

# 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.