MAY 2024 **P/ID 16307/PITE2**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is mean by rule constraints?

2. List out the steps involved in knowledge discovery in databases.

3. Explain about FP-growth.

4. State the use of spatial database?

5. List out statistical measures involved in data summarization.

6. State the characteristics of decision tree induction.

7. List out the applications of association rule mining?

8. What is mean by scalability in classification?

9. How principal component analysis is used in dimensionality reduction.

10. What is mean by clustering feature tree?

11. Neat sketch on chameleon clustering algorithm design.

12. Write short notes on index-based algorithm.

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions.

13. Explain in detail about role of null rule.

14. List out the components of multimedia database.

15. State the importance of data integration.

16. What are the types of data in cluster analysis?

17. Explain in detail about working procedure of Naive Bayesian classification.

18. Give all conditions on association mining.

19. Explain in detail about agglomerative and divisive hierarchical clustering.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. What are the importance of data cube aggregation and explain in detail.

21. Explain in detail about issues involved in data mining.

22. Explain about sampling in data reduction technique.

23. Elaborate some density based methods.

24. List out the measures of predictor accuracy.

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