



## Importance

All the topics are as per priorities

### Brief-5 Marks

- File system v/s Database
- Steps / Components of ER/EER
- ACID Properties(MUST DO)
- Relational Algebra(MUST DO)
  - a. Projection
  - b. Selection
  - c. union
  - d. Cartesian
- Log based recovery
- Conflicts/View serializability(EASY)
- Weak/Strong entity, Foreign/Primary key, Joins in sql

### Detailed-10 Marks

- Draw an ER diagram(MUST DO)
- SQL problem statement(4/5 queries)(joins, views, DML, Group by ,order by)(MUST DO)
- Specialization & generalization
- Deadlock (prevention, handling, recovery)
- Normalization (1NF, 2NF,3NF ,BCNF) – should study theory + application
- Architecture of DBMS
- Shadow paging / ARIES

### Bonus scoring topics

- Database Admin
- Data Independence
- Database Languages
- Triggers (SQL)

Do share with your friends and help them :)