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B.M.S COLLEGE FOR WOMEN
BENGALURU – 560004

V SEMESTER END EXAMINATION – JAN/FEB - 2024

BCA – DATA MINING
(NEP Scheme 2021-22 Onwards)

Course Code: BCA5DSE01

Duration: 2 ½ Hours

QP Code: 5512

Max. Marks: 60

SECTION – A

Answer any TEN from the following.

(10X2=20)

1. What is Data Warehousing?
2. Expand CART. What is pruning technique?
3. Contrast Regression and Classification
4. What is Sequence discovery?
5. How to identify outliers?
6. Mention any two partitioning algorithm for clustering.
7. Define Data Mining.
8. What are ETL tools? Give an example.
9. Differentiate between Linear Regression and Logistic Regression
10. What is an Association Rule?
11. Write the importance of Time Series Analysis
12. What is data parallelism?

SECTION – B

Answer any SIX from the following.

(6X5=30)

13. List the differences between Database and DWH
14. Explain different Hierarchical algorithms of clustering.
15. Discuss the advantages and disadvantages of Decision Tree approach
16. Define the following with respect to Association Rules
i) Support ii) Confidence iii) Lift
17. Describe the different Data Mining Tasks.
18. Explain KNN classifier with an example.
19. Write a note on K-Means clustering.
20. How parallelism help in efficiency? Explain data and task parallelism

SECTION – C

Answer any ONE of the following.

(10X1=10)

21. Explain the process of Knowledge Discovery in detail.
22. Explain the Apriori algorithm with an example.

23. a) What are the appropriate problems for Decision Tree Learning?
b) Discuss the importance of Naïve Bayes' approach.

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