



Examination : B.Tech. (IV Semester) R20 **Max. Marks** : 30
Branch : IT - A & B Section **Course Code** : 20CS10
Course Name : Datawarehousing & Datamining
Date of Exam. : 26/4/2022 **A.Y.:** 2021-2022

Scheme of Evaluation (Mid – I)

(Answer all questions. All questions carry equal marks) (3 x 10 = 30 M)

1.

- a. Datawarehouse Definition (Diagram) 3M
- Characteristics of Warehouse 2M
- b. 3-tier architecture diagram 3M
- Explanation 2M
- or
- c. Data Cube Diagram 1M
- Cuboid Diagram 1M
- explanation 1M
- Dimension Hierarchy diagram and explanation 2M
- d. Datawarehouse Schema definition 1M
- List of schema models 1M
- schema model diagram & explanation (1.5M each) 3M

2.

- a. List of Datamining tasks 1M
- explanation about any 4 Datamining tasks (1M each) 4M
- b. Attribute term definition 1M
- List of Attribute types 1M
- Properties about each attribute 3M
- or
- c. List of issues related to Data Quality 1M
- Handling missing values 2M
- Handling duplicate values 2M
- d. Formula for Euclidean distance 1M
- explanation with example 1.5M
- Formula for Jaccard Similarity 1M
- explanation with example 1.5M

3.

- a. Explanation about confusion matrix 2M
- Accuracy Formula & explanation 1.5M
- Error rate Formula & explanation 1.5M
- b. Challenges in Data Cube Computation 2.5M
- Strategies to materialize Data Cube 2.5M
- or
- c. Decision Tree Algorithm 5M
- d. Explanation about Data Preprocessing 2M
- Explanation about Data Preprocessing(1.5 M each) 3M

Course Instructor
Mr.Michael Sadgun Rao.K

Module Co-ordinator
Dr.K.Lavanya

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Dr.B.Srinivasa Rao



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Scheme of Evaluation (Mid – II)

(Answer all questions. All questions carry equal marks) (3 x 10 = 30 M)

1.

- a. Explanation about Naive Bayes Classification 2M
- Formula 1M
- Example 2M
- b. Compact representation explanation 3M
- diagram with example 2M
- or
- c. Model Overfitting Definition 1M
- diagram 1M
- Causes of Model Overfitting 3M
- d. Strengths & Weakness of K means 2.5M
- Strengths & Weakness of DBSCAN 2.5M

2.

- a. Finding Frequent Itemsets 7M
- Finding Association Rules 3M
- or
- b. Efficient extraction of Association rules from frequent itemset 5M
- c. Construction of FP-TREE 5M

3.

- a. Three cluster centers after first k-means iteration 2M
- Final 3 clusters 3M
- b. DBSCAN description 3M
- Differences between DBSCAN & Hierarchical Clustering 2M
- or
- c. List of types of clustering & explanation 2.5M
- List of types of clusters & explanation 2.5M
- d. Distance Matrices 3M
- Dendrogram 2M

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