

Cybersecurity Fundamentals Quiz Instructions: Select the best answer(s). Multi-select where noted.

SQL injection primarily exploits: (

- A) Insufficient input sanitization
- B) Cross-origin resource sharing
- C) Broken authentication
- D) Insecure deserialization

(Multi-select) Common symmetric encryption algorithms are: (

- A) AES
- B) RSA
- C) DES
- D) ECC

The CIA triad stands for: (

- A) Confidentiality, Integrity, Availability
- B) Compliance, Investigation, Audit
- C) Control, Identification, Authentication
- D) Confidentiality, Identification, Authorization

A zero-day vulnerability is: (

- A) Disclosed but unpatched
- B) Known for over 30 days
- C) Patched but publicly unknown
- D) Under active exploit with a patch available

(Multi-select) Multi-factor authentication factors include: (

- A) Something you know
- B) Something you have
- C) Something you are
- D) Something you want

- A firewall operating at OSI layer 7 is called an:
- 1 (
 - A) Packet-filtering firewall
 - B) Stateful inspection firewall
 - C) Application firewall
 - D) Network address translation device

- The principle of least privilege means:
- (
 - A) Users get maximum permissions
 - B) Assign only the permissions necessary to perform tasks
 - C) Segregate duties
 - D) Elevate privileges during incident response
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