Assignment 4—Chapters 3 & 4
CptS 427/527—Network Security
Assigned: 27 February 2008
Due: 3 March 2008, 4:15 pm

Explain and/or justify all of your answers. Short answers are sufficient, but ‘Yes’/’No’ answers
will not receive full credit. If you make any assumptions, please state them.

Chapter 3
Answer the following questions from the Exercises (pgs 185-187).
10 Pts  Question 3.4
10 Pts  Question 3.5
10 Pts  Question 3.9

Answer the following two questions.
10 Pts  List and define three non-malicious program errors.
10 Pts  Define the terms Virus, Worm, and Trojan Horse.

Chapter 4
Answer the following questions from the Exercises (pgs 239-241).
5 Pts   Question 4.3
10 Pts  Question 4.16
10 Pts  Question 4.25

Answer the following three questions.
5 Pts   Why is proper user authentication important?
10 Pts  List and provide examples of four qualities that can be used to authenticate users.
10 Pts  Name two key Kerberos services/servers and their key role/purpose.