Assignment 1

Q.1) What is database management system? List and explain the applications of database in various fields.

Q.2) Compare and comment on Database System vs File System.

Q.3) With neat labeled diagram explain the three schema architecture in detail.

Q.4) With all graphical symbols explain the concept of E-R modeling in detail.

Q.5) Explain: **a**) Strong and Weak Entity sets   **b**) Specialization & Generalization

Assignment 2

Q.1) What is relational algebra? List and explain the fundamental operations in the relational algebra with proper example.

Q.2) Explain all the aggregate functions in relational algebra with example for each.

Q.3) What is SQL? List and explain the data types, characteristics and SQL commands with example.

Q.4) Explain the concept of referential integrity with example.

Q.5) What is Key? List and explain the various types of keys with suitable example or each.