Philadelphia University

Faculty of Engineering

Student Name:

Student Number:

Dept. of Computer Engineering
Third Quiz, First Semester: 2010/2011

Course Title:	Algorithms and Data Structures	Date:	16/01/2011
Course No:	630231	Time Allowed:	10 minutes
Lecturer:	Dr. Qadri Hamarsheh	No. Of Pages:	1

Information for candidates
1. *This Quiz paper contains 1 question totaling 5 marks*
2. *The marks for parts of question are shown in round brackets.*

Advices to candidates
1. *You should attempt all sub questions.*
2. *You should write your answers clearly.*

<u>*Question 1*</u>   *(5 marks)*

a) Write a member function (using template) for the **BinarySearchTree** class that returns the node containing the smallest element in the tree.

b) Write a member function (using template) for the **BinarySearchTree** class that returns the node containing the largest element in the tree.

Hint: in both a and b sections you must use the recursion algorithms.

GOOD LUCK