Printed Pag	ge:-	Subject Code:- AMTCSE0114 Roll. No:
		AND TECHNOLOGY, GREATER NOIDA
		mous Institute)
		hnical University, Uttar Pradesh, Lucknow
		Tech
		Y EXAMINATION - AUGUST 2022 ousing & Data Mining
Time: 03	3:00 Hours	Max. Marks: 70
General In	structions:	
1. The que	estion paper comprises three sections, A, B, a	and C. You are expected to answer them as directed.
2. Section	A - Question No- 1 is 1 marker & Question	No- 2 carries 2 marks each.
3. Section	B - Question No-3 is based on external choi	ce carrying 4 marks each.
4. Section	C - Questions No. 4-8 are within unit choice	questions carrying 7 marks each.
5. No shee	et should be left blank. Any written material	after a blank sheet will not be evaluated/checked.
	SECTION	N A 15
1. Attempt	t all parts:-	
1	A star schema has relationship	p between a dimension & fact table? (CO1)
	(a) Many to many	
	(b) One to One	
	(c) One to Many	
	(d) All the above	
1	is the process of finding a mod	lel that describes and distinguishes data classes or 1
	concepts. (CO2)	
	(a) Data Characterization	
	(b) Data Classification	
	(c) Data Discrimination	
	(d) ORDBMS	
1	The basic idea of the Apriori algorithm is to	o generate item sets of a particular 1
	size & scans.(CO3)	
	(a) Candidate.	
	(b) Primary.	

	(c) Secondary.	
	(d) Superkey.	
1	clustering technique start with as many clusters as there are records, with each	1
	cluster having only one record? (CO4)	
	(a) Agglomerative.	
	(b) Divisive.	
	(c) Partition.	
	(d) Numeric.	
1	Dimensionality reduction reduces the data set size by removing? (CO5)	1
	(a) composite attributes	
	(b) derived attributes	
	(c) relevant attributes	
	(d) irrelevant attributes	
2. At	tempt all parts:-	
2	What is a Data Warehouse? (CO1)	2
2	What is the difference between operational data store and data warehouse? (CO2)	2
2	Compare Roll Up and Drill Down operation? (CO3)	2
2	Define normalization. How do you normalize data using min-max normalization? (CO4)	2
2	What do you mean by Market Basket analysis and how it can help in a supermarket? (CO5)	2
	SECTION B 20	
3. Ar	nswer any <u>five</u> of the following:-	
3	Differentiate between Meta Data and Data Dictionary? (CO1)	4
3	Enlist some commands of DDL, DML and DCL? (CO1)	4
3	Explain the data cleaning process in data pre-processing? (CO2)	4
3	Explain the steps of knowledge discovery in databases? (CO2)	4
3	Brief CURE and Chameleon clustering methods? (CO3)	4
3	How can the accuracy of classifier be improved for the class-imbalanced data? (CO4)	4
3	What is meant by text mining ? (CO5)	4
	SECTION C 35	
4. Ar	nswer any <u>one</u> of the following:-	
4	Describe the various components of Data warehouse with its architecture? (CO1)	7

4	Discuss about Data Extraction, Cleanup and Transformation Tools? (CO1)	7	
5. Answer	any one of the following:-		
5	Define data discretization. Explain the various approaches in data discretization? (CO2)	7	
5	Briefly explain the various Data Reduction techniques, which one is having minimum loss of information content? (CO2)	7	
6. Answer any <u>one</u> of the following:-			
6	What is decision tree classification, explain its functionality and also write the steps involve in it? (CO3)	7	
6	Explain classification by Back Propogation in detail ? (CO3)	7	
7. Answer any <u>one</u> of the following:-			
7	What are Grid-Based methods. Explain STING in detail? (CO4)	7	
7	What is the role of Outlier Analysis in data mining, Explain in detail with example? (CO4)	7	
8. Answer	any one of the following:-		
8	Explain, how MOLAP,ROLAP,HOLAP are related or different from each other? (CO5)	7	
8	Differentiate between bottom up tier and middle tier of data warehouse architecture? (CO5)	7	