ITBU 313: Introduction to Cyber Security, Homework 04

Chapter 16, *Computer Security, Principles and Practices*

Readings

Read chapter 16 in the *Computer Security, Principles and Practices* book.

Discussion Questions

Answer the discussion questions in writing.

1. What are the three elements of information system security, as described in this chapter?

2. Physical security has two complementary components. What are they?

3. The book discusses natural disasters and environmental threats. How would you explain the difference between them to your grandmother?

4. Describe the potential effects that may occur from (a) undervoltage, (b) overvoltage, and (c) voltage noise.

5. How does EMI occur? This is not in the book.

6. List the four threat categories of human caused threats.

7. What is a UPS? What is the difference between a UPS and a surge protector? What is a solution when a UPS does not provide sufficient protection from electrical outages?

8. What are the implications of Wi-Fi, in terms of physical security? Be specific.

9. The book states that the "most essential element of recovery from physical security breaches is" . . . what? (Fill in the blank.) Why?

10. What is a *hot site*?

11. Describe the purpose and the components of the *PIV front end subsystem*.

12. Describe the purpose and the components of the *card issuance and management subsystem*.