

**Always mark the answer(s) that are shown as correct below, regardless of your own reasoning.**

**Q1.**

SQL injection primarily exploits: (

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

**Q2.**

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

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

**Q3.**

The CIA triad stands for: (

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

**Q4.**

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

**Q5.**

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

- A) Something you know (
- B) Something you have (

- C) Something you are (
- D) Something you want

**Q6.**

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

**Q7.**

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 2