Tribhuvan University

Institute of Science and Technology

2071 (II)

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Bachelor Level/ Fourth Year/ Seventh Semester/ Science   Full Marks: 60
Computer Science and Information Technology (CSc. 451)   Pass Marks: 24
(Data Warehousing and Data Mining)   Time: 3 hours.
Candidates are required to give their answers in their own words as for as practicable.

Group - A

Attempt any <u>two</u> Questions   **(10 x 2 = 20)**

1. What are the key steps in knowledge discovery in databases? Explain.

2. Explain the functionalities and classification of data mining system with example.

3. Explain about the architecture and implementation of data warehouse with example.

Group - B

Attempt any <u>eight</u> Questions.   **(8 x 5 = 40)**

4. What are the stages of knowledge discovery in database (KDD)?

5. List down the functionality of meta data.

6. Differentiate between OLAP and OLTP

7. Explain the multidimensional data model.

8. List down the data mining tools.

9. Write down the two measures of association rule.

10. What is the objective of K-means algorithm?

11. Explain the application of spatial databases.

12. Explain the methods of mining multimedia database.

13. Write short notes (Any Two)
    a) MOLAP
    b) Data cubes
    c) Snowflakes
    d) Regression