

SET - 1

II B. Tech II Semester Supplementary Examinations, December - 2023 DATA WAREHOUSING AND MINING

(Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML& CSD)

Time: 3 hours			Max. Marks: 70	
		Answer any FIVE Questions each Question from each unit All Questions carry Equal Marks		
1	a)	Explain the steps in designing the data warehouse.	[7M]	
	b)	Enumerate the concept of multidimensional data model.	[7M]	
		Or		
2	a)	Explain the following in OLAP i) Roll up operation ii) Drill Down operation	[7M]	
	b)	iii) Slice operation iv) Dice operation Write in brief about schemas in multidimensional data model. UNIT-II	[7M]	
3	a)	What is KDD? Explain about data mining as a step in the process of knowledg discovery.	ge [7M]	
	b)	Illustrate on Feature Subset Selection.	[7M]	
		Or		
4	a)	Discuss about Variable Transformation with example.	[7M]	
	b)	Discuss Data reduction in detail.	[7M]	
_		UNIT-III		
5	a) b)	What do you mean Classification? Discuss in detail general approach to solve classification problem.Explain decision tree induction algorithm for classifying data tuples and discussion		
	0)	suitable Example.		
		Or		
6	a)	Explain the role of cross-validation in data mining process.	[7M]	
	b)	Elaborate the Bayes Theorem with a suitable example.	[7M]	
		UNIT-IV		
7	a)	Explain the Apriori Algorithm and also mention its drawbacks.	[9M]	
	b)	Discuss the various applications of association analysis.	[5M]	
		Or		
8	a)	Explain the FP Growth Algorithm.	[9M]	
	b)	Can we design a method that mines the complete set of frequent item sets with candidate generation? If yes, explain with an example. UNIT-V	iout [5M]	
9	a)	Discuss K-means clustering algorithm with step by step.	[7M]	
	b)	Illustrate density based and Grid based clustering.	[7M]	
		Or		
10	a)	Discuss various Data mining application.	[7M]	
	b)	Explain DB scan strength and weakness.	[7M]	
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