DBMS Important Questions
CSD II BTech I sem R20 Regulation

I UNIT

1. What is Database and Characteristics of Database
2. Drawbacks of Files and advantages of Files
3. Database Users and Role of DBA.
4. Write about Data Models in DBMS
5. Define Data Independence and write about Physical and Logical data independence
6. What is Three Schema Architecture in Database
7. Define Database system Architecture in Database.
8. What is Centralized and Client server Architecture
9. Who are the Actors on the Scene and behind the Scene?

II UNIT

1. Define Relational Data Model and Concepts of RDBMS
2. What is Constraint and types of constraint in SQL
3. What are the datatypes in SQL
4. Define DDL and DML Commands in SQL
5. Define TCL and DCL commands in SQL
6. What are the Date and String functions in SQL
7. What are the Conversion Functions in SQL
8. What are the OPERATORS in SQL
9. Write about SELECT stamen and Difference between order by clause an Having Clause

III UNIT

1. What are the Components of E-R Model
2. Write about different types of Attributes in E-R model
3. What are the types of Entities and Relationships
4. Difference between specialization and generalization in E-R Model.
5. What is Inheritance and define super class and sub class.
6. Define the Integrity constraints in SQL
7. Write about types of Joins
8. Draw E-R diagram for Hospital management System
9. Draw E-R diagram for Library management System
10. What is view and types of Views
11. What are the Aggregate functions
12. Write down about Relational SET operators
13. Difference between order by clause and Having clause.

IV UNIT

1.What is Functional Dependency and Write about 1NF & 2NF.

2.What are the different types of Anomalies & benefits of Normalization.

3.What is BCNF and 4NF.

4. What is Lossless Join Dependency and Dependency preserving Property in Normalization and describe 5NF

V UNIT

1. What is Transaction and States of Transaction
2. Write about Transaction and Properties of Transaction
   Or Write about ACID Properties
3. Define the Serializability and types of Serializabilities
4. What are the Failure classification Techniques in Database
5. Write about File Organization and Define Index in DBMS
6. What are the types of Indexes in DBMS.
7. What is Hashing types of Hashing Techniques
8. What is the difference between B Trees and B+ Trees

ALL THE BEST & HAVE A NICE DAY