

4BCA2-ORACLE RDBMS

UNIT - I

Different Data base model ,RDBMS components – Kernel, Data dictionary,Client/Server Computing and Oracle, Overview of oracle architecture – Oracle files, System and User process, Oracle Memory, role of DBA, System data base object, Protecting data

UNIT - II

SQL Plus, Oracle data types, Creation, Insertion, Updation, Deletion of tables, Modification of structure of tables, Removing, Deleting, Dropping of Tables, Data Constraints, Column level & table Level Constraints.Null, Unique Key, Default key, Foreign key ,Check Integrity constraints. Defining different constraints on the table Defining Integrity Constraints in the ALTER TABLE Command, Select Command, Logical Operator, Range Searching, Pattern Matching,Oracle Function, Grouping data from Tables in SQL, Manipulation Data in SQL

UNIT-III

Joining Multiple Tables (Equi Joins),Joining a Table to itself (self Joins),Subqueries Union, intereseect & Minus Clause,Creating view,Renaming the Column of a view,Granting Permissions, - Updation, . Selection, Destroying view,Permission on the objects created by the user,GRANT statement,Object Privileges,Referencing a table belonging to another user,Revoking the permission given,Indexes

UNIT-IV

PL/SQL, SQL & PL/SQL differences, block structure, variables, constants, datatype, Assigning database values to variables, Select ... INTO, cursors, Using flow control and loop statement, GOTO statement, Error handling, Built-in exceptions, User defined exceptions, The Raise-Application-error procedure, Oracle transaction, Locks, Implicit and Explicit locking.

UNIT-V

Procedures & Functions - Concept, creation, execution, advantages, syntax, deletion,Triggers - Concept, use, how to apply database triggers, type of triggers, syntax, deleting,Import, Export,Oracle backup and recovery

TEXT & REFERENCE BOOKS :

- *Ivan Bayross, "SQL, PL/SQL", BPB Publications"*
- *Liebschuty, "The Oracle Cook Book", BPB Publication*
- *Michael Abbey, Michael J. Corey, "Oracle a Beginners guide". TMH Publication*
- *Oracle Unleashed (Chapter 1,2,3,4,5 and 9)*