INST 346: Technologies, Infrastructure and Architecture Quiz 7, March 28, 2018

Instructions:

This is a 7 minute quiz, starting promptly at 1:43 and ending promptly at 1:50. Using a writing instrument (pen or pencil) for any purpose after time ends would constitute academic dishonesty. You may use any resources (Web, readings, class notes, class slides) that existed before the start of this quiz. You may not communicate with or receive information from any other person (including the instructor) during the quiz. If you have difficulty interpreting a question, briefly describe that difficulty and any assumptions that you have made to allow you to answer the question and we will consider what you have written when grading your quiz. Answer all questions. A maximum of 1 point is available.

- 0. (0 points) What is your name?
- 1. (0.5 points) Explain why the Secure Sockets Layer (SSL) must negotiate a public key cryptographic algorithm. Said another way, explain why all SSL clients and servers can't simply use the same public key cryptographic algorithm all the time.

2. (0.5 points) Explain why SSL uses a symmetric key cryptographic algorithm in addition to the public key cryptographic algorithm that it negotiates.

Please **hand write and sign** the honor pledge on this quiz. (For reference, the honor pledge (described at http://shc.umd.edu/SHC/HonorPledgeUse.aspx) is: "I pledge on my honor that I have not given or received any unauthorized assistance on this quiz.")