



## RDBMS

### Unit 1:-Introduction TO Rdbms

- 1)Give any two differences between DBMS and RDBMS.
- 2)Explain any four objects of oracle.
- 3)Write any 2 distinguishing characteristics of RDBMS
- 4)Explain any four features of oracle
- 5)Explain relation between application program and RDBMS
- 6)What is RDBMS? Explain any two features of RDBMS
- 7)Any 2 popular products of RDBMS
- 8)What is RDBMS ? List any four characteristics of RDBMS.
- 9)Explain advantages and disadvantages of RDBMS.

### Unit 2:- PLSQL

- 1)What is trigger ? List types of trigger.
- 2)Write syntax of nested if statement in PL/SQL with example.
- 3)Explain the following predefined exception :no-data-found, zero-divide, two-many-rows, duplicate-val-on-index.
- 4)What is PL/SQL ? Explain different data types in PL/SQL
- 5)What is cursor ? List attributes of cursor with an example.
- 6)Explain any four features of PL/SQL
- 7)List the iterative statements in PL/SQL
- 8)Explain procedures syntax and example
- 9)What is difference between %type and % rowtype
- 10)Explain for loop statements in PL/SQL
- 11)What is PL/SQL ?Explain block of PL/SQL
- 12)What is trigger ?Explain syntax with example
- 13)What is PL/SQL ? List the sections of a PL/SQL block.
- 14)Write a note on package in PL/SQL.
- 15)What is exception handling ? explain user defined exception
- 16)Explain for while statements in PL/SQL
- 17)Difference between procedure and function with example



### Unit 3:-Transaction Management

- 1)What is transaction? List properties of transaction.
- 2)Define cascade less schedule.
- 3)Explain states of transaction with the help of suitable diagram.
- 4)What is serializability? Explain view serializability with example.
- 5)Which are the conflict operations of transaction?
- 6)What is conflict serilizability
- 7)Explain the different types of schedule related to recovery with example.
- 8)What is serializability?List the type of serializability?
- 9)Define Recoverable Schedule
- 10)What is transaction? Explain ACID Properties of transaction
- 11)What is Schedule ? List the types of Schedule
- 12)Explain recoverable schedule and cascadeless schedule with example.

### Unit 4:-Concurrency Control

- 1)Define :(i) growing phase (ii) shrinking phase.
- 2)Give Lock-compatibility matrix.
- 3)What is deadlock ? Explain deadlock prevention methods.
- 4)Explain Thomas write rule.
- 5)Define lock ?Explain types of Lock?
- 6)Define physical block ,Buffer block
- 7)What is dirty read problem?
- 8)Write a note on Deadlock
- 9)Write a note on Granting of locks
- 10)Define upgrading and downgrading
- 11)What is deadlock ? Explain how deadlock is recovered
- 12)Explain Timestamp ordering Protocol
- 13)What is Deadlock ? Explain how deadlock is huddled.
- 14)Explain two-phase locking protocol with example.
- 15)What is block? Explain their types
- 16)Explain validation based protocol
- 17)What is precedence graph
- 18)Define W-Timestamp ,R-Timestamp