

# **SNGIST GROUP OF INSTITUTIONS**

## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

### **B. TECH DEGREE INTERNAL LAB EXAMINATION NOVEMBER 2024**

#### **SEMESTER V**

#### **CSL 333 DATABASE MANAGEMENT SYSTEM LAB**

DATE:

TIME: 3 HOURS

Consider the tables on WORKSON database:

EMP (eno, ename, bdate, title, salary, dno) PROJ (pno, pname, budget, dno) DEPT (dno, dname, mgrno) WORKSON (eno, pno, resp, hours)

Choose the appropriate primary keys for the table.

Choose foreign keys wherever needed.

Insert 7 rows for each table.

1. Display all WORKSON records where hours worked is less than 10 and the responsibility is 'MANAGER'.
2. Write an SQL query that returns the project name, hours worked, and project number for all WORKSON records where hours >10.
3. Write an SQL query that returns the employee numbers and salaries of all employees in the 'CONSULTING' department ordered by descending salary.
4. Write an SQL query that returns the employee name, project name, employee title, and hours for all WORKSON records.
5. Write an SQL query that returns the project name, department name, and budget for all projects with a budget < 50,000.
6. Create a row level trigger for the EMP table that would fire for INSERT or UPDATE or DELETE operations performed on EMP table. This trigger will display the salary difference between the old values and new values.
7. Write a PL/SQL procedure to increment the salary by 20%.