CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III–B.TECH–I–Semester End Examinations (Supply) - May- 2023
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) What is Data Preprocessing?   [2M]
   c) What is Association rule mining?   [2M]
   d) How to generate Frequent sets.   [2M]
   e) Define Data Classification.   [2M]
   f) Why decision trees mainly used for?   [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 the Functionalities of Data Mining.   [10M]

OR

3. Describe Major Issues in Data Mining.   [10M]

4. Explain the applications of Association Rule Mining.   [10M]

OR

5. Discuss the approaches for mining various kinds of association rules. [10M]

6. Explain Bayes theorem with an suitable example.   [10M]

OR

7. Describe the essential features of decision trees in context of classification. [10M]

8. Explain different data types used in clustering.   [10M]

OR

9. Discuss Hierarchical Methods in clustering.   [10M]

10. Explain Spatial and Multimedia Data Mining.   [10M]

OR

11. Explain the Applications of Text Mining.   [10M]

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