Question Paper Code : 41170

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Seventh Semester

Computer Science and Engineering

080230056 — DATA WAREHOUSING AND DATA MINING

(Regulation 2008)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1.   What is meant by multidimensional data model?

2.   What are the steps in the data mining process?

3.   What is Data Generalization?

4.   Define data cleaning.

5.   What is Association rule?

6.   What is meant by Transactional databases?

7.   Define Decision Tree methods.

8.   What are the different types of data used for cluster analysis?

9.   Explain how data mining can be used for Intrusion Detection.

10. Define WEKA.

PART B — (5 × 16 = 80 marks)

11. (a) (i) Discuss in detail about Data Warehouse Architecture.

    (ii) Explain the basic relationships between data mining and data warehousing.

Or

    (b) Discuss in detail about multidimensional data model.

12. (a) (i) Describe the Data mining primitives in detail.

    (ii) Write notes on Data preprocessing.

Or

    (b) (i) Explain Data Discretization and Concept Hierarchy Generation.

    (ii) Discuss data class comparisons in detail.

13. (a) Explain the Multilevel association rule with example.

Or

    (b) Discuss about single dimensional Boolean association rules from transactional databases.

14. (a) (i) Explain the various types of data in cluster analysis.

    (ii) Explain in detail about outlier analysis.

Or

    (b) Write notes on :

    (i) Decision tree

    (ii) Bayesian classification.

15. (a) (i) Explain about multimedia databases in detail.

    (ii) Write a short notes on the role of data mining for image classification.

Or

    (b) (i) Discuss the recent trends in data mining in detail.

    (ii) Explain about the DB Miner.

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