

## Important Question's

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## BLOCK 1

- Ques. 1** Explain the role of Database Management and state its advantages and disadvantage ?
- Ques. 2** The file-based system with a database approach ?
- Ques. 3** Discuss the Logical DBMS Architecture (ANSI-SPARC 3 levels)
- Ques. 4** What do understand the term from Data Dictionary ?
- Ques. 5** What is key constraints ?
- Ques. 6** What are the Integrity Constraints ? Explain the various Integrity Constraints with the help of examples ?
- Ques. 7** What is weak entity and strong entity? Explain through an example ?
- Ques. 8** What do you understand the query Optimization? Discuss the role of Relation Algebra in Query Optimization ?
- Ques. 9** Define serializable Schedule ?

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## BLOCK 1

**Ques. 10** Draw an Er diagram ?

**Ques. 11** Which of following functional dependencies holds for the Relation (R) ?

**Ques. 12** Why do we use Normalisation in data database. Give one example of each approach ?

**Ques. 13** Prove the statement "**Any relation which is In BCNF is in 3NF but the converse is no true ?**

**Ques. 14** Discuss the Importance of File Organisation ?

**Ques. 15** Compare primary,secondary and clustering indexes ?

**Ques. 16** What is Index of Tree Structure and What is a B\* tree? Why is a B\* tree better structure than a b-tree for implementation of an index sequential file ?

**Ques. 17** With the help of suitable example of inverted file organisation ?



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**BLOCK 2**

**Ques. 1** Consider the relation database . write a query in SQL ?

**Ques. 2** Define Data Manipulation Language , and List an explain the DML command ?

**Ques. 3** What is understand term by the Transactions ?

**Ques. 4** Explain problem The Concurrent transactions with the help of an examples ?

**Ques. 5** Write the short notes of Locking protocol ?

**Ques. 6** Discuss the wait die and wound-wait protocols for Deadlock protocol, and its Preventions ?

**Ques. 7** Explain the backward Recovery and forward recovery ?

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## BLOCK 2

**Ques. 8** What is a key advantages of checkpoints of recovery mechanism ?

**Ques. 9** What is the Recovery Techniques ?

**Ques. 10** Compare and contrast the Distributed DBMS ?

**Ques. 11** Explain briefly about Data replication Give its advantages and disadvantages ?

**Ques. 12** With the help of example ,explain Client-Server Databases ?



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