MCA 1st SEMESTER
Object Oriented Prog. Methodology
PRACTICAL SHEET : S3

Submission : 28th January, 3.00 Pm.

1. Create classes point, line, rectangle and use dynamic polymorphism to provide support for various operations like insert, delete etc.
2. Demonstrate the use of "this" pointer.
3. Overload the new operator stating its advantages.
4. Give a meaningful example to overload the assignment operator.
5. Write a program to create your own manipulator.
6. Implement template class "Stack" with all operations.
7. Implement template class "Binary Tree" with all operations.
8. Overload the + operator for linked list and insert the node at the appropriate position (in sorted order of any field).
9. Use the program of problem no. 8 to store the data in a data file. Give appropriate options for data manipulations.
10. Write a program to design a class having static member function named showcount() which has the property of displaying the number of objects created of that class.
11. Implement data files for storing information permanently for problems 1,6 & 7.