

END TERM EXAMINATION

SIXTH SEMESTER [BCA] MAY-JUNE 2026

Paper Code: BCA-302

Subject: Data Ware Housing and Data Mining

Time: 3 Hours

Maximum Marks: 60

Note: Attempt all questions as directed. Internal choice is indicated.

- Q1 Attempt **any five** of the following questions: (5×4=20)
- a) Explain the role of data ware house. Why it is important for decision support?
 - b) Write steps to mine multimedia database.
 - c) Explain knowledge discovery in database in brief.
 - d) What is association rule mining?
 - e) Differentiate between classification and clustering
 - f) Explain roll up, drill down and slicing
 - g) What do you understand by spatial database?
 - h) Explain Executive Information System
- Q2 Explain 2-tier and 3-tier architecture of data ware house in detail with suitable example. (10)
- OR
- Q3 Differentiate among information processing, analytical processing and data mining. (10)
- Q4 What is the objective of multidimensional data model? Explain the concept of schema along with types STAR schema, snowflake schema and fact constellation schema. (10)
- OR
- Q5 Differentiate between OLAP and OLTP. (10)
- Q6 Explain the concept of data preprocessing. Write all steps of data mining. (10)
- OR
- Q7 What is data cleaning? How noisy data is controlled in data cleaning step of data mining. (10)
- Q8 Explain Apriori algorithm of association rule mining. (10)
- OR
- Q9 Explain all major applications of data mining. Also discuss the social impacts of data mining in detail. (10)
