R-17

Code: 7P2B44

M.C.A. IV Semester Supplementary Examinations July 2021
Data Mining
Max. Marks: 60   Time: 3 Hours
Answer *all five* units by choosing one question from each unit (5 x 12 = 60 Marks)
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UNIT–I

1. a) What is Data Mining? Explain the Data mining Architecture and its Implementation?   6M

    b) Briefly explain about Data Preprocessing Techniques with an example?   6M

OR

2. Explain the KDD process with an example?   12M

UNIT–II

3. a) What is classification? Explain the decision tree Induction process?   6M

    b) Explain the Bayesian Classifier with an example?   6M

OR

4. Discuss Data Mining Primitives with an example?   12M

UNIT–III

5. Discus about Association rule mining with frequent Item set generation using Apriori algorithm?   12M

OR

6. Explain the FP-Growth tree with an example?   12M

UNIT–IV

7. a) Distinguish the different applications of Clustering.   6M

    b) Discuss about advantages and limitations of Partition and Hierarchical Clustering Methods   6M

OR

8. What are the different types of data used in cluster analysis? Explain in brief each one with an example?   12M

UNIT–V

9. Write a short notes on

    (i) Density based outlier detection   6M

    (ii) Proximity based outlier detection?   6M

OR

10. a) Discuss about different causes for Anomalies   6M

    b) Explain about model-based Anomaly Detection   6M

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