

DATABASE MANAGEMENT SYSTEM (25CS305)

Unit Wise Question Bank

UNIT-II

S. No	Questions	BT	CO	PO
Part –A(Short Answer Questions)				
1	List and explain the different types of SQL commands with examples.?	L1	CO2	PO1
2	Write the general form of a basic SQL query and explain its clauses.?	L2	CO2	PO1
3	Differentiate between comparison operators and logical operators in SQL.?	L3	CO2	PO1
4	What are aggregate functions in SQL? Name any four aggregate functions?	L1	CO2	PO1
5	Define Null Values.	L1	CO2	PO5
6	Explain the purpose of set operators in SQL. Name any three set operators?	L2	CO2	PO2
7	What is a nested query? Give an example?	L2	CO2	PO1
8	Define primary key and foreign key with suitable examples?	L1	CO2	PO1
9	What is the difference between primary key and unique key?	L1	CO2	PO4
10	Explain super key	L2	CO2	PO2
Part– B(Long Answer Questions)				
11	a) Explain the various types of SQL commands (DDL, DML, DCL, TCL, and DQL) with suitable examples?	L2	CO2	PO5
	b) Construct SQL queries using different SQL operators and aggregate functions for a student database.?	L3	CO2	PO3
12	a) Explain nested queries in SQL and demonstrate different types of subqueries with examples?	L2	CO2	PO1
	b) Discuss various integrity constraints in relational databases and explain how they ensure data consistency.?	L2	CO2	PO3
13	a) Explain the concept of views in SQL. Create and demonstrate the use of views with suitable examples?	L3	CO2	PO2
	b) What is the usage of 'group by' and 'having' clauses in SQL?	L1	CO2	PO1
14	a) Design and implement database triggers for maintaining data integrity and explain the role of active databases?	L6	CO2	PO2
	b) Explain about domain relational calculus with example?	L4	CO2	PO5
15	a) Describe the structure of a PL/SQL block and develop a PL/SQL program using cursors?	L3	CO2	PO2
	b) With a suitable Example Explain Intersection, Join, Division and Assignment operations in relational algebra?	L3	CO2	PO1