## CS2413: Data Structures Fall 2021

## Homework #1

<ul> <li>Full name only:</li></ul>	
I. Explain the meaning of the expression, $f(n)$ is $O(1)$ . [3	pts]
2. Analyze the running time and find the computational complexity (Big-Oh will do) of the following of Show all your work.	pts]
3. Order the following functions by growth rate. $\label{eq:2n} 2^n  I500  n\lgn \qquad n^3  \lgn$	pts]