C 41639

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EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION, APRIL 2013

CS 09 802—DATA MINING AND WAREHOUSING

(2009 Admissions)

Time : Three Hours   Maximum : 70 Marks

Part A

Answer **all** questions.

1. What is Data Mining ?

2. Distinguish between a database and a data warehouse.

3. What do you mean by data generalization ?

4. Discuss in detail about the significance of data prediction in data mining process.

5. What is the objective of Bayesian classification ?

(5 × 2 = 10 marks)

Part B

Answer any **four** questions.

6. Write short notes on kinds of data that can be mined.

7. What is hierarchy generation ?

8. Bring out the significance of transactional databases.

9. Describe about characteristic and discriminant rules.

10. Write ID3 Decision Tree Induction algorithm.

11. Discuss about the recent developments and trends in data mining and warehousing.

(4 × 5 = 20 marks)

Part C

Answer **all** questions.

12. (a) With a neat diagram, explain OLAP technology for Data Mining.

Or

(b) Explain in detail about various steps involved in Data Pre-processing with a neat sketch.

13. (a) Discuss in detail about data mining system architecture with a neat sketch.

Or

(b) Explain in detail about mining association rules in large databases.

Turn over

14. (a) With a neat example, explain decision tables and rough sets.

Or

(b) Explain in detail about categorization of major clustering methods.

15. (a) With a neat diagram, explain the architecture of a Data Warehouse.

Or

(b) Explain in detail about database tuning and testing.

(4 × 10 = 40 marks)