DECEMBER 2024 **P/ID 16307/PITE2**

Time :Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define data mining.
2. What is a relational database?
3. Define data preprocessing.
4. State the advantages of data transformation.
5. Write down the key concepts of association rule mining.
6. What is constraint-based method?
7. Define Gini Index.
8. Mention the types of free pruning in decision tree induction.
9. What is meant by datawarehouse?
10. List the types of outlier analysis.
11. What is clustering?
12. Describe the term web.

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions.

13. Write a short note on object oriented databases.

14. Specify the process stages knowledge discovery in databases.

15. Mention the difference between spatial and temporal databases.

16. How to preprocess the data? Explain.

17. Summarise the approaches of multilevel association rule mining.

18. Distinguish between any two classification methods.

19. What are the clustering methods?

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Clarify the data transformation techniques in preprocessing?

21. Explain in detail about multidimensional association rules?

22. Illustrate the methods regarding classification and prediction in detail.

23. What down the methods of hierarchical analysis in depth?

24. Write a short note on web mining.

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