Seat No.: 00049

AC-120

April-2024

BCA., Sem.-VI

CC-308: Introduction to Data Mining and Data Warehousing

T	ime : 2½ Hours [Max. Ma	rks : 70
1.	(A) What is KDD? Explain data mining as a step in knowledge discovery.	7
	(B) What are the challenges of data mining regarding data mining methodology user interaction issue.	and 7
	OR	7
I.	(A) What kind of data can be mined?	7
	(B) Explain the following data mining functionalities:	
	 classification and Regression for predictive analysis 	
	cluster analysis	
	OLAB and OLTP	7
2.	(A) What is data warehouse? Differentiate between OLAP and OLTP.	7
	(B) Explain the different approaches and steps involved in data warehouse.	
	OR	ΔP
2.	(A) With necessary diagrams and examples of data cube explain various OL	. 7
	operations	7
	(B) Explain about the three-tier data warehouse architecture with a neat diagram.	350
	(A) Explain the Apriori algorithm for finding frequent item sets with an example.	7
	a will a sea the techniques used for removing noise from data?	7
((B) What is noise? What are the techniques used for removing noise of the control	
	, <u>-</u> , -, -, -	7
3. 17 (4	A) What is data reduction? Also explain different data reduction strategies.	and
(E	B) "Data quality can be assessed in terms of accuracy, completeness a consistency." Give suitable arguments in support of this statement. Also proper	ose
	two other factors affecting data quality.	7
100	two other factors affecting data quanty.	
) Discuss: Data mining for intrusion detection and prevention.	7
. (A	Explain the concept of Decision Tree Induction.	7
(B)	AL MANAGER AND THE PROPERTY OF	
	OR	for
(A)		7
(D)	classification?	7
(B)	Discuss different clustering methods.	,
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11) Outlier analysis can uncover fraudulent usage of credit cards. [TRUE / FALSE]

12) Decision trees cannot be used for generating classification. [TRUE / FALSE]