**ODD SET**

**CSE-38-Sessional Question**

**C++**

**Answer any two questions.**

Q1)Write a C++ program to overload `+' operator, to find S1 + S2, where S1 and S2 are two strings. (Hint `+' to be used to concatenate two strings)

Q2)Write a C++ program to find a + b, a — b, a \* b and a/ b, where a and b are two numbers. Implement proper mechanism to handle exception(s) in this program.

Q3) Write a C++ program to create an abstract class shape with method area( ). Derive Circle and Triangle classes from Shape class. Override method area( ) in the derived classes to find the area of respective shapes. Also define appropriate constructors in your program. Make necessary assumptions required.

Q4) Write a C++ program to define Shape class. Derive Circle and Triangle classes from the Shape class. Define method area in Shape class and override it in classes Circle and Triangle to calculate their area. Make necessary assumptions required.