

Assignment 3—Chapters 4-7

CptS 425/580—Network Security

Assigned: 31 January 2007

Due: 7 February 2007, 4:15pm

Explain and/or justify all of your answers. Short answers are sufficient, but one-word (e.g., ‘yes’, ‘no’) answers will not receive full credit. State any assumptions that you make. Turn in a printout of your assignment and also email an electronic copy to the instructor.

Chapter 4

Answer the following questions from the Exercises (pgs 59-60).

15 Pts Question 4.3

15 Pts Question 4.4

Chapter 5

15 Pts What is (are) the primary goal(s) of all “Confidentiality Policies”?

10 Pts Write a Confidentiality Policy that could be applied to this course.

15 Pts Answer Question 5.2 from the Exercises (pg. 71)

Chapter 6

15 Pts What is (are) the primary goal(s) of all “Integrity Policies”?

15 Pts List and define three principles that guide the operation of most/all integrity policies.

10 Pts Write an Integrity Policy that could be applied to this course.

Chapter 7

10 Pts What are “Hybrid Policies” and why are they needed?

15 Pts What are RBAC policies?

10 Pts Write an ORCON policy that could be applied to this course.