SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech III Year I Semester Supplementary Examinations June-2024
DATA WAREHOUSING AND DATA MINING
(Common to CSE & CSIT)

Time: 3 Hours   **Max. Marks: 60**

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

1	a	What is Data mining? What are the major issues to be considered for data mining?	CO1	L1	6M
	b	Explain the different data mining functionalities in detail.	CO1	L2	6M

OR

2	a	Define data pre-processing. What relation exists between data cleansing and pre-processing?	CO1	L1	6M
	b	Give examples to illustrate how the data reduction is used.	CO1	L2	6M

UNIT-II

3	Explain the Three-tier data warehouse architecture with a neat diagram.	CO2	L5	12M

OR

4	a	Define Data warehouse. Discuss Design principles.	CO2	L1	6M
	b	Identify the differences between star schema, snowflake schema, and fast constellation schema.	CO2	L6	6M

UNIT-III

5	What are the Drawbacks of the Apriori Algorithm? Explain about FP Growth Concept in Detail?	CO3	L4	12M

OR

6	a	Discuss the Basic Concepts of Frequent Itemset mining.	CO3	L2	6M
	b	Explain support, confidence, and lift measures with respect to association rule mining.	CO3	L2	6M

UNIT-IV

7	Define Bayes theorem. Explain the Naïve Bayesian Classification with an example.	CO4	L1	12M

OR

8	Define Neural Network. Explain the Classification by Back Propagation.	CO4	L1	12M

UNIT-V

9	a	Define Clustering. List basic requirements of cluster analysis.	CO5	L1	6M
	b	Compare Agglomerative and Divisive hierarchical clustering.	CO5	L5	6M

OR

10	Evaluate the specifics of the k-Means and k-Medoids partitioning methods using an example.	CO5	L5	12M

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