Adt questions

Unit 1
*High level data models
*Realtionship types sets and roles
*Constraints on realtionship types
*Mappings cardinality constraints
*Er data models
*Eer and advantages and example
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Unit 2
Design guidelines for realtional schema
Functional dependencies
All normal forms
5th normal or projection join form
+ Read some additional questions

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Unit 3
*Variations of 2 phase locking protocol
*Cautious waiting ,no waiting,and timeout protocols in deadlocks prevention
*Deadlocks and starvation
*different level of isolation
*Lock based concurrency control
*+Mid sem questions

Unit 4
Comparison of nosql and realtional db
*Comparison of hbase and oracle
*Architecture of hbase
*hbase commands
*graph database and usage
*categories of nosql db
*column oriented db
*keyvalue db
*Nosql db characteristics
*storing and accessing data with hbase

Unit 5
*Crud operation in nosql db
*Transactions control language (commit rollback samepoint)
*data consistency with nosql db
*Difference between nosql and traditional db
*dml commands with respective Cassandra
*Comparison of mongodb and Cassandra