DECEMBER 2022 **P/ID 16307/PITE2**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is the use of spatial database?

2. Write the steps for knowledge discovery in databases.

3. Define FP-growth.

4. Categorize the rule constraints.

5. State any two statistical measures for data summarization.

6. Mention the importance of principal component analysis in dimensionality reduction.

7. What are the applications of association rule mining?

8. What is mean by scalability towards classification?

9. Mention the characteristics of decision tree induction.

10. Define clustering feature tree.

11. Give short notes on index-based algorithm.

12. Draw neat sketch on chameleon – hierarchical clustering algorithm design.

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions.

13. Justify the components multimedia database.

14. Specify the role of null rule.

15. State the implication of data integration.

16. List out the constraints in association mining.

17. Discuss about the working nature of Naive Bayesian classification.

18. Elucidate the types of data in cluster analysis.

19. Give detail explanation of agglomerative and divisive hierarchical clustering.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Discuss the issues in data mining in detail.

21. Categorize the significance of data cube aggregation.

22. How sampling can be used as data reduction technique?

23. Elaborate the measures of predictor accuracy.

24. Explain in detail about some density based methods.

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