

Unit1:

1. What is DBMS? Explain
2. Write any five advantages of DBMS.
3. Explain schema with example
4. What is DDL and DML? Explain
5. Explain data dictionary
6. What is database administrator? Explain its five work
7. Explain E-R Model? Make an ER Model of hospital management system
8. What is strong and weak entities? Explain with example

Unit2:

1. Explain relational database management system
2. What is network model? Explain its advantages
3. Explain structure tuple attributes in relational model
4. Explain normalization: 1st NF, 2nd NF
5. Explain entity integrity
6. What is key explain any two

Unit3:

1. What is relational algebra? Explain
2. Explain selection and projection in relational algebra
3. What is join in dbms ? explain theta join
4. Define union , set difference in brief
5. Explain set operation with example
6. Explain relational query language with example

Unit4:

1. Explain crashes in transaction
2. Write the solution to recover from crashes
3. Explain different type of crashes with example
4. Define rollback? Explain committed
5. Explain the security aspects on dbms
6. Define journal in transaction
7. What is backup ? explain with example

Unit5:

1. What is transaction state ? explain
2. Explain protection and maintenance of database
3. Define integrity
4. Explain the concept of distributed database
5. Explain transaction concepts with example
6. Discuss serializability security in database