**CSC 332 – Advance Data Structures and Algorithms**

**Homework 2 (100 pts)**

Assigned: 02/07/2023

Due Date: 02/14/2023

**! IMPORTANT!**

**Everything in your solutions needs to be typed; otherwise your solutions will NOT be graded.**

***(Attention: In your solution, do not change the original layout or delete any contents in this file.)***

* **Only one electronic submission is required for each group.**
* **The electronic solution should be named “CSC-332-HW-2-Solution-Group-x-Aaa-Bbb-Ccc.doc(x)”**

**(Aaa, Bbb, and Ccc stand for the last name of each group member and are sorted in an ascending order).**

* **Do not forget to fill in corresponding information in the Header section.**

[Group member contribution]

Miguel Gapud 1: 100% Miguel Gapud

Abram Miller 2: 100% Abram Miller

Justin Petry 3: 100% Justin Petry

Use the Master Theorem to solve the following recurrence equations. DETAILED steps and proof are required.

(30 pts)

(30 pts)

(40 pts)