

CNT 4419 Quiz 1/29/25 (20 minutes) NAME: \_\_\_\_\_

Instructions: This quiz is 2 pages. Each short-answer/essay problem provides a suggested response length. Do not exceed the suggested response length. Respond as discussed in class and in the course syllabus. For “compare and contrast” problems, be sure to do both, i.e., compare and contrast. As always, this quiz is closed everything, including notes, phones, smart devices, and other students.

1. [2 points] Which IDS policies did we discuss in class? [2 sentences]

2. [1 point] In the instructor’s opinion, what is the biggest practical challenge in computer security? [1 sentence]

3. [2 points] Compare and contrast quantitative and qualitative security policies, at the level of detail discussed in class. Focus only on the main, relevant points discussed in class. [2-3 sentences]

4. [3 points] Define policies P1 and P2, then explain at a high level (intuitively) why P1 is not a property, and finally, prove that P2 is a property. [2 policy definitions and 2 short paragraphs]

5. [2 points] Make an imperfect analogy, as we did in class, between the 3 branches of US government and basic principles of computer security. [1-3 sentences]