

**INST 346: Technologies, Infrastructure and Architecture**  
**Quiz 6, March 14, 2018**

**Instructions:**

This is a 5 minute quiz, starting promptly at 1:45 and ending promptly at 1:50. You may use any resources (Web, readings, class notes, class slides) that existed before the start of this quiz. You may not communicate with 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. (1 point) Answer all three parts of this question.
  - a. Briefly state the purpose of the Internet's network layer
  
  - b. Briefly state the purpose of the Internet's transport layer
  
  - c. Give at least one reason why these are divided into two layers and not done together in a single layer.

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.")