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Calendar

Cisco Cybersecurity Essentials

Started on	Friday, 17 November 2023, 10:38 AM
State	Finished
Completed on	Friday, 17 November 2023, 11:38 AM
Time taken	1 hour
Grade	54.00 out of 100.00

Question **1**

Correct

Mark 2.00 out of 2.00

A penetration testing service hired by the company has reported that a backdoor was identified on the network. What action should the organization take to find out if systems have been compromised?

Select one:

- ☐ Scan the systems for viruses.
- ☒ Look for unauthorized accounts. ✓
- ☐ Look for usernames that do not have passwords.
- ☐ Look for policy changes in Event Viewer.

Refer to curriculum topic: 3.1.1

A cybersecurity specialist needs to be familiar with the characteristics of the different types of malware and attacks that threaten an organization.

The correct answer is: Look for unauthorized accounts.

Question **2**

Correct

Mark 2.00 out of 2.00

Alice and Bob are using a digital signature to sign a document. What key should Alice use to sign the document so that Bob can make sure that the document came from Alice?

Select one:

- ☐ username and password from Alice
- ☒ private key from Alice ✓
- ☐ private key from Bob
- ☐ public key from Bob

Refer to curriculum topic: 5.2.2

Alice and Bob are used to explain asymmetric cryptography used in digital signatures. Alice uses a private key to encrypt the message digest. The message, encrypted message digest, and the public key are used to create the signed document and prepare it for transmission.

The correct answer is: private key from Alice

Question **3**

Correct

Mark 2.00 out of 2.00

What is an impersonation attack that takes advantage of a trusted relationship between two systems?

Select one:

- ☐ sniffing
- ☐ spamming
- ☒ spoofing
- ☐ man-in-the-middle



Refer to curriculum topic: 3.3.1

A cybersecurity specialist needs to be familiar with the characteristics of the different types of malware and attacks that threaten an organization.

The correct answer is: spoofing

Question **4**

Correct

Mark 2.00 out of 2.00

What kind of integrity does a database have when all its rows have a unique identifier called a primary key?

Select one:

- ☐ user-defined integrity
- ☐ referential integrity
- ☐ domain integrity
- ☒ entity integrity



Refer to curriculum topic: 5.4.1

Data integrity is one of the three guiding security principles. A cybersecurity specialist should be familiar with the tools and technologies that are used to ensure data integrity.

The correct answer is: entity integrity

Question **5**

Correct

Mark 2.00 out of 2.00

You have been asked to describe data validation to the data entry clerks in accounts receivable. Which of the following are good examples of strings, integers, and decimals?

Select one:

- ☐ 800-900-4560, 4040-2020-8978-0090, 01/21/2013
- ☐ male, \$25.25, veteran
- ☒ female, 9866, \$125.50
- ☐ yes/no 345-60-8745, TRF562



Refer to curriculum topic: 5.4.2

A string is a group of letters, numbers and special characters. An integer is whole number. A decimal is a number that is not a fraction.

The correct answer is: female, 9866, \$125.50

Question 6

Correct

Mark 2.00 out of 2.00

Which utility uses the Internet Control Messaging Protocol (ICMP)?

Select one:

☒ ping

☐ RIP

☐ DNS

☐ NTP



Refer to curriculum topic: 7.3.1

ICMP is used by network devices to send error messages.

The correct answer is: ping

Question 7

Correct

Mark 2.00 out of 2.00

Which two protocols pose switching threats? (Choose two.)

Select one or more:

☒ ARP

☐ IP

☐ WPA2

☐ ICMP

☐ RIP

☒ STP



Refer to curriculum topic: 7.3.1

Network switches are the heart of the modern data communication network. The main threats to network switches are theft, hacking and remote access, and attacks against network protocols.

The correct answers are: ARP, STP

Question 8

Incorrect

Mark 0.00 out of 2.00

Which type of cybercriminal attack would interfere with established network communication through the use of constructed packets so that the packets look like they are part of the normal communication?

Select one:

- ☒ packet sniffing
- ☐ rogue Wi-Fi AP
- ☐ packet forgery
- ☐ DNS spoofing



Refer to curriculum topic: 1.3.1

Cybersecurity specialists need to be familiar with the characteristics of various attacks.

The correct answer is: packet forgery

Question 9

Correct

Mark 2.00 out of 2.00

Mutual authentication can prevent which type of attack?

Select one:

- ☐ wireless poisoning
- ☐ wireless sniffing
- ☒ man-in-the-middle
- ☐ wireless IP spoofing



Refer to curriculum topic: 7.1.2

A cybersecurity specialist must be aware of the technologies and measures that are used as countermeasures to protect the organization from threats and vulnerabilities.

The correct answer is: man-in-the-middle

Question 10

Correct

Mark 2.00 out of 2.00

Which risk mitigation strategies include outsourcing services and purchasing insurance?

Select one:

- ☒ transfer
- ☐ reduction
- ☐ acceptance
- ☐ avoidance



Refer to curriculum topic: 6.2.1

Risk mitigation lessens the exposure of an organization to threats and vulnerabilities by transferring, accepting, avoiding, or taking an action to reduce risk.

The correct answer is: transfer

◀ Chapter 8 Quiz

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