

(Based on remember)

Answer any five Questions.

1. Describe the structure of DBMS.
2. Write short notes on the following:
  - (i) Data Manipulation Language(DML)
  - (ii) Data Defination Language(DDL)
  - (iii) Transaction control statement(TCS)
  - (iv) Data control language(DCL)
  - (v) Data Administration Statements(DAS)
3. (a)What is E-R modeling?How it is different from SQL?  
(b) Describe the basic concepts of E-R model.
4. (a) Five a relation R(A,B,C,D,E) AND P(A->B,BC->D,D->BC,DE->) Synthesis a set of 3NF relation schemes.  
(b) Define BCNF How does it differ from 3NF?Explain.
5. (a) What is Transaction log? What are its function?  
(b) What is consistent database state and how it is achieved?
6. Explain the optimistic method for concurrency control.
7. Explain the following Sql Quesries:
  - (a) Upadate
  - (b) Insert
  - (c) Triggers
  - (d) Views and Grants
8. Explain Self-Join, equi-join, non-join in sql programming.