

CS 451/551 Midterm

Date: Mar 23, 2016

Max Points: 100

Open book, open notes. No electronic devices

90 Minutes

Please justify all your answers.

Important Reminder As per the course Academic Honesty Statement, cheating of any kind will minimally result in receiving an F letter grade for the entire course.

1. Discuss how you would write a particular program. It is sufficient to provide a detailed description, actual code is not required. *20-points*
2. Describe the effect of some code. *15-points*
3. Describe what happens under various conditions. Please remember to justify your answers. *15-points*
4. List bugs and inadequacies in a given program. You may assume that all required header files have been included. *15-points*
5. Write a function with the given specification. You need not show the inclusion of required header files. *20-points*
6. Discuss the validity of the following statements: *15-points*
 - a)
 - b)
 - c)
 - d)
 - e)