**EVEN SET**

**CSE-38-Sessional Question**

**C++**

**Answer any two questions.**

Q1) Write and execute a C++ program which create a shape class and derive circle and square class from shape class. Define appropriate constructor for all the three classes. Define Find-Area method in shape class and override this method in circle and square classes to find their area.

Q2) Write a C++ program to create Account class and derive Saving-Account class from Account class. Saving-Account class should have one constructor which calls constructor of Account class. Both Account and Saving-Account classes should have their own methods to display account details.

Q3) Write a C++ program to overload `>>' and ‘<<’ operators. (Extraction and Insertion Operator)

Q4) Write a C++ program to create an Account class to manage bank account. Define proper constructor and destructor for this class. Also define a friend function display-account-detail ( ) to display account balance, account number and account holder name of the object created using Account class.

Q9) Write a C++ program to create an Array class. This class should have array of integers as its data member. Define appropriate constructor and destructor for this class. Define method Find\_Element( ) to find a given value in Array object. Define method Average( ) to find the average of array elements in the Array object.