**Test on DBMS**

Q.1 What is DBMS ? Write two advantages and disadvantages of DBMS. Write four queries which comes under the DML.

Q.2 Explain ER Model with an example. Make an ER diagram for the statement " Teacher teaches Students "

**STUDENT : StudentRoll (Primary Key ) , StudentName , StudentPhone (Multivalued)**

**TEACHER : TeacherID (Primary Key ), TeacherName, TeacherAge (Derived)**

Q.3 Execute Queries for the following Table : -

Table Name : Empl

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | NAME | AGE | SALARY | CITY | COUNTRY |

**ID : Primary Key**

a) Insert 8 records in the above table where age less than 20 should not be inserted

and should not be null.

b) Show names of All employees who live in either Mumbai or Delhi.

c) Show name and salary of those employees whose salary is in rage 20000 to 30000.

d) Count all employees country wise and show all records.

e) Delete last three records from the table.

Q. 4 Create two tables :

Customer : CustomerID(Primary Key) ,CusomerName, City

Products : ProductId(Primary Key), OrderId(Foreign Key) , ProductName , Qty

a) Join two tables using Inner Join.

b) Update the quantity of the Last record.

c) Show Name of all customers in Descending order of CusomerID.

d) Find those customers those name starts with 'S'

Q. 5 Create a table

Temperature : City Code(Primary Key) , City Name, Temperature

a) Insert 5 records in the table.

b) Find the maximum and minimum temperature.

c) Update the temperature of the city with maximum temperature.

d) Arrange the records City Wise in Ascending order.

e) Update the temperature for all the cities to 30.