**NATIONAL INSTITUTE OF TECHNOLOGY, SURATHKAL**

**Department of Computer Science & Engineering**

**DATABASE MANAGEMENT SYSTEM LAB-CO303**

1. For the following relation schema:

*employee(employee-name, street, city)*

*works(employee-name, company-name, salary)*

*company(company-name, city)*

*manages(employee-name, manager-name)*

Give an expression in SQL for each of the following queries:

a) Find the names, street address, and cities of residence for all employees who work for

'State Bank Of India' and earn more than $10,000.

b) Find the names of all employees in the database who live in the same cities as the

companies for which they work.

c) Find the names of all employees in the database who live in the same cities and on the

same streets as do their managers.

d) Find the names of all employees in the database who do not work for 'State Bank Of India'. Assume that all people work for exactly one company.

e) Find the names of all employees in the database who earn more than every employee of 'ICICI'. Assume that all people work for at most one company.

f) Assume that the companies may be located in several cities. Find all companies

located in every city in which 'ICICI' is located.

g) Find the names of all employees who earn more than the average salary of all

employees of their company. Assume that all people work for at most one company.

h) Find the name of the company that has the smallest payroll.