MAY 2022 **P/ID 16307/PITE2**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What type of data can be stored in temporal database?

2. List out the techniques which can be integrated with datamining methods for multimedia data mining.

3. Define OLAP.

4. What is mean by binning?

5. State one use of dimensionality reduction.

6. Mention the importance of sampling.

7. Write any one limitation of apriori algorithm.

8. Define the term data cleaning.

9. List the components needed for designing the topology of a neural network.

10. What is the use of rough set theory?

11. Identify the situation where confusion matrix is used.

12. How clustering feature is used in cluster representation.

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions.

13. State the uses of object oriented database.

14. Identify the uses af temporal database.

15. List out the strategies of data transformation technique.

16. State the important property of data reduction technique.

17. Compare and contrast classification methods and prediction methods.

18. Explain about four cases of the cost function for k-mediods clustering.

19. Describe about spatial mining.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Illustrate the advantages of transactional databases.

21. Analyse the properties of data discretization.

22. How multidimensional association rules are applied in data mining technique.

23. Write step by step procedure for inducing a decision tree training tuples.

24. Explain in detail about statistical distribution based outlier detection,

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