

Name of the Student:

Roll No.:

Stream: B.Tech (CSE) Semester: 3RD Sec: A(Gr. 1/2)

**Heritage Institute of Technology**  
**B.Tech (CSE) 3RD Semester**  
**Paper: Object-oriented Programming Lab (CSEN2113)**  
**Assignments on C++**

**Day 2**

1. Do the previous day's 3<sup>rd</sup> and 4th programs using a class instead of the structure.
2. Write a C++ program to overload the Area method with the following specification:
  - a. Area(int) :- to calculate area of square
  - b. Area(int,int) :- to calculate area of rectangle
  - c. Area(float) :- to calculate area of circleMake the program menu based.
3. Create class student (Name, roll, marks of three subjects, input method and display method).  
Using concept of array of objects accepts 5 students' data in main method.  
Display the information of topper who scored highest marks in class, using a function max which takes only an array as an input.
4. Implement stack and queue using class.