**Deparment of Computer Applications**

**18MX26 Object Oriented Programming Laboratory**

**Home Work Problems**

**Concept: Introduction to Friends , Constructor**

**Programming Exercise:**

**Make sure to keep all data members as private.**

1. **Do the following:**
2. Modify your stack class created ( with member functions mystack(),push(),pop(),peek()) in previous exercises to have the following:
3. Proper default constructor, parameterized constructor,copy constructor.
4. Make the disp(), peek() as constant member functions
5. Declare Queue::insertfromStack(Stack) member function as friend to this stack class.
6. Create a class Queue with necessary data members and all types of constructors. Also include member function like,

Queue insertfromStack(Stack X) that returns a Queue by inserting elements from Stack object by using pop function on stack object X.

Write a proper C++ program to create a stack object using parameterized constructor.

Create a Queue object by copying the queue returned from the insertfromStack function call.

Display the contents of both stack and queue objects in a neat form.

**To be completed before 21.02.2020**