



( 2 )

2. Explain how we can convert ER model into relational schema. What is generalization and specialization ?

**OR**

Make an ER diagram from Banking Management system.

3. Explain syntax of inner, outer and self joins through suitable example. What do you mean by nested queries ?

**OR**

What do you mean from alter commands of SQL ? How they can be used ? Explain any five data types of SQL.

4. What do you mean from decomposition ? Explain functional and multivalued dependencies.

**OR**

Write about 1NF, BCNF, 4NF and Project join normal form.

5. Compare Relational Algebra and Relational Calculus. Write fundamental operations of relational algebra.

**OR**

( 3 )

What is procedural and non-procedural query language? Explain foreign key and primary key.

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