CMSC140 Midterm Review

You must take the exam in one of the MC assessment centers between March 6 and March 12.

You will find the exam under assignments, and open it, and then the assessment center will put in the password.

You will have 60 minutes and may not use any notes, books, or any internet pages other than Blackboard.

You may only take the exam once. You may notice it says multiple attempts. This is ONLY so that you can restart the exam if the system crashes while you are taking the exam.

The midterm exam covers chapters 1-4: C+ basics, variables, expressions and interactivity, *Boolean expressions in if/else statements, logical operators && (and) || (or) ; conditional operator ?; and the switch block.*

There are 20 questions, total 100 points

Questions 1-13:Multiple Choice. These questions involve: (3 or 4 points each)

- Tracing through code to see what the output or value of a variable will be after the program runs.
- Selecting the correct statement to perform an action
- Evaluating Boolean expressions
- Understanding of terms such as constant, literal, character, string, etc.
- Determine that the code has an error.

Question 14: Fill in the blank: Trace through code to determine the final value of a variable. (5 points)

Questions 15-20: Essay questions:

- Convert if/else if statement into a switch statement. (7 points)
- Write the if/else statement as the conditional expression that performs the same option.(7 points)
- Write a complete C++ program that asks user for input, performs a calculation of comparison and outputs the result. (10 points)
- Write a cout statement so that a variable is displayed in a specific format (width and number of decimal places.) (6 points)
- Write an if/else statement that assigns a value to a variable, or produces output based on the comparison. (7 points)
- Write nested if statements that assigns a value to a variable, or produces output based on the comparison. (7 points)