BACHELOR OF SCIENCE (INFO. & TECH.) Examination

BSCIT Semester - 3 DECEMBER 2024 (Regular) DECEMBER - 2024

CS-18: PRACTICAL BASED ON CS -15, CS -16, CS -17

Faculty Code : 003

Subject Code : 23SI-BSIT-MU-03-03004

Time : 2 Hours]

[Total Marks : 50]

Q.1 Create two classes Rupees and Dollar. Write a program that create objects of both the classes and add one object of Rupees with Dollar (Use friend function).
Note: Consider 1 Dollar = 84.8 Rs.   10

OR

Q.1 Write a C++ program that illustrates multiple constructors.   10

Q.2 Write a program that illustrates virtual function.   10

OR

Q.2 Create a class String. Write a C++ program that overload + operator to concatenate two string objects and == operator to compare two string objects.   10

Q.3 Consider the following tables.

Table Name: EMP

Column Name	Data Type	Size	Attributes
Empno	Numeric	4	Primary Key
Ename	Varchar	10	Not Null
Job	Varchar	9	
Mgr	Number	4	
Hiredate	Date		
Sal	Numeric	7,2	
Comm.	Numeric	7,2	
Deptno	Numeric	2	Not Null // Foreign key references deptno of Dept Table

Table Name: DEPT

Column Name	Data Type	Size	Attributes
deptno	Numeric	2	Primary Key
Dname	Varchar	14	Not Null
Loc	Varchar	13	

Answer the following.

1. Write SQL statement to create both the tables.
2. List all "Manager" and add 100 rupees in each salary.
3. Find those employees whose commission is less than their salary.
4. Find the average salary of each job within department.
5. Display the location of SMITH.

OR

Q.3 Answer the following.   10

1. Create above tables.
2. List all employees and find five percent from each salary.
3. List all employees who are not eligible for receiving commission and are manager.
4. Find those employees whose mgr is 7902, 1582, 9874.
5. List all employees whose jobs are same as ALLEN.

1

Q.4 Answer the following.   10

    1. Write a PL/SQL block that illustrates use of cursor.
    2. Write a PL/SQL block that find the factorial value of the given number.

<div align="center">OR</div>

Q.4 Answer the following.   10

    1. Write a PL/SQL block that illustrates case statement.
    2. Write a PL/SQL block that illustrates use of exception handling.

Q.5 Write down step to create Page and also create a form using HTML.   10

<div align="center">OR</div>

Q.5 Write down step to install advance custom fields plugin and also create custom field in 10 Word Press.