SET 1

I. Create the Tables

EMPLOYEE(Emp_id, Emp_name, Hire_date, Salary,Dept_id)
DEPARTMENT(Dept_id,Dept_name,Manager_id,Location)

In EMPLOYEE table **Emp_id** is the primary key and in DEPARTMENT table **Dept_id** is the primary key. **Dept_id** in EMPLOYEE table and **Manager_id** in DEPARTMENT table are foreign keys. Insert proper values in to the table

i. Write a query that displays the employee id and hire_date of employees whose name contains the letter ' U'

ii. Write a query to display the name and hire date of any employee in the same department as 'Tomy'

iii. Write a query to display the employee id and names of all employees who can earn more thanaverage salary. Sort the result in ascending order of salary.

iv. Display name of departments with more than 2 employees

v. Display the empid, employee name, manager name of least experienced employee.

II. Create a trigger to give a warning message when salary increment is greater than 10000 for an employee, while updating the database.

SET II

Create the following tables and insert values into the tables :

FACULTY(FNO, NAME, GENDER, AGE,SALARY,DNUM)
DEPARTMENT(DNO, DNAME, DPHONE)
COURSE(CNO, CNAME, CREDITS, ODNO)

Primary keys are underlined. DNUM is a foreign key that identifies the department to which a faculty belongs. ODNO is a foreign key identifying the department that offers a course.

i. Increment the salary of male faculties with age more than 50 by 10%

ii. Change the column name of salary into 'Faculty salary'.

iii. Display the department name of faculty with highest salary

iv. Display the name of departments offering more than 2 courses

v. Names of departments along with number of courses offered by each of them, in the increasing order of number of courses

(II) Write a Pl/SQL program to check whether the number is Armstrong number or not, using functions

SET 3

I. Create the Tables

EMPLOYEE(Emp_id, Emp_name, Hire_date, Salary,Dept_id)
DEPARTMENT(Dept_id,Dept_name,Manager_id,Location)

In EMPLOYEE table **Emp_id** is the primary key and in DEPARTMENT table **Dept_id** is the primary key. **Dept_id** in EMPLOYEE table and **Manager_id** in DEPARTMENT table are foreign keys. Insert proper values in to the table

i. Increment the salary of most experienced employee by 5000
ii. Create a query to display the departmentid, dept_name, manager name of each department
iii. Write a query that displays the employee id and names and department name of any employees whose second last letter is 'e'
iv. Display name of departments with more than 2 employees.
v. Display the name and salary of all employees managed by Mr.Sundar

II. Write a PL/SQL program to find the sum of digits of a number , using functions

SET 4

Create the following tables and insert values into the tables :

FACULTY(FNO, NAME, GENDER, AGE,SALARY,DNUM)
DEPARTMENT(DNO, DNAME, DPHONE)
COURSE(CNO, CNAME, CREDITS, ODNO)

Primary keys are underlined. DNUM is a foreign key that identifies the department to which a faculty belongs. ODNO is a foreign key identifying the department that offers a course.

i. Rename the column Credits to total credits
ii. List name of faculties along with their department names whose names starts with 'J' and 'N' as third character
iii. Find the average salary of all male faculties in CS department
iv. Find the name of departments offering more than two courses.
v. Find the names of departments offering both DBMS and OS courses

II Write a PL/SQL program to print the five highest paid faculties using cursors