

Tribhuvan University
Institute of Science and Technology

2071

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Bachelor Level/ Fourth Year/ Seventh Semester/ Science
Computer Science and Information Technology (CSc. 451)
(Data Warehousing and Data Mining)

Full Marks: 60
Pass Marks: 24
Time: 3 hours.

Candidates are required to give their answers in their own words as far as practicable.

Group - A

Attempt any two Questions

(10 x 2 = 20)

1. What do you mean by representative object based clustering technique? Explain in detail with example.
2. Explain the various data mining task primitives in detail.
3. Explain the architecture of data mining system with schematic diagram.

Group - B

Attempt any eight Questions.

(8 x 5 = 40)

4. What are the basic stages of KDD?
5. Differentiate between DBMS and Data Warehouse.
6. Explain the distributed and virtual data warehouse.
7. Explain the data cube with example.
8. What are the data warehouse back end tools? Explain.
9. Explain the data mining tasks performed on a text database.
10. Define the spatial database and its features.
11. Differentiate between OLTP and OLAP.
12. Explain the Apriori Algorithm.
13. Write short notes (Any Two)
 - a) Stars
 - b) HOLAP
 - c) Data Specification
 - d) Mining and world wide web (WWW)

