All The best For Exams - Rejinpaul Team

Anna University Exams Nov/Dec 2015 – Regulation 2013
Rejinpaul.com Unique Important Questions – 3rd Semester BE/BTECH
CS6302 Database Management system

UNIT I

1. discuss the various operations in Relational Algebra with example
2. Explain in detail about Various Normal Forms with suitable examples
3. Explain the Database system structure with a neat diagram
4. Explain Specialization, Generalization and aggregation in E R Model . Draw ER diagram (a) employee payroll system (b) Restaurant Menu Ordering System (c)Life Insurance Company (d) banking enterprise
5. Explain in detail about different data models with neat diagram

UNIT II

1. Explain Query Processing and Optimization with reference to catalog information
2. Discuss about the Join order optimization and Heuristic optimization algorithms.
3. Discuss (a) Embedded SQL (b) Dynamic SQL (c) DDL (d) DML (e) DCL
4. The will give you some schema and ask you write query on that
Consider the database for the following schemas:
    CUSTOMER(Cust_no, Sales_Person_No., City)
    SALES_PERSON(Sales_Person_No., Sales_Person_Name,Common_Prec,Year_of_Hire)
Give an expression in SQL for each of the following queries:
Display the list of all Customers by Cust_no with the city in each is located.
List the name of the sales person who have an account in DELHI

UNIT III

1. Discuss about two phase locking protocols and Three-phase Commit Protocols with example
2. Explain in detail about concurrency control mechanisms and discuss various states of trancations
3. Illustrate Deadlock. What are the testing for conflict serializability and view serializability

UNIT IV

1. Explain in detail (a) RAID (b) Tertiary storage
2. Write notes on B-tree and B+ Trees in detail (Study How to insert and delete - Problems)
3. Discuss (a)multimedia Databases (b) web database (c) mobile Database (d)Distributed databases (d)Spatial

UNIT V

1. Explain about transaction processing in Distributed Databases.
2. Explain Data Mining and Data warehousing
3. Discuss on Object Oriented Databases
4. Discuss clustering and classifications in detail
5. What is the structure of XML databases? Explain with examples

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