

1a) Write a C++ program to read and display employee details (employee number,name,dobj..etc) using access specifiers and scope resolution operator.

b) Write a C++ program to read and print student details with in the class and outside the class using access specifiers and scope resolution operator.

2a) Write a C++ program to implement static data members and member functions with an example.

b) Write a C++ program to calculate the division of marks obtained by the student using array of objects under given conditions:

I . Percentage above or equal to 60 ? First division

II. Percentage between 50 and 59 ?Second division

III. Percentage between 40 and 49 ? Third division

IV. Percentage less than 40- Fail

3a) Write a C++ program to swap 2 numbers using inline function

b) Write a C++ program find maximum and minimum number using friend function

4a) Write a C++ program to find factorial of a given number using function overloading.

b) Write a C++ program to calculate powers of numbers from 1 to 5 using overloading constructor functions

5a) Write a C++ program to overload unary and binary operators.

b) Write a C++ program to overload special operators

6a) Write a C++ program to calculate gross salary using different types of inheritance under given conditions:

I. If salary is less than 10000 then HRA is 15% of basic salary.

II. If salary is equal to or above 10000 then HRA is 1800 and DA is 80% of basic salary.

b)Write a C++ menu driven program for the following using constructors and destructors.1. prime or not 2. perfect or not 3. palindrome or not

7a) Write a C++ program to convert Fahrenheit to Celsius using virtual functions.

b) Write a C++ program to implement pure virtual functions for decimal hexadecimal, octal values.

8a) Write a C++ program to implement manipulators to formulate I/O.

b) Write a C++ program to implement using own inserters and extractors.

9a) Write a C++ program to read and display text file line by line.

b) Write a C++ program to create a text file using command line arguments

10a) Write a C++ program to sort the given array of numbers using templates.

b) Write a C++ program to handle divide by zero and array size exception using exception handling

11a) Write a C++ program to read and convert the given number using conversion functions.

b) Write a C++ program for expanding the size of vector using vector functions.

12a) Write a C++ program to access vector through an iterator.

b) Write a C++ program to insert and delete elements in an vector.