1. Write a C++ program to calculate average marks scored by a student for 3 subjects.
2. Write a C++ program to find the area and perimeter of a circle and rectangle.
3. Write a C++ program to swap two numbers.
4. Write a C++ program to generate Fibonacci series.
5. Write a C++ program to perform string manipulation.
6. Find the length of a string. Compare two strings, Concatenate two strings, Reverse a string, copy a string to another location.
7. Write a C++ program to generate Prime numbers between 1 and 50.
8. Write a C++ program to perform matrix addition and multiplication.
9. Write a C++ program to overload a function to calculate volume of cube, cylinder and rectangular box.
10. Write a C++ program to create a function template to swap two numbers.
11. Write a code for swapping of two characters through swap function which shows the functionality of call by reference?
12. Write a program to the functionality of inline function?
13. Write a program to show the use of friend function?
14. Create a student class to read and display data of five students, which has roll number and name of student as data member and read and display as member functions.
15. Write a C++ program to manipulate the class account using classes and function. A user should be able to perform the following functions. a. Deposit money. b. Withdraw money, c. Calculate the interest d. Check the total balance in his account.
16. Create a distance class to show the addition of two distance objects. Class contains two data members feet and inch. Create addition class to add two objects of distance class.
17. Write a C++ program to implement Account class with the data members account number, A/c holder’s Name and Balance, and member function for following operations use constructors to initialize data members..
    1. To Deposit amount
    2. To Withdraw amount
    3. To Transfer amount from one A/c to another.
18. Write a C++ program to create a time class. Implement various constructors for time class. A member function should display the object of time in hour **:** min **:** sec format and a member function to add two objects of time class.
19. Write a C++ program to overload -- operator?
20. Create a date class which has data members day, month, and year. Overload operator ‘++’ to increase date by one and create necessary constructors to initialize members.
21. Write a C++ program to overload ‘+’ and ‘-‘, operators for Complex class i.e. these operators can be used to add and subtract two objects (complex numbers) of complex class.
22. Overload ‘+’ for concatenation of two strings?
23. Write a C++ program to create a class called STUDENT with data members roll number, Name and Age. Using inheritance, create the classes UGSTUDENT and PGSTUDENT having fields as Semester, Fees and Stipend. Enter display the data for at least 5 students.
24. Explain the utility of virtual function through a C++ program?
25. Write a C++ program to implement the following inheritance.

Student

External Exam

Internal Exam

Result