

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

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

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

UNIT-I

1 Discuss about Data Mining Task primitives with examples. CO1 L2 12M

OR

2 a Classify different data pre-processing techniques used to improve the overall quality of the mined data. CO1 L2 6M

b Illustrate the concept hierarchy generation for categorical data. CO1 L3 6M

UNIT-II

3 Summarize the OLAP operations in multidimensional data. CO2 L3 12M

OR

4 a Describe the Role of Concept Hierarchies in dimension. CO2 L2 6M

b Elaborate about Attribute Oriented Induction with example. CO2 L3 6M

UNIT-III

5 Describe the steps involved in improving the efficiency of the Apriori algorithm. CO3 L2 12M

OR

6 State FP-growth algorithm for discovering frequent item sets without candidate generation with an example. CO3 L3 12M

UNIT-IV

7 a Develop the decision tree induction algorithm for classifying data tuples and with suitable example. CO4 L2 6M

b What is prediction? Explain about Linear regression method. CO4 L2 6M

OR

8 a Demonstrate the Naïve Bayesian classification. CO4 L2 6M

b Evaluate the accuracy of a classifier in data mining. CO4 L2 6M

UNIT-V

9 a List out the various types of data in Cluster analysis and explain. CO5 L2 6M

b What is outlier analysis? Explain about Density Based Local Outlier Detection. CO5 L2 6M

OR

10 a Illustrate K-medoids algorithm. CO5 L2 6M

b What is Density based clustering? Describe DBSCAN clustering algorithm. CO5 L2 6M

***** END *****

