R18

Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA II Year I Semester Regular Examinations Nov/Dec 2019
DATA WAREHOUSING AND DATA MINING

Time: 3 hours   Max. Marks: 60

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

UNIT-I

1 Distinguish between the data warehouse and databases. How they are similar? **12M**

OR

2 **a** Discuss briefly about the data smoothing techniques. **6M**
b Differentiate between operational database systems and data warehousing. **6M**

UNIT-II

3 Describe the three-tier data warehousing architecture. **12M**

OR

4 **a** State and explain algorithm for attribute-oriented induction **6M**
b Describe mining class comparisons and class description. **6M**

UNIT-III

5 **a** Define the terms frequent item sets, closed item sets and association rules. **6M**
b Describe the different techniques to improve the efficiency of Apriori? Explain. **6M**

OR

6 Explain about the classification and prediction. Example with an example. **12M**

UNIT-IV

7 Discuss the various types of data in cluster analysis. **12M**

OR

8 **a** Describe the characteristics of social networks. **6M**
b List the tasks and challenges of link mining. **6M**

UNIT-V

9 Summarize the descriptive mining of complex data objects. **12M**

OR

10 **a** Explain the examples of commercial data mining systems. **6M**
b Explain about mining the world wide web. **6M**

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