



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous & Accredited by NAAC with 'A' Grade)

B.Tech III Year II Semester Supplementary examination, January 2023

Data Warehousing and Data Mining

(Computer Science and Engineering)

Maximum Marks: 70

10-01-2023

Duration: 3 Hours

Note:

1. This question paper contains two parts A and B.
2. Part- A compulsory which carries 20 Marks. Answer all questions in Part A.
3. Part B consists of 5 Units. Answer any one full question from each unit.
4. Each question carries 10Marks and may have a, b, c, d as sub questions.

PART A

All the following questions carry equal marks

10x2M=20Marks

1. Write the differences between data warehousing and data mining.
2. Define concept hierarchy. Explain the types of concept hierarchies.
3. Define closed item set and maximal frequent item set
4. What is an association?
5. What are the applications of prediction model?
6. What is K- Nearest neighbor classification-Algorithm?
7. Make a comparison of complete and partial clusters?
8. What is outlier mining?
9. List the applications of data mining?
10. Write about Graph mining

PART B

Answer all the following questions

5x10M=50Marks

11. Draw and explain the three tier data warehouse architecture? 10
- OR
12. Explain different data pre- processing techniques. 10
13. With an example, explain the frequent item set generation in the Apriori algorithm. 10
- OR
14. Explain in detail the candidate generation procedures 10
15. Write an algorithm for decision tree induction? 10
- OR
16. Discuss various types of regression techniques. 10
17. Explain about the Outlier Analysis 10
- OR
18. What is cluster analysis? Explain with suitable Example 10
19. How data mining will help us to detect intrusion 10
- OR
20. Give various examples of commercial data mining systems. 10

