

# Computer Security: Quiz 1 – Introduction

This quiz contains five questions plus an honor pledge. Choose the best answer for each question. in the time allotted.

**The quiz is to be completed individually with no consultation with anyone. You may access your notes.**

1 0 points

On my honor, I have neither received nor given any unauthorized assistance on this examination.

*Suspected violations will be reported to the Office of the Senior Vice President for Academic Affairs.*

- ☒ True
- ☐ False

2 2 points

In the CIA Triad, integrity does NOT deal with:

- ☐ Preventing unauthorized people from accessing data.
- ☒ Properly validating users who want to access data.
- ☐ Ensuring that the software is functioning correctly.
- ☐ Ensuring that data is not accidentally modified.

3 2 points

Asymmetric force for attacks is possible because:

- ☒ Some systems have a bigger attack surface than others.
- ☐ Many organizations use very old computers.
- ☐ Attackers can steal control of a huge number of computers to launch attacks.
- ☐ Some systems have more vulnerabilities than others.

4 2 points

A ransomware attack on a computer system is an example of:

- ☐ Exfiltration.
- ☐ Vulnerability.
- ☐ Denial of service.
- ☒ An exploit.
- ☐ Asymmetric force.

5 2 points

Stuxnet did *NOT* show that:

- ☐ Identifying actors behind a cyber attack can be difficult.
- ☐ A cyber attack can destroy real devices.
- ☒ Even small nations can launch effective cyber attacks.
- ☐ Cyber attacks may reach into air-gapped systems not on the Internet.

6 2 points

A program with a large *attack surface* will:

- ☒ Provide the adversary with many different ways to try to attack the system.
- ☐ Be less likely to be impacted by a denial of service (DoS) attack.
- ☐ Contain a large number of vulnerabilities.
- ☐ Be at risk of attacks by malicious insiders.