

School of Computing Science and Engineering

Bachelor of Technology in Computer Science and Engineering
Semester End Examination - Jun 2024

Duration : 180 Minutes
Max Marks : 100

Sem VI - R1UC617T - Data Mining and Web Algorithms

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

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| 1) | Identify the various multi dimensional models. | K1(2) |
| 2) | Summarize association rule mining. | K2(4) |
| 3) | Interpret the five primitives for specifying the data mining tasks? | K2(6) |
| 4) | Discuss about K-Means clustering algorithm | K3(9) |
| 5) | Illustrate the Hierarchical Clustering with example | K3(9) |
| 6) | Defend statistical approaches in outlier detection with neat design and with examples. | K5(10) |
| 7) | Diagrammatically illustrate and discuss the following preprocessing techniques: (i). Data cleaning, (ii). Data Integration (iii). Data transformation (iv) Data reduction. | K4(12) |
| 8) | Discuss the different types of neural network with diagram | K5(15) |
| 9) | Demonstrate in detail about data mining steps in the process of knowledge discovery? | K5(15) |
| 10) | Discuss any types of selection operation in genetic algorithm with example | K6(18) |