SRM UNIVERSITY, KATTANKULATHUR
Faculty of Engineering and Technology
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CYCLE TEST-I
15SE102J-OBJECT ORIENTED PROGRAMMING
SET-A

Year & Semester: II/III

Time: 8.00AM-8.50AM

Date: 5-8-16

Max. Marks: 25

PART-A (3X4 = 12 Marks)
Answer ANY THREE Questions

1. Develop a C++ program to find the largest element of a one dimensional array. (4)
2. Identify appropriate data types (any 5) available in C++ and mention a C++ program to find the size of various data types. (4)
3. Construct a C++ program to swap the value in two different variables without using temporary variable. (4)
4. Predict the output of following programs? (4)

   a) int x = 10,y;
      y = x + x++;
      cout << y;

   b) int x = 10,y;
      y = ++x + x++ + x;
      cout << y

PART-B (1 x 13 = 13 Marks)
Answer ANY ONE Question

1. (a)Illustrate any five characteristics of Object oriented programming language (6)
1. (b) Declare a structure to represent a complex number (a number having a real part and imaginary part). Write C++ functions to add, subtract, multiply and divide two complex numbers. (7)

(or)

2. (a) Exemplify the following looping with syntax and example : (8)
   i) While ii) Do while iii) For
2. (b)Construct the C++ program using Recursion concept (5)