

Code No.: AI512PE

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**CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS**

**III-B.TECH-I-Semester End Examinations (Regular) - 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 Mining. [2M]
- b) Explain the Data Preprocessing? [2M]
- c) What is Association rule? [2M]
- d) Define Frequent sets. [2M]
- e) Define Data Classification. [2M]
- f) Where are decision trees mainly used? [2M]
- g) What is Cluster Analysis? [2M]
- h) What is a DBSCAN? [2M]
- i) What is Text Mining? [2M]
- j) What is the usage of Web Mining? [2M]

PART-B

(50 Marks)

2. Explain different types of Data used in Data Mining. [10M]
OR
3. Explain the Data Reduction. [10M]
4. Discuss the importance of Association Rule Mining. [10M]
OR
5. Explain the Constrain based association Mining & Graph Pattern Mining. [10M]
6. Discuss the Rule-Based Classification in data mining. [10M]
OR
7. Explain Naive Baye's Classification with an example. [10M]
8. State the categories of clustering methods? [10M]
OR
9. Discuss Density-Based Methods in clustering. [10M]
10. Explain Mining Sequence Patterns in Transactional databases. [10M]
OR
11. Explain the Mining the World Wide Web and explain the types of data available in web mining. [10M]
