

Quiz 8

Due Feb 19 at 11:59pm

Points 15

Questions 9

Available Feb 18 at 12pm - Feb 19 at 11:59pm

Time Limit 30 Minutes

Instructions

Quiz 8 covers MOs 1,2,3,5,6,7,8,9,10,11 in Module 5:

- MO 1. Define vulnerability and exploit (CO 7)
- MO 2. Identify buffer overflow, SQL injection, and XSS, and how they can be useful to an attacker (CO 7)
- MO 3. Name some types of the vulnerabilities by the RISOS project (CO 7)
- MO 5. Define formal verification (CO 7)
- MO 6. Define penetration testing and outline the steps in the Flaw Hypothesis Methodology (CO 7)
- MO 7. Define malware and name common types of malware (CO 7)
- MO 8. Identify how a virus works (CO 7)
- MO 9. Identify how a worm works and how to analyze its propagation (CO 7)
- MO 10. Identify characteristic elements of a virus and worm (CO 7)
- MO 11. Identify characteristic elements of static malware analysis and dynamic malware analysis (CO 7)

This quiz covers:

1. Vulnerability analysis
2. Attacks and malicious logic

This quiz is no longer available as the course has been concluded.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	11 minutes	15 out of 15

! Correct answers are hidden.

Score for this quiz: **15** out of 15

Submitted Feb 18 at 12:13pm

This attempt took 11 minutes.

Question 1

2 / 2 pts

Which of the following is NOT a kind of vulnerability under the RISOS classification?

- ☐ Implicit sharing of privileged/confidential data
- ☐ Asynchronous validation/inadequate serialization
- ☒ Red team attack
- ☐ Exploitable logic error
- ☐ Incomplete parameter validation

Question 2

2 / 2 pts

Time of check to time of use (TOCTTOU) flaws are an example of

- ☐ Inadequate Identification / Authorization / Authentication
- ☐ Implicit Sharing of Privileged / Confidential Data
- ☐ Inconsistent Parameter Validation
- ☒ Asynchronous validation/inadequate serialization

Question 3

1 / 1 pts

True or false: a virus can propagate on its own.

☐ True

☒ False

Question 4

2 / 2 pts

The following are types of malware except for

☐ Spyware

☒ Firmware

☐ Trojan horse

☐ Worm

☐ Virus

Question 5

2 / 2 pts

The following are phases of virus except for

☐ Dormant phase

☐ Action phase

☒ Shrinking phase

☐ Triggering phase

Question 6

2 / 2 pts

Which of the following is NOT a kind of vulnerability?

- ☒ Denial of service
- ☐ Cross site scripting (XSS)
- ☐ Buffer overflow
- ☐ SQL injection

Question 7

2 / 2 pts

Which of the following is true about malware analysis techniques?

- ☐ Static analysis lets the malware run and sees what it does
- ☐ Dynamic analysis checks the malware code without trying to execute it
- ☐ Static analysis often uses a virtual sandbox
- ☒ Dynamic analysis often monitors file changes made by the malware

Question 8

1 / 1 pts

True or false: worms propagate by finding and infecting vulnerable hosts.

- ☒ True
- ☐ False

Question 9

1 / 1 pts

True or false: A rootkit can modify file system exploration utilities to hide its existence.

☒ True

☐ False

Quiz Score: **15** out of 15