Reg. No: ⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech III Year I Semester Regular Examinations December-2021
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	Define Data mining. Explain about data mining on what kind of data.	L1	6M
	b	Compare Data Warehousing and Data Mining.	L2	6M

OR

2	a	Discuss the Major issues in Data mining.	L2	6M
	b	Explain about Dimensionality reduction methods.	L2	6M

UNIT-II

3	a	How are concept hierarchies useful in OLAP? Explain.	L2	6M
	b	Examine the process of conversion from Data Warehouse to Data Mining.	L3	6M

OR

4		Explain about OLAP operation in multidimensional data.	L3	12M

UNIT-III

5	a	Explain about Constraint based Association mining.	L2	6M
	b	Discuss about the criteria for classifying the frequent item set.	L3	6M

OR

6	a	Discuss about Basic Concepts of Frequent Item set mining.	L2	6M
	b	What are the advantages of FP-Growth algorithm?	L1	6M

UNIT-IV

7	a	Discuss about Accuracy and Error measures.	L2	6M
	b	What is prediction? Explain about Linear regression method.	L3	6M

OR

8	a	What are the Issues regarding Classification and Prediction? Explain.	L3	6M
	b	Discuss about Rule based Classification method.	L2	6M

UNIT-V

9	a	Define Clustering. List basic requirements of cluster analysis.	L1	6M
	b	What is outlier analysis? Name the methods for detecting outliers.	L2	6M

OR

10	a	Explain k-Means and k-Medoids partitioning methods in detail.	L3	6M
	b	Discuss the key issues in hierarchical clustering algorithm.	L2	6M

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