

FACULTY OF COMMRCE

B.COM (CA) III SEMESTER (CBCS R-19) EXAMINATIONS, DEC 2022

RELATIONAL DATABASE MANAGEMENT SYSTEM

Time: 3 HRS

[Max. Marks: 60

SECTION - A (5 X 2 = 10 Marks)

1 Answer any FIVE questions

- a Write the types of Databases.
- b What is a Key? Write the types of Keys.
- c What is Relational Database Integrity?
- d What is Index? Specify the types of Indexes.
- e Write the structure of SQL Command.
- f What is Optimistic Concurrency Control?
- g Define Transaction? Write the properties of a Transaction.
- h What is Data Replication?

SECTION - B (5 X 10 = 50 Marks)

Answer ALL questions

- 2 A Describe the Logical DBMS Architecture.
- OR
- B Explain how to convert ER Diagrams to Relational Database.
- 3 A What is Normalization? Write the Rules for Normalization. Describe 1NF.
- OR
- B Describe Indexed Sequential File Organization.
- 4 A Define DML and TCL. Describe DML and TCL commands with example.
- OR
- B What are Views? How to Create a View? Write the advantages of Views.
- 5 A Define Deadlock. Describe Deadlock Prevention.
- OR
- B Describe Database Recovery Techniques.
- 6 A What are Distributed Database Systems? Describe the Need for Distributed Database Systems.
- OR
- B Describe the Structure of Client Server Systems and its Advantages.
