**Batch T3**

Execute the following SQL statements.

Employee(Fname,Minit, Lname, SSN, Bdate,Address,Gender,Salary,Super\_ssn, Dno)

Department (Dname, Dnumber, Mgr\_ssn,[Mgr\_start\_date])

Dept\_locations(Dnumber,Dlocation)

Project(Pname, Pnumber, Plocation,Dnum)

Works\_on(Essn,Pno,[Hours])

Dependent (Essn,Dependent\_name,Sex,Bdate,Relationship)

1. Create tables for above schemas.
2. Define integrity and value constraints wherever appropriate.
3. Alter table *Department* to add *Mgr\_start\_date* column and *Works\_on* table to add

*Hours* column to it.

1. Create sequences that can be used as primary key in each table.
2. Create an index on employee’s SSN.
3. Create a simple view with Employee’s name and project names on which he works.
4. Drop table Dependent.
5. Insert values into all tables created in Q.1.
6. Display a) all employee’s information b) employee’s name and their respective

Project. c) Unique project nos d) project info. with appropriate column aliases.

1. Retrieve the birth date and address of the employee whose name is ’John B. Smith’
2. Find the sum of salaries of all employees, the maximum salary, the minimum salary

and the average salary

1. Display all the employees from Mumbai alphabetically.
2. Find all employees whose names have “ing”.
3. Find the total number of employees in the ‘Research’ department.
4. Find the number of years service done by manager from Mgr\_start\_date.