

CORE COURSE XII – ORACLE AND RDBMS

Credit Allotted: 5

Max. Marks: 75

UNIT – I

Database concepts: A relational Approach – Database Management Systems(DBMS) – Relational Database Model – Integrity rules – Theoretical Relational Languages - Database Design: Data Modeling and Normalization .

UNIT – II

Oracle 8 : An overview - Personal Databases – Client / Server Databases - Table Creation & Modification : Data types – Constraints – Creating an Oracle Table - Working with tables: Data Management and retrieval .

UNIT – III

Multiple Tables : Join – Set Operators - Sub-Query - Advanced Features : Objects, Transactions and Control – Views – Sequences – Synonyms – Index – Controlling Access – Object privileges.

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UNIT – IV

PL/SQL : Programming Language Basic – History of PL/SQL – Fundamentals of PL/SQL – Data types – Variable declaration - SQL and Control structures in PL/SQL.

Unit – V

Cursors and Exceptions – Procedures, Functions and Packages.

TEXT BOOK:

1. Nilesh Shah , “ Database Systems Using Oracle “ , Prentice – Hall of India private Ltd.

BOOKS FOR REFERENCE:

1. Abraham silberschatz Henry F.Korth S.Sudarshan, “Database system concepts “ , McGraw – Hill – companies.
2. Alexis leon , Mathews leon , “ Essentials of Database Management systems”, Vijay Nicole imprints pvt Ltd.
3. Raghu Ramakrishnan & Johannes Gehrke, “Database management systems”, McGraw – Hill –International editions.