Code: 7P2B44

M.C.A. IV Semester Supplementary Examinations February 2021

Data Mining

Max. Marks: 60   Time: 3 Hours

Answer *all five* units by choosing one question from each unit (5 x 12 = 60 Marks)

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			Marks	CO	Blooms Level

UNIT–I

			Marks	CO	Blooms Level
1.	a)	Compare and contrast the differences between Knowledge Detection process and Data Mining Process	6M	1	5
	b)	Explain about different tasks performed by Data Mining.	6M	1	2

OR

			Marks	CO	Blooms Level
2.		Evaluate the different Data Preprocessing Approaches used for making the data for Analysis.	12M	1	5

UNIT–I

			Marks	CO	Blooms Level
3.		What is Decision Tree? Briefly explain about steps involved in construction of a Decision Tree.	12M	2	5

OR

			Marks	CO	Blooms Level
4.	a)	Is the Rules being Mutually Exclusive, Give an example	6M	2	4
	b)	Explain about Bayesian Classifiers.	6M	2	5

UNIT–I

5. Generate a mine set to extract the frequent sets without using candidate sets for the following Data

TID	Items
T1	A,B,C,D
T2	B,C,D
T3	A,C,D
T4	A,B,D
T5	B,C,D

TID	Items
T6	A,D
T7	B,C
T8	C,D
T9	D
T10	A,C,B,D

12M   3   6

OR

			Marks	CO	Blooms Level
6.		Explain the following Terms			
	a)	Support Count	4M		
	b)	Border Set	4M		
	c)	Candidate Generation	4M	3	5

UNIT–I

			Marks	CO	Blooms Level
7.	a)	Distinguish the different applications of Clustering.	6M	4	5
	b)	Discuss about advantages and limitations of Partition and Hierarchical Clustering Methods	6M	4	4

OR

			Marks	CO	Blooms Level
8.	a)	Explain about DBSCAN Approach.	6M	4	5
	b)	Briefly illustrate the functionality of K-Mean Clustering Method	6M	4	4

UNIT–I

			Marks	CO	Blooms Level
9.		Explain about different types of outlier's detection approaches	12M	5	5

OR

			Marks	CO	Blooms Level
10.	a)	Explain about Relative Density Outlier Sore Algorithm	6M	5	5
	b)	What are the applications of Outliers?	6M	5	5

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