/2	
	(b)	What is a decision tree? List advantages and shortcomings of decision tree classification	1.	
			21/2	
	(c)	Explain outlier detection.	21/2	
	(d)	Explain a method used for mining Relational Data.	21/2	