



Seat No. _____

BACHELOR OF COMPUTER APPLICATION Examination
BCA Semester - 3 DECEMBER 2024 (Regular) DECEMBER - 2024

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

Faculty Code : 003

Subject Code : 23S1BCAP-MU-03-03004

Time : 2 Hours]

[Total Marks : 50

Q.1 Create a class Result(rollno, name, and marks of 3 subjects). Write a program that creates 10 objects of Result class and display merit list(Descending order of total). 10

OR

Q.1 Write a program that illustrates memory management operators. 10

Q.2 Write a program that overload unary ++ operator with friend function and binary * operator using member function. 10

OR

Q.2 Write a program that illustrates hybrid inheritance. 10

Q.3 Consider the following tables. 10

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 statements to create both the tables.
2. List all the employees who are not belonging to department number 10,20 and are not "manager".
3. If employee name is "SCOTT" then add 100 Rs. in his salary.
4. How many jobs do we have?
5. List the details of the employees whose salary is more than the employee BLAKE

OR

Q.3 Answer the following. 10

1. Write SQL statements to create above tables.
2. List all the employees who are either "MANAGER" or "CLERK".
3. Change the column heading ename into "Employee Name" and job into "Designation".
4. Find the daily wages of each employee.
5. List the employees who are senior to "KING".

Q.4 Answer the following. 10

1. Write a PL/SQL code that display Fibonacci series. (0, 1, 1, 2, 3, 5, N Numbers)
2. Write a code in PL/SQL to implement a trigger that maintains a transaction history log whenever a row deleted from "EMP" table.

OR

Q.4 Answer the following.

1. Write a PL/SQL code that checks whether the given number is Prime or not.
2. Write a code that illustrates sequence.

Q.5 Write a code to describe use of Custom Post type Widgets Plugin.

OR

Q.6 Write down installation step of woo-commerce plugin and also create custom product page.

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sin 1 to one
mult 1 to many
write many to many

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A = Maths
B = Science
C = Sport
A = friend

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