

(Based on remember)

Answer any five Questions.

1. Explain the following terms in context of Database management System.
 - (a) Instance and Schema
 - (b) Primary and Foreign key
2. Explain the advantage of database management System. Also mention its limitations.
3. What is an Entity? What is a relationship? Explain ER modeling with the help of a database for a student management system.
4. Define Normalization, Explain 1NF, 2NF, 3NF, BCNF using appropriate examples.
5. Discuss the alternatives available for quick processing of multiple key access queries.
6. Explain the concept of Query Optimization in detail.
7. (a) Explain Atomicity of a transaction?
 - (b) How is a transaction started and ended in SQL?
8. How are deadlocks handled in transaction processing? Explain.