

QUESTION BANK (DBMS)

UNIT-01

- Q.1) Explain the degree of relationship.
- Q.2) What are the disadvantages of DBMS?
- Q.3) What is Database System?
- Q.4) Explain in detail Codd's Rules.
- Q.5) What is DBMS? Explain Disadvantage of file oriented system.
- Q.6) Explain three level architecture or levels of abstraction of DBMS.
- Q.7) What is database language? Explain its type with example.
- Q.8) What is database user? Explain different types of database user.
- Q.9) What is data independency? Explain types of data independency.
- Q.10) What is ER Diagram? Explain in detail types of attributes.

UNIT-02

- Q.1) Explain Selection and projection operation in relational algebra.
- Q.2) Explain Set based operations in relational algebra.
- Q.3) what is joins in relation algebra, Explain Inner join in details.
- Q.4) Explain the significance of primary key, candidate key, Super key, Alternate key & Composite key.
- Q.5) Explain reason for normalization. And also explain insertion, updation and deletion anomalies
- Q.6) What is Normalization? Explain 1NF, 2NF, 3NF with Examples.
- Q.7) what is joins in relation algebra, Explain Outer join in details.
- Q.8) What is Normalization? Explain BCNF, 4NF with Examples.
- Q.9) What is Normalization? Explain 4NF,5NF with Examples.
- Q.10) Explain Cartesian product and Set Difference operation.

UNIT-03

- Q.1) What is constraints? Explain table level and column level constraint.
- Q.2) Explain all column level constraints.
- Q.3) Explain table level primary key, foreign key and unique constraints with syntax.
- Q.4) Explain Check and default constraint.
- Q.5) What is integrity constraint? Explain domain constraint.
- Q.6) What is integrity constraint? Explain entity integrity constraint.
- Q.7) What is views? Write down syntax to create view.
- Q.8) Why database security is important?
- Q.9) Explain aggregate functions in oracle with example.

UNIT-04

- Q.1) Difference Between SQL and PL/SQL
- Q.2) What is a Transaction in DBMS?
- Q.3) List and explain different states through which transaction goes during its execution.
- Q.4) Describe ACID properties for Transaction.
- Q.5) What is PL/SQL block?
- Q.6) Explain types of PL/SQL block.
- Q.7) Explain %type attribute in details with example.
- Q.8) Write a PL/SQL Program using if – else condition to check the maximum number.
- Q.9) Write a PL/SQL Program GREATEST OF THREE NUMBERS USING IF ELSEIF
- Q.10) Write a PL/SQL Program to find Even and odd program

UNIT-05

- Q.1) Write a PL/SQL Program to check if character is vowel or consonants
- Q.2) Write a PL/SQL Program to take 3 marks from the user and calculate the percentage and accordingly show grades.

Q.3) Write a program to print numbers from 1 to 5 using while loop.

Q.4) Explain how to declare variable and ways of assigning value to the variable in pl/Sql.

Q.5) Write a program to print table of given number in reverse take input from user.

Q.6) What is the use of exception handling? Explain variable type exception.

Q.7) Write a program to create procedure and display number of employees from given designation.

Q.8) Explain with the syntax simple loop, while loop and for loop.

Q.9) What is cursor explain the types of cursor.

Q.10) what is trigger? Explain the types of trigger.