School of Computing Science and Engineering
BCA with Industry Oriented Specialization in Data Analytics
Semester End Examination - Nov 2023

Duration : 180 Minutes
Max Marks : 100

Sem V - E1UE501B - Data Mining and Data Warehouse

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1) Define Types of Data — K1 (2)

2) Define primary goal of classification in machine learning? — K2 (4)

3) Describe the process of decision tree induction and how it aids in classification. — K2 (6)

4) Demonstrate the classification and clustering. — K3 (9)

5) Examine the Descriptive and Predictive in Data mining. — K3 (9)

6) Judge the appropriateness of using decision tree induction for datasets with high dimensionality. — K5 (10)

7) Analyze the pre processing system in data mining. — K4 (12)

8) Judge the appropriateness of hierarchical clustering for datasets with a mix of categorical and numerical attributes. — K5 (15)

9) Critically analyze the role of domain knowledge in preprocessing data before performing cluster analysis. — K5 (15)

10) Design a data integration strategy for merging data from multiple sources into a data warehouse. i) Create a plan for maintaining the quality and consistency of data in a data warehouse over time — K6 (18)