



**SHRI GNANAMBICA DEGREE COLLEGE, MADANAPALLE
(AUTONOMOUS)**



PROGRAMME: BCA (ALL GROUPS)

II YEAR-III-SEM

COURSE: DATABASE MANAGEMENT SYSTEM

QUESTION BANK

Unit 1

Short Answer Questions:

1. What is Database? what are the objectives of the DBMS?
2. What are difference between database and information?
3. Explain Database applications?
4. What is database users and explain about types of database users?
5. Explain the advantages of DBMS or Database Approach?

Long Answer Questions:

1. What is DBMS and explain briefly about characteristics of DBMS
2. Explain Difference between DBMS and File Systems?
3. Write about file processing System. Explain the drawbacks of File oriented Approach?
4. What is Data model? Explain various data models?
5. Explain Three Schema Architecture of DBMS?

Unit 2

Short Answer Questions:

1. What is Relational modal with Properties?
2. What is Functional Dependency?
3. What is Normalization?
4. Explain about boyce- codd normal form(BCNF)?

Long Answer Questions:

1. Explain Codd's Rules in detail?
2. What is Integrity constraints and Explain various types of constraints in DBMS with an example?
3. What is functional dependency and discuss about rules and types of Functional Dependencies?
4. What is Normalization? Explain different types of normal forms in RDBMS?
5. What are keys in RDBMS? Explain briefly about types of SQL keys?

Unit 3

Short Answer Questions:

1. Difference between strong entity set and weak entity set?
2. Difference between generalization and specialization?
3. What is SQL and explain advantages of SQL?
4. What is Relationship and Explain types of relationship?
5. Explain Participation constraints and types of Participation constraints?

Long Answer Questions:

1. Explain SQL commands in detail?
2. Explain EER modal in detail?
3. Explain constraints on Generalization and specialization?
4. Explain data types in SQL?
5. Explain SQL operators ?

Unit 4

Short Answer Questions:

1. Explain DCL commands?
2. Differences between rollback and commit commands?

3. Discuss views or virtual tables in SQL?
4. Explain many-to-many relationships with an example?
5. Explain string functions in SQL?

Long Answer Questions:

1. Explain SQL joins with their types?
2. Explain integrity constraints with their types?
3. Explain about Aggregate functions with examples ?
4. Explain SQL Set Operators ?
5. How to create tables using relationships in SQL?

Unit 5

Short Answer Questions:

1. Differences between SQL and PL/SQL?
2. Explain block structure of PL/SQL?
3. Explain Triggers in PL/SQL?
4. Explain cursors in PL/SQL?

Long Answer Questions:

1. Explain looping statements PL/SQL ?
2. Explain Stored procedures in PL/SQL?
3. Explain Functions in PL/SQL?
4. Discuss Control structure in PL/SQL?
5. Explain Exception Handling in PL/SQL?
6. Discuss Packages in PL/SQL?
7. Explain Triggers in PL/SQL?