DECEMBER 2023 **P/ID 16307/PITE2**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Expand OLAP.

2. State the techniques in multimedia datamining.

3. How data can be stored in temporal database?

4. What is mean by binning?

5. What is the use of dimensionality reduction?

6. What s mean by data cleaning?

7. List the drawback of apriori algorithm.

8. State the importance of using sampling technique.

9. What are components for designing the topology of the neural network?

10. Define rough set theory.

11. State the clustering feature uses in cluster representation.

12. State the use of confusion matrix.

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions.

13. Explain about object oriented database.

14. Explain the cost function for k-mediods clustering in detail.

15. Elaborate the strategies of data transformation technique.

16. Illustrate spatial mining.

17. Differentiate classification methods and prediction methods in detail.

18. State the importance of temporal database.

19. What are all the properties of data reduction technique?

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Illustrate multidimensional association rules and how it is applied data mining technique.

21. Explain the properties of data discretization in detail.

22. Explain in detail about advantages over transactional databases.

23. Write detail notes on statistical distribution based outlier detection.

24. Write an algorithm for inducing a decision tree training tuples.

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