NTK/KW/15/7574

	Biological Databases.	6					
` '	How are we able to achieve Social Network Ana and Multirelational Data Mining?	lysis 7	Sev	enth	Faculty of Engineering & Technology h Semester B.E. (C.S.E.) (C.B.S.) Examination		
	OR				DATA WAREHOUSING & MINING		
12. (a) V	Write short notes on: (any TWO):		Time	—Т	hree Hours] [M	Maximum Marks—80	
((i) Graph Mining				INSTRUCTIONS TO CAN	DIDATES	
((ii) Data Stream Mining			(1)	All questions carry marks as	indicated.	
((iii) Task and challenges in link mining.	8		(2)	Solve Question No. 1 OR Qu	uestion No. 2.	
(b) V	What do you mean by Time Series and Sequence Data? Explain with example.	ice		(3)	Solve Question No. 3 OR Qu	uestion No. 4.	
]		5		(4)	Solve Question No. 5 OR Qu	uestion No. 6.	
				(5)	Solve Question No. 7 OR Qu	uestion No. 8.	
				(6)	Solve Question No. 9 OR Qu	uestion No. 10.	
				(7)	Solve Question No. 11 OR (Question No. 12.	
				(8)	Due credit will be given to neat dimensions.	ness and adequate	
				(9)	Assume suitable data wherever	er necessary.	
			((10)	Use of non programmable cal	culator is permitted.	
			1.	(a)	Give classification of Data Mi	ning Systems. 5	
				(b)	Describe why concept hierarch	ies are useful in Data	
					Mining.	4	
				(c)	Give the application of Data M	Mining. 5	
					OR		
MVM—4765	58 4	3050	MVM-	-4 76	558 1	Contd.	

11. (a) Explain the method for mining sequence patterns in

2	(a)	What is the need of Data Preprocessing? Also ex	vnloin	7.	(a)	Write short notes on:	
2.	(a)	1 0	•	7.	(a)	write short notes on .	
		different steps involved in Data Preprocessing	g. 8			(i) SVM (Support Vector Machine)	
	(b)	Discuss the major issues in data mining.	6			(ii) Bayesian classification. 8	
3.	(a)	Explain three-tier architecture of data warehoudetail.	use in 7		(b)	How do you evaluate the accuracy of a classifier in classification ? Explain. 6	
	(b)			OR			
	(0)	multidimensional Data Model.	6	8.	(a)	Explain different issues regarding classification and prediction.	
	OR				(b)	•	
4.	(a)	Write the difference between OLTP and OLA	AP. 6		(b)	Differentiate classification by Back propagation and classification by Decision Tree Induction. 7	
	(b)	Discuss possible design approaches used in the diprocess of a data warehouse. Also write the ge	_	9.	(a)	Discuss typical requirements of clustering in data mining. 5	
		steps in data warehouse design process.	7		(b)	What is Clustering? Briefly describe the approach of clustering in partitioning method.	
	(a)	What do you mean by mining frequent pattern associations and correlations? Elaborate by givin example.			(c)	What is Outlier? Why outlier mining is important?	
	(b)	Write short note on Constraint-Based Associ	iation			OR	
		Mining.	7	10	(a)	Write and explain DBSCANLA Density Based	
OR						Clustering method based on connected regions with sufficiently high density.	
S	What are the different methods available for Efficient and				(1-)	, ,	
		able frequent item set mining? Explain any one m			(b)	Explain Grid-based clustering approach by considering STING (Statistical Information Grid). 6	
	aior	ng with example in detail.	13			STING (Statistical Information Grid). 6	
MV	M—47	7658 2	Contd.	MV	M—47	7658 3 Contd.	