PAPER - IV : PRACTICALS

NOTE : Students are required to perform all the experiments selecting one from each part.

MARKS DISTRIBUTION

PART - A	**: 20**
PART - B	**: 20**
PART -C (POWERPOINT REPRESNTATION)	**: 10**
VIVA	**: 10**
Two RECORDS (Topic covered Part-A & part-B)	**: 15**

PART - A

Database Examples :

Simple Payroll Program.
Simple Library Management.
Simple Inventory Control Program.
Simple Student Profile Program.

1. SQL Queries Practical based on DDL Commands.
   Create, alter, drop.
2. SQL Queries Practical based on DML Commands.
   Select, update , delete ,Insert.
3. SQL Queries Practical based on DCL Commands.
   Grant, Revoke
4. SQL Queries Practical based on Boolean and comparisons operator related Commands.
5. SQL Queries Practical based on Arithmetic and Aggregate Functions.
6. SQL Queries Practical based on Nested sub queries,set membership, set comparisons , set cardinality.
7. SQL Queries Practical based on selective data from multiple databases.
8. SQL Queries Practical on Create views.
9. SQL Queries Practical based on Arithmetic Function.
10. SQL Queries Practical based on Character Function.
11. SQL Queries Practical based on Date Function.

PART - B

1. Write C++ Program using class and objects.
2. Write C++ Program using Scope resolution operator.
3. Write C++ Program using different types of operators in C++.
4. Write C++ Program using Function Prototype.
5. Write C++ Program using Function Overloading without class and objects.
6. Write C++ Program using Function Overloading using class.
7. Write C++ Program using Default arguments.
8. Write C++ Program using Friend function.
9. Write C++ Program using Inline Function.
10. Write C++ Program using Array of objects.
11. Write C++ Program using Array within class.
12. Write C++ Program using Objects as an Function arguments.
13. Write C++ Program using Function returning objects.
14. Write C++ Program using Nesting of Member Function.

15. Write C++ Program using Nesting of class.
16. Write C++ Program using Static data members.
17. Write C++ Program using Static Member Function.
18. Write C++ Program using New and delete operator.
19. Write C++ Program using Three types of Constructor.
20. Write C++ Program using Order of invocation of constructor and destructor.
21. Write C++ Program using CALL BY REFERENCE.
22. Write C++ Program using Single Inheritance.
23. Write C++ Program to create class hierarchy in which base class have multiple derived classes.
24. Write C++ Program to create class hierarchy in which derived class have multiple base classes.
25. Write C++ Program illustrating the use of abstract classes.
26. Write C++ Program illustrating the use of constructors in derived classes.
27. Write C++ Program using virtual base class.
28. Write C++ Program using pointers to derived classes.
29. Write C++ Program using virtual functions.
30. Write C++ Program using pure virtual functions.

PART - C

Power point presentation on the topics covered in Paper -I , Paper - II ,Paper -III as assigned by the concerned teacher.