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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech IV Year I Semester Supplementary Examinations November-2020

DATA WAREHOUSING AND DATA MINING

(Computer Science & Engineering)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 **a** What is KDD? Explain about data mining as a step in the process of knowledge discovery. **6M**
- b** How to classify data mining systems? Discuss. **6M**

OR

- 2 Explain in detail about Data mining functionalities? **12M**

UNIT-II

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

OR

- 4 **a** What are steps in designing the data warehouse? Explain. **6M**
- b** Compare OLTP and OLAP. **6M**

UNIT-III

- 5 **a** Discuss about basic concepts of frequent item set mining. **6M**
- b** Describe the Apriori Algorithm. **6M**

OR

- 6 Can we design a method that mines the complete set of frequent item sets without candidate generation? If yes, explain with an example. **12M**

UNIT-IV

- 7 How does the Naïve Bayesian classification works? Explain in detail. **12M**

OR

- 8 **a** What is Bayes theorem? Explain. **6M**
- b** What is prediction? Explain about Linear regression method. **6M**

UNIT-V

- 9 **a** Differentiate AGNES and DIANA algorithms. **6M**
- b** Write the key issue in hierarchical clustering algorithm. **6M**

OR

- 10 Discuss in detail about Data mining Applications. **12M**

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