



Regulation R17
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A' Grade)

Subject code: 1P7FA

B.Tech IV Year I Semester Supplementary Examinations, July 2022
DATA WAREHOUSING AND DATA MINING
(INFORMATION TECHNOLOGY)

Maximum Marks: 70

Duration: 3 hours

Part-A

Answer all the following questions

(10x2M=20 Marks)

- 1 What is a data mart?
- 2 What is a fact table?
- 3 What is data mining?
- 4 Define OLTP.
- 5 What is frequent itemset?
- 6 Define Slice and Dice operation.
- 7 What is classification?
- 8 Define information gain.
- 9 What is an outlier?
- 10 List the demerits of k-means algorithm

Part-B

Answer Any 5 questions.

(5X10M=50Marks)

- 11 Explain data mining as a step process of knowledge discovery. Mention the Functionalities of Data mining.

OR
- 12 Differentiate Operational database systems and data warehousing. Explain the star schema and fact constellation schemas
- 13 a) Explain various data mining functionalities.
b) Discuss briefly about data cleaning techniques.

OR
- 14 Briefly explain Frequent Item Set generation using apriori algorithm?
- 15 Describe the data classification process with a neat diagram. How does the Naive Bayesian classification works? Explain

OR
- 16 What is prediction? Explain the various prediction techniques. Explain about Decision tree Induction classification technique.
- 17 Explain about the partitioning methods.

OR
- 18 Differentiate between AGNES and DIANA algorithms.
- 19 Explain about DBSCAN Algorithm?

OR
- 20 Explain Outlier analysis with example?