**Test on C++ Programming**

Q.1 Define Constructor and write any 2 features of Constructor. Make a class Student where student college name should be declared ,in the constructor and take student name and age from user in a function getData() and print all details in showData().

Q.2 What is operator overloading? Write a program to overload / operator and print multiplication of two values in operator function.

Q.3 Explain multiple inheritance with suitable diagram. Write a program to demonstrate the concept of single inheritance.

Q.4 Make a class named as shape in which define a pure virtual function and inherit this class in a class named as Circle. In circle class calculate the area of circle and print the area.

Q.5 What is string? Write a program to create a file named as "employee.txt" where employee details like name ,age and contact is written.