CSc.451-2069✿

Tribhuvan University
Institute of Science and Technology
2069

✿

Bachelor Level/ Fourth Year/Eight 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 on their own words as for practicable.
The figures in the margin indicate full marks.

Group A

Attempt any two questions.   (2x10=20)

1. Explain the architecture of data mining system with block diagram.

2. Define clustering. Explain with example of the partitioning and hierarchical methods.

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

Group B

Attempt any eight questions. (Question No. 13 is compulsory)   (8x5=40)

4. What do you mean by knowledge discovery in database (KDD)?

5. Explain the application of data warehouse and data mining.

6. Differentiate between OLTP and QLAP.

7. Explain the data mining techniques.

8. **Ex**plain the Aprion Algorithm.

9. Explain the K-Mediod algorithm

10. Mention the spatial database and its features

11. What is data cube? Explain with example.

12. Explain the data mining languages.

13. Write short notes (**any two**):

      a) OLAP queries   b) Snow Flakes

      c) K-mean   d) Mining text database