CHAPTER 1

1. Explain data with an example.
2. What is database and what are the frequent operations can be done on database?
3. What is DBMS?
4. What is RDBMS?
5. What are the differences between DBMS and RDBMS?
6. Explain the rules of E F Codd.

CHAPTER 2

1. What are datatypes and explain each type of datatypes.
2. Difference between CHAR and VARCHAR.
3. Difference between PRECISION and SCALE.

CHAPTER 3

1. What is constraint? Explain types of Constraints.
2. Difference between UNIQUE and PRIMARY KEY.
3. Difference between PRIMARY KEY and FOREIGN KEY.

CHAPTER 4

1. Overview of SQL statements.

CHAPTER 5- Software installation

CHAPTER 6

1. What is DQL?
2. What are the statements present in DQL?

CHAPTER 7

1. What is projection and write the syntax of Projection along with order of execution.
2. What is expression?
3. What is alias?
4. What is distinct clause?
5. Difference between unique and distinct.

CHAPTER 8

1. What is selection and write the syntax of selection along with order of execution.

CHAPTER 9

1. List the types of operators in SQL.

CHAPTER 10

1. What is function?
2. What is Single row functions?
3. What is Multi row functions?
4. List of all Multi row functions.
5. Explain the rules of using Multi row functions.
6. Difference between SRF () and MRF ().

CHAPTER 11

1. Explain GROUP BY clause.
2. Write the syntax of GROUP BY clause along with Order of execution.
3. What is group by expression.

CHAPTER 12

1. Explain HAVING clause.
2. Write the syntax of HAVING clause along with Order of execution.
3. Difference between HAVING and WHERE clause.

CHAPTER 13

1. What is subquery? Explain the working procedure of Subquery.
2. What are the types of subquery?
3. What are ALL and ANY operators?
4. What is nested subquery?

CHAPTER 14

1. Steps to find employee’s manager.
2. Steps to find employees reporting to given manager.

CHAPTER 15

1. What is JOIN? Explain types of JOINS.

CHAPTER 16

1. Explain order by clause.
2. Write the syntax for ORDER BY clause along with order of execution.

CHAPTER 17

1. Explain escape character.

CHAPTER 18

1. What is DDL? Write syntax for all statements present in DDL.
2. What is DML? Write syntax for all statements present in DML.
3. What is TCL? Write syntax for all statements present in TCL.
4. What is DCL? Write syntax for all statements present in DCL.

CHAPTER 19

1. Explain all types of attributes.
2. Explain types of functional dependencies.

CHAPTER 20

1. What is normalization?
2. What is normal form?
3. What are the levels of forms? Define levels of normal forms.