

Half Yearly Examination 2020-21

B.C.A. II Year

Database Management System

BCA - 202

Time: 3 Hours

Max. Marks = 80

Min. Marks = 27

Note:- Attempt any two questions from each unit . Each question carries equal marks.

UNIT-I

1. Write a note on database users along with their roles and responsibilities.
2. Draw overall Database System Structure and discuss its components.
3. Write a note on relational data model

UNIT-II

1. Draw ER-Diagram for School management system.
2. Explain the concept of keys in DBMS in detail.
3. Explain concept of UML diagrams.

UNIT-III

1. Explain Cartesian product and join operations with examples.
2. Write a note on select and project operations with suitable examples.
3. Write a note on tuple relational calculus.

UNIT-IV

1. Discuss 1NF and 2NF with example.
2. Write a note on 3NF and BCNF with example.
3. Discuss the concept of decomposition and dependencies in detail.

UNIT-V

1. Write a note on insert, update and delete commands with example.
2. Discuss group by and order by commands with examples.
3. Write a note on triggers.