

Unit1: Fundamentals of Database

- DBMS Concepts
- RDBMS Concepts
- RoleS of Oracle in info.mgt.
- What is Object – Model?
- Oracle versions
- Features of Oracle 8i/9i/10g/11G
- E-R Modelling

Unit2: SQL

- What is SQL?
- Role of SQL in RDBMS
- Sub-languages in SQL
- What is SQL, SQL*PLUS and ISQL*PLUS
- Oracle data types

Unit3: Classification of SQL Commands

- Types of commands

Unit4: Data Definition Language (DDL) Commands

- Create, alter-add, modify, drop column and Drop

Unit5: Data Integrity Constraints

- Key Constraints
- Domain Constraints
- Referential Integrity Constraints
- Implementation of data integrity
- Data integrity construction
- DML Commands

Unit6: Insert

- INSERT Statement
- Oracle Operators
- Where clause

- Update and Delete statements

Unit7: Select

- Examples on Select using Where Clause
- Special Operators IN, BETWEEN, LIKE, IS NULL

Unit8: Data Joining

- What is join
- Types of Joins
- Cartesian Join
- Equi join/Non-Equi join/Outer Join

Unit9: Outer Joins

Left outer join, Right outer joins and Full outer join

- Sub Queries
- Operators
- Database Objects
- Indexes
- Views
- Synonyms
- Clusters
- Sequence
- Data Deletion
- Data Updation
- Transaction Control Language
- Sub Queries
- Oracle Functions
- Categories
- Types of functions

Unit10: PL/SQL

- Conditional Stmts
- Loops
- Cursors
- PL/SQL Records and Tables
- Stored Procedures
- Functions
- Triggers
- Packages
- Object Technology
- Files

- Oracle Utilities
- Designing
- Oracle Architecture
- Servers & Processes
- Data Processing
- Data Partitioning
- Dbtimezone, Extract
- SQLJ—SQL with JAVA
- Ref Cursors
- Miscellaneous
- ORACLE DBA Concepts
- Project Description