Department of Mathematics

Ahmadu Bello University, Zaria

**2014/2015 First Semester Assignment 3**

**COSC 803: Advanced Computer Algorithms**

**Date Issued**: August 3, 2015 **Due Date**: August 7, 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 Three  
  
**Exercise 3.5, Page 128.**  
  
Questions 1 and 4

Chapter Four

**Exercise 4.1, Page 136**  
Questions 1 and 10  
  
**Exercise 4.2**  
Questions 1 and 5.  
  
**Exercise 4.3, Page 148.**  
  
Questions 2,3,4 and 5

**Note**: Test 3 will cover Exercises 4.1 to 4.3