NOVEMBER 2025 **52512/325E5C/ 327E5F**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define “Transactional Databases”.

2. What is noisy data?

3. Write a note on data integration.

4. Relate the use of data mining query language.

5. State the purpose of data characterization.

6. What is mining association rules?

7. What do you mean by transaction databases?

8. Define “Bayes’ Theorem”.

9. Comment on linear regression.

10. Show the classifier accuracy measures.

11. What are the different types of data that can be used in cluster analysis?

12. What is the main idea behind partitioning methods in clustering?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Analyze the functionalities of data mining.

14. Enumerate the classification of data mining systems.

15. Devise the task primitives of data mining.

16. Integrate the mining multilevel association rules.

17. Elaborate the classification concepts from association rule mining.

18. Determine the density-based clustering method based on connected regions.

19. Elucidate the grid-based methods in STatistical INformation Grid (STING).

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Illustrate the attribute subset selection in data reduction.

21. Draw and explain the general architecture of data mining systems.

22. Discover the mining multidimensional association rules from data warehouses.

23. Evaluate the classification by decision tree induction.

24. Assess the different types of data in cluster analysis.

———————