

Name: _____ Period: _____ Score: _____ /11 Points

Cyber Security 1-1 Intro to Security Concepts Worksheet

Directions: Write the correct letter in the blank to the left of each question. Invalid or unreadable letters will be marked wrong. The letter you write is the answer that will be graded. Any unanswered questions will be marked as incorrect.

_____ 1. The main goal of computer security is known as:

- A. Prevention only
- B. Detection only
- C. Protection
- D. Response

_____ 2. In the security model equation, which action occurs while a system is running?

- A. Prevention
- B. Detection
- C. Response
- D. Protection

_____ 3. The CIA Triad stands for:

- A. Central Intelligence Agency
- B. Confidentiality, Integrity, Availability
- C. Control, Inspect, Access
- D. Cybersecurity, Information, Assets

_____ 4. Which CIA principle ensures data is only accessible to authorized users?

- A. Integrity
- B. Availability
- C. Confidentiality
- D. Authentication

_____ 5. Which CIA principle protects against unauthorized modification of data?

- A. Availability
- B. Confidentiality
- C. Encryption
- D. Integrity

_____ 6. Data stored on a hard drive or USB is considered:

- A. Data in Use
- B. Data in Transit
- C. Data at Rest
- D. Active Data

_____ 7. Data being transferred across a network is called:

- A. Data at Rest
- B. Data in Use
- C. Data in Transit
- D. Stored Data

_____ 8. Which example represents a loss of confidentiality?

- A. Website outage from traffic overload
- B. Corrupted database file
- C. Stolen data released to the public
- D. Server hardware failure

_____ 9. A Distributed Denial of Service (DDoS) attack primarily impacts:

- A. Confidentiality
- B. Integrity
- C. Availability
- D. Encryption

_____ 10. Which organization created the Cybersecurity Framework mentioned in this unit?

- A. NSA
- B. FBI
- C. NIST
- D. CIA

_____ 11. Which of the following best describes availability?

- A. Keeping data secret
- B. Preventing data changes
- C. Ensuring authorized access when needed
- D. Encrypting stored files