

Code No.: AI512PE

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III-B.TECH-I-Semester End Examinations (SUPPLY) - January- 2024
DATA MINING
(CSM)

[Time: 3 Hours]

[Max. Marks: 70]

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 20 marks. Answer all questions in Part A.
Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks.

PART-A

(20 Marks)

1. a) Define Data. [2M]
- b) Define Sampling. [2M]
- c) What are the Applications of Association rule mining? [2M]
- d) Define support and confidence. [2M]
- e) What is a decision tree? [2M]
- f) What is prediction in data mining? [2M]
- g) What is Clustering? [2M]
- h) What is Hierarchical Clustering? [2M]
- i) Define Web Mining. [2M]
- j) What is the usage of Text Mining? [2M]

PART-B

(50 Marks)

2. Explain the Functionalities of Data Mining. [10M]
- OR
3. Describe Major Issues in Data Mining. [10M]
4. Explain Association Rule Mining with suitable example. [10M]
- OR
5. Discuss the approaches for mining various kinds of association rules. [10M]
6. Explain Bayes theorem with a suitable example. [10M]
- OR
7. Describe the essential features of decision trees. [10M]
8. Explain different data used in clustering. [10M]
- OR
9. Discuss Hierarchical clustering approaches. [10M]
10. Explain Spatial and Multimedia Data Mining. [10M]
- OR
11. Explain the Application Area of Text Mining. [10M]
