Department of Mathematics

Ahmadu Bello University, Zaria

**2014/2015 First Semester Assignment 1**

**COSC 803: Advanced Computer Algorithms**

**Date Issued**: June 26, 2015 **Due Date**: July 3, 2015

**Instructions**:

1. Attempt all the following questions.
2. You should do these questions in groups of not more than five students.
3. The Assignment is meant to provide practice for students’ preparation towards tests and examinations.
4. The questions are from “Introduction to the Design & Analysis of Algorithms”, 3rd Editiion by Analy Levitin, Pearson Education, Inc. Upper Saddle River, NJ, 2002.

# Chapter 1

## Exercise 1.1

Question 5.   
Question 9.  
Question 12

## Exercise 1.2.

Question 1.

## Exercise 1.3.

Question 1.  
  
Chapter 2

## Exercise 2.1

Question 9.  
  
**Exercise 2.2.**  
  
Question 3.  
Question 5.  
  
**Exercise 2.3.**  
  
Question 1.  
Question 4.  
Question 5.  
Question 6.