

III B. Tech I Semester Supplementary Examinations, May/June -2024
DATA WAREHOUSING AND DATA MINING
 (Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

Answer any **FIVE** Questions **ONE** Question from **Each unit**
 All Questions Carry Equal Marks

UNIT-I

1. a) Discuss about challenges in data mining. [7M]
 b) Explain the architecture for online analytical mining. [7M]
 (OR)
2. a) Explain 3-tier architecture of data warehousing. [7M]
 b) Differentiate Multi-Dimensional OLAP and Multi-Operational OLAP. [7M]

UNIT-II

3. a) Enumerate about Z-Score Normalization. [7M]
 b) Explain parametric and non-parametric methods of data reduction. [7M]
 (OR)
4. a) Explain various issues related to data cleaning. [4M]
 b) Clearly discuss about the data preprocessing techniques in detail. [10M]

UNIT-III

5. a) Explain density based clustering methods in detail. [7M]
 b) Explain about outlier analysis. [7M]
 (OR)
6. a) Write about issues regarding classification and prediction. [7M]
 b) Discuss about rule based classification. [7M]

UNIT-IV

7. a) Explain about Frequent Itemsets and Closed Itemsets. [7M]
 b) Briefly discuss about Association rules in data mining. [7M]
 (OR)
8. a) Explain about Frequent Itemset Mining Methods. [7M]
 b) Elaborate the different Pattern Evaluation Methods. [7M]

UNIT-V

9. a) Define clustering? Explain about types of data in cluster analysis. [7M]
 b) Explain about K-Means clustering. [7M]
 (OR)
10. a) Explain about various hierarchical clustering methods. [7M]
 b) How to measure clustering quality? Explain. [7M]