R18 Regulation *Subject code:2P5FC*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech V Semester Supplementary Examinations, December 2024

DATA WAREHOUSING AND DATA MINING

(IT)

Maximum Marks: 70 Date:31.12.2024 Duration: 3 hours

Note: 1.This question paper contains two parts A and B.
2. Part A is 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 which carries 10M.
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

	Part-A		
All the following questions carry equal marks (10X2M=20) Marks)		CO	Bloom Tx
1	What is a fact table?	1	L1
2	What is a data mart?	1	L1
3	Define OLTP.	2	L1
4	What is a data cube?	2	L1
5	What is Frequent Item Set.	3	L1
6	Define Roll-up and drill-down operations.	3	L1
7	Explain the differences between star and snowflake schema.	4	L1
8	What is decision tree?	4	L1
9	What is an outlier?	5	L1
10	Define cluster Analysis.	5	L1
	Part-B		
Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
11	Explain data mining as a step process of knowledge discovery. Mention the Functionalities of Data mining. [10M]	1	L2
	OR		
12	Differentiate Operational database systems and data warehousing. Explain the star schema and fact constellation schemas. [10M]	1	L2
13	A) Explain various data mining tasks. [5M] B) Discuss briefly about data cleaning techniques. [5M]	2	L2
	OR		
14	List out the differences between OLTP and OLAP. [10M]	2	L2
15	Explain about Basic Agglomerative Hierarchical Clustering Algorithm with an example? [10M]	3	L2
	OR		
16	What is prediction? Explain the various prediction techniques. Explain about Decision tree Induction classification technique. [10M]	3	L2

17	Explain the algorithm for constructing a decision tree from training samples. [10M]	4	L2
	OR		
18	Explain Outlier analysis with example. [10M]	4	L2
19	Explain Hierarchical method clustering of classification with example. [10M]	5	L2
	OR		
20	Explain Density-Based Clustering Methods of classification with example. [10M]	5	L2