SET 1

1.Create a table “STUDENT” with columns roll number,name,birthdate where roll number should be primary key, name should not be null.

2. Insert some values into it.

3. Create a table customer (cust\_no,lastname, firstname,addi, add2,city, state,pin, birth date,status) where status should be either ‘V’ or ‘I’.

4.View the structure of the table.

5. Insert 10 rows to customer table interctively.

6. Insert into columns custno, lastname, firstname and status some values.

7. View all the rows in customer table.

8. Change everyone’s pin in customer table to 576010 wherever it is 835215.

9. Delete rows of all customers from Karnataka state.

10. Undo the delete operation.

11. Make all other things done as permanent.

SET II

1. Display all records of customer table.
2. Display only first name and last name from customer table.
3. Display records of all students of ranchi city.
4. Display the names of all states from where customers are. The states should be displayed only once.
5. Display all customers who are from Jharkhand and have a status ‘V’.
6. Display all customers of both Jharkhand and bihar.

SET III

1.Sort the customer data in alphabetical order of state(ascending).

2. Sort the customer data in alphabetical order of state (descending).

3.Sort the customer data in order of state and within each state in order of last name.

4. Retrieve all rows from customer table except customer number 1005.

5.Retrieve all rows from customer table of customers who live in a state that starts with a “K”.

6. Retrieve all rows of all customers who live in a state that has the letter “K” in it.

7. Retrieve all customers whose first name has three letters and there is an “R” in the beginning and “J” in the end.

8. Retrieve all records of customers whose customer number is between 1002 and 1005 both included.

9.Retrieve all customers whose city are “Ranchi”, “Udupi”, “patna” or “devghar”

SET IV

1. Create a table student\_address(roll no, name, addr, place. Pin) with roll number as primary key.
2. Create a table studentmarks(roll number, subject,exam date,marks) where roll number is foreign key and if a record is deleted from parent table, all records in dependent table must get deleted.
3. Create a table employee with columns (empno,empname, joindate, join basic). Create another table emp\_salary (empno(foreign key),basic, commission, deduction, salarydate).
4. Display all employee numbers and names whose basic+commission-deduction is greater than 1 lakh.
5. Display the records of all students with their marks and also those students who have no records in the marks file.
6. Clear the screen
7. Show the employee records with headings as “ employee number”, “name” ,” Joining date” and “ Basic”.
8. Display the names of all tables that have been created.

SET V

1.Make use of following functions:

a>abs b>ceil c>floor d>ln e>log f>mod g>power h>round i>sqrt j>trunk

2. Make use of following functions:

Cos,cosh,sin, sinh, tan, tanh

3. make use of following functions:

Initcap, length,substr, instr, greatest, least, to\_char

4. make use of following functions:

Avg,count,max,min sum, stddev, variance,add\_months, last\_day, months\_between, next\_day, to\_date

5. make use of user and sysdate functions

SET VI

1.create a table BIT(ID,NAME, SUPPLIERCODE, DEPOSIT)

2.add a new column pincode to BIT

3. Change the width of pincode to 8.

4. add primary key to ID column of BIT table.

5. drop the primary key.

6. Drop the primary key of a table that has dependent tables.

7. create a table SUPPLIERMASTER(supplier code, supplier name) .

8. add foreign key constraint to supplier code of BIT table.

9. create a table bankmaster(bankcode, bankname).

10. add a new column bankcode to BIT table which is a foreign key of bankmaster table.

11. add a check constraint to BIT table where deposit should be between 20000 and 50000. The constraint should be named as chkdeposit.

12.drop the check constraint.

13.add constraint to bit table with id column as primary key. Give a name to this constraint.

SET VII

1.SUM THE SALARY OF EACH EMPLOYEE FROM THE SALARY TABLE.

2. Sum the salary of each employee and sort it on the sum of basic.

3.do the second question in descending order.

4. display empno, empname and sum(basic) in ascending order.

5.display empno,name, average salary of each employee in ascending order.

6.do the 5th question for employees who have basic greater than 20000.

7.add a new column to the table salary called as department

Display maximum, minimum,average and sum of basic for each department.

1. List employee numbers who earn less than the average salary.
2. Display empnumber, empname from employee where employee is not in marketing department.
3. Display all the employee names who are in sls department.
4. Display all records from employee table where deduction <300.
5. Display salary table records and employee name of employees who had basic less than average salary.
6. Delete from employee all records where deduction =150.
7. Create a table saldup which should be duplicate of salary.
8. Create a table saldup2 which should only have the structure of salary table.
9. Put data into saldup2 of employees of sls department.
10. Update saldup2 setting its basic and commission as sum of basic and sum of commission of employee number1001 of department sls.
11. Display the list of employee names who are also customers.
12. Display all employee names who are not customers.
13. Display the names of all employees and customers.