

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT**

BBA (Computer Applications) CBCS II-Year (III-Semester) Regular Examinations, Dec-2022/Jan-2023  
**Relational Database Management Systems**

Time: 3 Hours

Max Marks: 60

**SECTION-A**

(5×3=15 Marks)

Answer any Five questions from the following

1. Write a note on Data Dictionary.
2. What is the use of Super Key and Primary Key?
3. Write about Dependency Preservation.
4. What are the steps to create PL/SQL program?
5. Discuss in brief about Concurrent Transactions.
6. What is View Resolution?
7. How to prevent Deadlock?
8. What is domain Constraint?

**SECTION-B**

(5×9=45 Marks)

Answer all the following questions

9. (a) Explain Physical DBMS Architecture and logical DBMS Architecture in detail.  
(OR)  
(b) Explain the functions and role of Database Administrator in detail.
10. (a) What is an Entity? Explain ER Model with an example.  
(OR)  
(b) Define Relationship for College Database? Discuss the conversion of E-R Diagram to Relational Database.
11. (a) Explain Referential Integrity, Entity Integrity and Redundancy and Associated Problems.  
(OR)  
(b) Explain Boyce Codd Normal Form and Second Normal form.
12. (a) Discuss about Queries using Order by, Group by and Nested Queries with examples.  
(OR).  
(b) What is a Trigger? Explain types of Triggers in detail.
13. (a) Explain in detail about Two Phase Locking Protocol.  
(OR)  
(b) What is Integrity? Explain Backup and Recovery Techniques.