

FACULTY OF SOCIAL SCIENCES/SCIENCE  
B. A/B. Sc III SEMESTER (CBCS R-19) EXAMINATIONS, DEC 2024  
COMPUTER APPLICATIONS - III  
RELATIONAL DATABASE MANAGEMENT SYSTEM

Time: 3 Hours]

[Max. Marks: 80

SECTION - A (8 X 4 = 32 Marks)

1. Answer any EIGHT questions

- a. What is metadata?
- b. Explain candidate key with example?
- c. Explain DBA.
- d. What is Entity Integrity?
- e. Write about the concept of dependency?
- f. What is SQL?
- g. Define Query.
- h. Mention DCL commands?
- i. Define durability?
- j. What is Distributed Database?
- k. Explain database errors.
- l. What is Optimistic Control in RDBMS?

SECTION - B (4 X 12 = 48 Marks)

Answer ALL questions

- 2. a) What are the advantages of DBMS over file based system?  
(OR)
- b) What is an attribute? Explain different types of attributes.
- 3. a) Explain File Organization.  
(OR)
- b) Discuss about Boyce Codd Normal Form with the example?
- 4. a) Explain DML commands in the SQL with the examples?  
(OR)
- b) Write about the concepts of views?
- 5. a) What is Two Phase Locking (2PL)?  
(OR)
- b) Write in brief about the deadlocks? Explain the techniques to control it?

\*\*\*\*\*