

### Object Oriented Programming

### Assignment # 02

### Please read the following instructions carefully before submitting the assignment.

### It should be clear that your assignment will not get any credit if the assignment is copied (partial or full) from any source (websites, forums, students etc.).

### Put your compete source code in a word file with output screen shot and upload it on LMS.

**Question: Marks 15**

Write a class ***Number*** that contains two data members (int type) and a parameterized constructor that can work as parameter less constructor as well. You need to overload all unary (increment, decrement) and binary (arithmetic, relational and compound assignment) operators in this class. You are also required to follow the following instructions as well:

* For all operator overloaded functions which are returning object of type ***Number***, you have to return it as nameless temporary object.
* For all binary operators, you have to create const object in parameter of operator functions and pass them by reference to save memory consumption.