

Name: _____

1. What is the C.I.A. triad? Explain.

2. What is ITU-T? What is OSI? What is ITU-X.800?

3. What three aspects of data security does ITU-X.800 consider?

4. What is the difference between an active and a passive attack?

5. Why are passive attacks difficult to detect?

6. What security services does X.800 consider?

7. What security mechanisms does X.800 consider?
8. Describe the relationship between X.800 security services and mechanisms.
9. Describe the basic model for network security?
10. What is the difference between OSI and TCP/IP models?
11. Encryption services in the presentation layer of the OSI model, would likely be implemented in the _____ layer of the TCP/IP model.
12. Why is classifying data important for organizations? How does data classification relate practical applications of cryptography?
13. **CISSP Certification Practice Question:** When building a data classification scheme, which of the following is the PRIMARY concern?
 - a. Purpose
 - b. Cost Effectiveness
 - c. Availability
 - d. Authenticity

- 14. CISSP Certification Practice Question:** What is the primary purpose of data classification?
- a. It quantifies the cost of a data breach
 - b. It prioritizes IT expenditures
 - c. It allows compliance with breach notification laws
 - d. It identifies the value of the data to the organization
- 15.** What is the ISC² approach for classifying the data?
- 16.** What is FIPS-140 standard?
- 17.** Explain how the U.S. government/military classify data. To what type of data does FIPS-140 apply?
- 18.** Explain how the commercial/private sectors classify data.
- 19.** What is the current version of the FIPS-140 standard?

- 20.** Does compliance with FIPS-140 guarantee the security of the module in question? Explain.
- 21.** What 11 areas does FIPS-140 apply to?
- 22.** What are the levels of FIPS-140? What level is the least/most secure.
- 23.** I am shopping for a cryptographically protected drive that is resistant to physical tampering. What FIPS-140 compliance level should I be looking for?
- 24.** I now need a cryptographic device that has very strict physical security specifications. What would be the best FIPS-140 category for this?

Additional Practice Questions to Test Your Understanding

- 25. Deloitte/U.S. Army Interview Question:** What is the CIA triad of cyber security, and describe the meaning of each?

- 26. Interview Question:** What is the goal of information security within the organization?
- 27. Security+ Certificate Question:** This is the model designed for guiding the policies of Information security within a company, firm or organization. What is “this” referred to here?
- a. Confidentiality
 - b. Non-repudiation
 - c. CIA Triad
 - d. Authenticity
- 28. Security+ Certificate Question:** CIA triad is also known as _____
- a. NIC (Non-repudiation, Integrity, Confidentiality)
 - b. AIC (Availability, Integrity, Confidentiality)
 - c. AIN (Availability, Integrity, Non-repudiation)
 - d. AIC (Authenticity, Integrity, Confidentiality)
- 29. CISSP Certificate Practice Question:** Which of the following is a principle of the CIA Triad that means authorized subjects are granted timely and uninterrupted access to objects?
- a. Identification
 - b. Availability
 - c. Encryption
 - d. Layering
- 30. CISSP Certificate Practice Question:** What does the last “D” in the DAD triad stand for?
- 31. CISSP Certificate Practice Question:** Which of the following is not considered a violation of confidentiality?
- a. Stealing Passwords
 - b. Eavesdropping

- c. Hardware Destruction
- d. Social Engineering

32. CISSP Certificate Practice Question: Which of the following is not true?

- a. Violations of confidentiality include human error
- b. Violations of confidentiality include management oversight
- c. Violations of confidentiality are limited to direct intentional attacks
- d. Violations of confidentiality can occur when a transmission is not properly encrypted

33. Interview Question: Why should you care about the OSI Reference Model?

34. Interview Question: Which OSI layer controls application to application communication?