

## Sample Test for CSC459

- Question 1. What are the 3 views of Security?
- A) Defense, Offense, and Detection
  - B) Control, Deterrence, and Integrity
  - C) Defense, Deterrence, and Detection
  - D) Defense, Auditing, and Authorization
  - E) Confidentiality, Integrity, Availability

Correct Answer is: c.

- Question 1. The process of mutual authentication involves \_\_\_\_\_.
- A) A user authenticating to a system and the system authenticating to the user
  - B) A user authenticating to two systems at the same time
  - C) A user authenticating to a server and then to a process
  - D) A user authenticating, receiving a ticket, and then authenticating to a service

Correct Answer is: a.

- Question 2. Spoofing can be described as which of the following?
- A)Eavesdropping on a communication link
  - B)Working through a list of words
  - C)Session hijacking
  - D)Pretending to be someone or something else

Correct Answer is: d.

- Question 3. If a company has a high turnover rate, which access control structure is best
- A)Role based
  - B)Decentralized
  - C)Rule based
  - D) Discretionary

Correct Answer is: a

- Question 4. Which best describes authentication
- A)Registering a user
  - B)Identifying a user
  - C)Validating a user
  - D)Authorizing a user

Correct Answer is: c

- Question 5. Which is the most important item when it comes to ensuring that security is successful in an organization
- a)Senior management support
  - b)Biometric based smartcards for building access
  - c)Internal web access to policies and procedures
  - d)Centralized management of anti-virus on all desktop machines

Correct Answer is: a

Question 6. Which of the following best describes a value-"role based access control" offers companies in reducing administrative burdens

- a)It allows users to change access rights whenever they want.
- b)It ensures secure communication between computers.
- c)User membership in roles can be easily revoked and new ones established as job assignments dictate.
- d)enforces an enterprise-wide security policy, standards, and guidelines.

Correct Answer is: c

Question 7. An access control model should be applied in a \_\_\_\_\_ manner

- a)Detective
- b)Recovery
- c)Corrective
- d)Preventive

Correct Answer is: d

Question 8. A password is mainly used for what function?

- a)Identity
- b)Registration
- c)Authentication
- d)Authorization

Correct Answer is: c.

Question 9. What is the primary purpose of using one-way hashing on user passwords?

- a)Minimizes the amount of primary and secondary storage needed to store passwords
- b)Prevents anyone from reading passwords in plaintext
- c)Avoids excessive processing required by an asymmetric algorithm
- d)Prevents replay attacks

Correct Answer is: b.

Question 10. Which three security protocols operate at layer 4 and which transport layer protocols they can be used with?

- a)TLS/SSL with UDP, DTLS with TCP, SSH with UDP
- b)IPsec with TCP, PGP with UDP, SET with TCP
- c)TLS/SSL with TCP, DTLS with UDP, SSH with TCP
- d)SET with TCP, PGP with UDP, SSL with TCP

Correct Answer is: c.

Question 11.

When should security first be addressed in a project?

- A)During requirements development.
- b)During integration testing.
- c)During design specifications.
- d)During implementation.

Correct Answer: A

Question 12. The first phase of risk management is \_\_\_\_.

- a. risk identification
- b. design
- c. risk control
- d. risk evaluation

Question 13. Bit stream methods commonly use algorithm functions like the exclusive OR operation (\_\_\_\_).

- a. XOR
- b. EOR
- c. NOR
- d. OR

Question 14. \_\_\_\_ functions are mathematical algorithms that generate a message summary or digest to confirm the identity of a specific message and to confirm that there have not been any changes to the content.

- a. Hash
- b. Map
- c. Key
- d. Encryption

Question 15. \_\_\_\_ is an integrated system of software, encryption methodologies, protocols, legal agreements, and third-party services that enables users to communicate securely.

- a. MAC
- b. PKI
- c. DES
- d. AES

12. ANS: A

13. ANS: A

14. ANS: A

15. ANS: B

