



Question 10

Correct

Mark 2.00 out of 2.00

Flag question

Refer to curriculum topic: 2.3.2

A cybersecurity specialist must be familiar with the types of technologies used to store, transmit, and process data.

The correct answer is: wireless networks

Keeping data backups offsite is an example of which type of disaster recovery control?

Select one:

- ☐ corrective
- ☒ preventive ✓
- ☐ detective
- ☐ management

Refer to curriculum topic: 6.4.1

A disaster recovery plan enables an organization to prepare for potential disasters and minimize the resulting downtime.

The correct answer is: preventive

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Question 7

Correct

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Smart cards and biometrics are considered to be what type of access control?

Select one:

- ☐ administrative
- ☐ technological
- ☒ logical ✓
- ☐ physical

Refer to curriculum topic: 4.2.1

Access control prevents an unauthorized user from gaining access to sensitive data and networked systems. There are several technologies used to implement effective access control strategies.

The correct answer is: logical

Question 8

Correct

Mark 2.00 out of 2.00

Flag question

Which technology can be used to protect VoIP against eavesdropping?

Select one:

- ☒ encrypted voice messages ✓
- ☐ SSH
- ☐ strong authentication
- ☐ ARP

Refer to curriculum topic: 7.3.2

Many advanced technologies such as VoIP, streaming video, and electronic conferencing require advanced countermeasures.

The correct answer is: encrypted voice messages

Question 9

Correct

Mark 2.00 out of 2.00

Which type of networks poses increasing challenges to cybersecurity specialists due to the growth of BYOD on campus?

Select one:

- ☐ virtual networks



Question 14

Correct

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The correct answer is: digital certificate

Passwords, passphrases, and PINs are examples of which security term?

Select one:

- ☐ access
- ☐ authorization
- ☒ authentication ✓
- ☐ identification

Refer to curriculum topic: 4.2.4

Authentication methods are used to strengthen access control systems. It is important to understand the available authentication methods.

The correct answer is: authentication

Question 15

Correct

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Which methods can be used to implement multifactor authentication?

Select one:

- ☒ passwords and fingerprints ✓
- ☐ VPNs and VLANs
- ☐ IDS and IPS
- ☐ tokens and hashes

Refer to curriculum topic: 2.2.1

A cybersecurity specialist must be aware of the technologies available that support the CIA triad.

The correct answer is: passwords and fingerprints

Question 16

Which cybersecurity weapon scans for use of default passwords, missing patches, open ports, misconfigurations, and active IP addresses?

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Question 21

Correct

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An organization just completed a security audit. Your division was cited for not conforming to X.509 requirements. What is the first security control you need to examine?

Select one:

- ☐ hashing operations
- ☒ digital certificates ✓
- ☐ data validation rules
- ☐ VPNs and encryption services

Refer to curriculum topic: 5.3.2

Digital certificates protect the parties involved in secure communications.

The correct answer is: digital certificates

Question 22

Correct

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

Select one:

- ☐ NTP
- ☒ ping ✓
- ☐ DNS
- ☐ RIP

Refer to curriculum topic: 7.3.1

ICMP is used by network devices to send error messages.

The correct answer is: ping

Question 23

Correct

Mark 2.00 out of 2.00

What approach to availability involves using file permissions?

Select one:

- ☐ obscurity

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Question 27

Correct

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What is an example of early warning systems that can be used to thwart cybercriminals?

Select one:

- ☒ Honeynet project ✓
- ☐ Infragard
- ☐ CVE database
- ☐ ISO/IEC 27000 program

Refer to curriculum topic: 1.2.2

Early warning systems help identify attacks and can be used by cybersecurity specialists to protect systems.

The correct answer is: Honeynet project

Question 28

Correct

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What type of attack has an organization experienced when an employee installs an unauthorized device on the network to view network traffic?

Select one:

- ☐ phishing
- ☒ sniffing ✓
- ☐ spoofing
- ☐ spamming

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: sniffing

Question 29

Correct

What is it called when an organization only installs applications that meet its guidelines, and administrators increase security by eliminating all other applications?



2:00
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question

Import/Export Encryption Act

- ☐ Gramm-Leach-Bliley Act
- ☐ The Federal Information Security Management Act
- ☒ Sarbanes-Oxley Act ✓

Refer to curriculum topic: 8.2.2

New laws and regulations have come about to protect organizations, citizens, and nations from cybersecurity attacks.

The correct answer is: Sarbanes-Oxley Act

Question 34

Correct

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question

Which statement describes a characteristic of block ciphers?

Select one:

- ☒ Block ciphers result in output data that is larger than the input data most of the time. ✓
- ☐ Block ciphers are faster than stream ciphers.
- ☐ Block ciphers result in compressed output.
- ☐ Block ciphers encrypt plaintext one bit at a time to form a block.

Refer to curriculum topic: 4.1.2

Encryption is an important technology used to protect confidentiality. It is important to understand the characteristics of the various encryption methodologies.

The correct answer is: Block ciphers result in output data that is larger than the input data most of the time.

Question 35

Correct

Mark 2.00 out of 2.00

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question

What is the most difficult part of designing a cryptosystem?

Select one:

- ☐ reverse engineering
- ☒ key management ✓
- ☐ encryption algorithm
- ☐ key length



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Question 41

Correct

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Which of the following products or technologies would you use to establish a baseline for an operating system?

Select one:

- ☐ MS Baseliner
- ☐ SANS Baseline System (SBS)
- ☒ Microsoft Security Baseline Analyzer ✓
- ☐ CVE Baseline Analyzer

Refer to curriculum topic: 7.1.1

There are many tools that a cybersecurity specialist uses to evaluate the potential vulnerabilities of an organization.

The correct answer is: Microsoft Security Baseline Analyzer

Question 42

Correct

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question

A user has a large amount of data that needs to be kept confidential. Which algorithm would best meet this requirement?

Select one:

- ☐ RSA
- ☐ ECC
- ☒ 3DES ✓
- ☐ Diffie-Hellman

Refer to curriculum topic: 4.1.4

Encryption is an important technology used to protect confidentiality. It is important to understand the characteristics of the various encryption methodologies.

The correct answer is: 3DES

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