SAIL: Assignment 5

Student Name: Grader Name:

Student UIN: Grader UIN:

Reading Assignment: C++ Primer, 5th edition

- Chapter 5 – Statements

True or False:

1. **0.5 pt** – In a switch statement, it is illegal to jump from a place where a variable with an initializer is out of scope to a place where that variable is in scope.

2. **0.5 pt** – Variables defined in a while condition or while body are created and destroyed on each iteration.

Short Questions:

1. **1 pt** – When is a compound statement useful?

2. **1 pt** – Describe the execution of the while statement.

3. **1 pt** – List four jump statements offered present in C++.

4. **1 pt** – What are exceptions?

5. **1 pt** – For the exception types that require a string initializer, what is returned by the what member function?

Programming Challenge:

1. White a program that reads two integers from the standard input and prints the results of dividing the first number by the second one. The program should throw an exception if the second number is zero. Use a try block to catch the exception. The catch clause should print a message to the user and ask them to supply new numbers.

2. Implement your application in C++.

3. Commit your code as a project in a directory labeled Cpp and under project name Code5.