Home / I'm Learning / Cisco Cybersecurity Essentials / Course Completion / Final Quiz Cisco Cybersecurity Essentials Course Home Friday, 17 November 2023, 10:38 AM Started on g State Finished Grades Completed on Friday, 17 November 2023, 11:38 AM Time taken 1 hour Grade 54.00 out of 100.00 Messages Question 1 Correct Calenda 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

Correct Mark 2.00 out of 2.00
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
man-in-the-initiale
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
odomain 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.
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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 71
Correct
Mark 2.00 out of 2.00
An organization has implemented antivirus software. What type of security control did the company implement?
Select one:
detective control
Odeterrent control
ompensative control
recovery control
Refer to curriculum topic: 4.2.7
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: recovery control
Question 12
Question 12 Correct
Mark 2.00 out of 2.00
Walk 2.00 Out of 2.00
An organization allows employees to work from home two days a week. Which technology should be implemented to ensure data confidentiality as data is transmitted?
Select one:
RAID
○ VLANS
SHS
○ VPN
Refer to curriculum topic: 2.4.1
Protecting data confidentiality requires an understanding of the technologies used to protect data in all three data states. The correct answer is: VPN
The correct answer is. VEN
Question 13
Correct
Mark 2.00 out of 2.00
What type of attack will make illegitimate websites higher in a web search result list?
what type of attack will filake lilegitifilate websites fligher in a web search result list?
Select one:
browser hijacker
spam
○ SEO poisoning
ONS poisoning
Refer to curriculum topic: 3.1.2

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: SEO poisoning

o :: 4.4		
Question 14		
Correct		
Mark 2.00 out of 2.00		
	rming a risk analysis on the database services. The information collected includes the initial value of these asset spact of the threats. What type of risk analysis is the team performing by calculating the annual loss expectancy?	
Select one:		
protection analysis		
qualitative analysis		
oss analysis		
quantitative analysis		~
Refer to curriculum topic: 6.2.1 A qualitative or quantitative risk and	alysis is used to identify and prioritize threats to the organization.	
The correct answer is: quantitative	analysis	
Question 15		
Question 15 Correct		
Correct Mark 2.00 out of 2.00	ys to defend against malware? (Choose two.)	
Correct Mark 2.00 out of 2.00 What are the two most effective wa	ys to defend against malware? (Choose two.)	
Correct Mark 2.00 out of 2.00 What are the two most effective wa Select one or more:		~
Correct Mark 2.00 out of 2.00 What are the two most effective was Select one or more: Implement RAID.		~
Correct Mark 2.00 out of 2.00 What are the two most effective was Select one or more: Implement RAID. Install and update antivirus so		~
Correct Mark 2.00 out of 2.00 What are the two most effective was Select one or more: Implement RAID. Install and update antivirus so Implement a VPN.		~

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 answers are: Update the operating system and other application software., Install and update antivirus software.

Question 16
Correct
Mark 2.00 out of 2.00
Smart cards and biometrics are considered to be what type of access control?
Select one:
O physical
administrative
○ technological
○ logical ✓
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 17
Correct
Mark 2.00 out of 2.00
What describes the protection provided by a fence that is 1 meter in height?
Select one:
It offers limited delay to a determined intruder.
The fence deters determined intruders.
○ It deters casual trespassers only.
It prevents casual trespassers because of its height.
Refer to curriculum topic: 7.4.1
Security standards have been developed to assist organizations in implementing the proper controls to mitigate potential threats. The height of a fence determines the level of protection from intruders
The correct answer is: It deters casual trespassers only.

Question 18	
Correct	
Mark 2.00 out of 2.00	
There are many environments that require five nines, but a five nines environment may be cost prohibitive. What is one example of where the five nines environment might be cost prohibitive?	ve
Select one:	
department stores at the local mall	
the front office of a major league sports team	
the New York Stock Exchange	~
the U.S. Department of Education	
Refer to curriculum topic: 6.1.1 System and data availability is a critical responsibility of a cybersecurity specialist. It is important to understand the technologies, process, and controls used to protect provide high availability.	
The correct answer is: the New York Stock Exchange	
Question 19	
Correct	
Mark 2.00 out of 2.00	
What Windows utility should be used to configure password rules and account lockout policies on a system that is not part of a domain?	
Select one:	
Active Directory Security tool	
Cocal Security Policy tool	~
Event Viewer security log	
Computer Management	
Refer to curriculum topic: 7.2.2 A cybersecurity specialist must be aware of the technologies and measures that are used as countermeasures to protect the organization from t and vulnerabilities. Local Security Policy, Event Viewer, and Computer Management are Windows utilities that are all used in the security equation	
The correct answer is: Local Security Policy tool	

Question 20
Correct
Mark 2.00 out of 2.00
The awareness and identification of vulnerabilities is a critical function of a cybersecurity specialist. Which of the following resources can be used to
identify specific details about vulnerabilities?
Select one:
○ Infragard
○ CVE national database
◯ ISO/IEC 27000 model
NIST/NICE framework
Refer to curriculum topic: 6.2.1
A cybersecurity specialist needs to be familiar with the resources such as the CVE database, Infragard, and the NIST/NISE framework. All can be used to help plan and implement effective an information security management system.
The correct answer is: CVE national database
Question 21
Correct
Mark 2.00 out of 2.00
An organization has recently adopted a five nines program for two critical database servers. What type of controls will this involve?
Select one:
stronger encryption systems
improving reliability and uptime of the servers
remote access to thousands of external users
○ limiting access to the data on these systems
Refer to curriculum topic: 6.1.1
System and data availability is a critical responsibility of a cybersecurity specialists. It is important to understand the technologies, process, and controls used to provide high availability.
The correct answer is: improving reliability and uptime of the servers

Question 22
Correct
Mark 2.00 out of 2.00
In a comparison of biometric systems, what is the crossover error rate?
Select one:
rate of acceptability and rate of false negatives
rate of false negatives and rate of false positives
rate of rejection and rate of false negatives
rate of false positives and rate of acceptability
Tate of false positives and fate of acceptability
Refer to curriculum topic: 7.4.1 In comparing biometric systems, there are several important factors to consider including accuracy, speed or throughput rate, and acceptability to users.
The correct answer is: rate of false negatives and rate of false positives
Question 23
Not answered
Marked out of 2.00
You have been asked to work with the data collection and entry staff in your organization in order to improve data integrity during initial data entry and data modification operations. Several staff members ask you to explain why the new data entry screens limit the types and size of data able to be entered in specific fields. What is an example of a new data integrity control?
Select one:
a validation rule which has been implemented to ensure completeness, accuracy, and consistency of data
data entry controls which only allow entry staff to view current data
data encryption operations that prevent any unauthorized users from accessing sensitive data
a limitation rule which has been implemented to prevent unauthorized staff from entering sensitive data
Refer to curriculum topic: 5.4.2
Data integrity deals with data validation.
The correct answer is: a validation rule which has been implemented to ensure completeness, accuracy, and consistency of data
Question 24
Correct
Mark 2.00 out of 2.00
HVAC, water system, and fire systems fall under which of the cybersecurity domains?
Select one:
○ network
user
device
Ophysical facilities
Pafer to curriculum tonic: 8.1.6

Refer to curriculum topic: 8.1.6

Cybersecurity domains provide a framework for evaluating and implementing controls to protect the assets of an organization.

The correct answer is: physical facilities

Question 25
Correct
Mark 2.00 out of 2.00
What are two incident response phases? (Choose two.)
Select one or more:
detection and analysis
confidentiality and eradication
risk analysis and high availability
prevention and containment
mitigation and acceptance
✓ containment and recovery
Refer to curriculum topic: 6.3.1
When an incident occurs, the organization must know how to respond. An organization needs to develop an incident response plan that includes several phases.
The correct answers are: detection and analysis, containment and recovery
Question 26
Correct
Mark 2.00 out of 2.00
What technology should be implemented to verify the identity of an organization, to authenticate its website, and to provide an encrypted connection between a client and the website?
Solitodii a siidik aha ale wesele.
Select one:
digital signature
odigital certificate
salting
salting asymmetric encryption
asymmetric encryption Refer to curriculum topic: 5.2.2 Encryption is an important technology used to protect confidentiality. It is important to understand the characteristics of the various encryption
asymmetric encryption Refer to curriculum topic: 5.2.2

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Question Z1	
Correct	
Mark 2.00 out of 2.00	
You have been asked to implement a data integrity program to protect data files that need to be electronically downloaded by the sales staff. You have decided to use the strongest hashing algorithm available on your systems. Which hash algorithm would you select?	
Select one:	
SHA-1	
○ AES	
○ MD5	
SHA-256	~
Refer to curriculum topic: 5.1.1 MD5 and SHA are the two most popular hashing algorithms. SHA-256 uses a 256-bit hash, whereas MD5 produces a 128-bit hash value.	
The correct answer is: SHA-256	
Question 28	
Incorrect	
Mark 0.00 out of 2.00	
Which framework should be recommended for establishing a comprehensive information security management system in an organization?	
Select one:	
○ CIA Triad	×
☐ ISO OSI model	
NIST/NICE framework	
○ ISO/IEC 27000	
Refer to curriculum topic: 2.5.1 A cybersecurity specialist needs to be familiar with the different frameworks and models for managing information security. The correct answer is: ISO/IEC 27000	
Question 29	
Correct Mark 2.00 out of 2.00	
Which statement best describes a motivation of hacktivists?	
Select one: They are trying to show off their hacking skills.	
They are curious and learning hacking skills.	
	~
They are part of a protest group behind a political cause.	-
They are interested in discovering new exploits.	
Refer to curriculum topic: 1.2.1 Each type of cybercriminal has a distinct motivation for his or her actions.	
The correct answer is: They are part of a protest group behind a political cause	

Question 30
Correct
Mark 2.00 out of 2.00
In which situation would a detective control be warranted?
Select one:
when the organization needs to repair damage
after the organization has experienced a breach in order to restore everything back to a normal state
when the organization cannot use a guard dog, so it is necessary to consider an alternative
when the organization needs to look for prohibited activity
Refer to curriculum topic: 4.2.7 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: when the organization needs to look for prohibited activity
Question 31
Not answered
Marked out of 2.00
Which law was enacted to prevent corporate accounting-related crimes? Select one: Import/Export Encryption Act
Sarbanes-Oxley Act
The Federal Information Security Management Act
Gramm-Leach-Bliley 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 32
Not answered
Marked out of 2.00
Which type of networks poses increasing challenges to cybersecurity specialists due to the growth of BYOD on campus? Select one:
wired networks
sneaker net
virtual networks
wireless networks
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

Not answered Marked out of 2.00	
Marked out of 2.00	
Which data state is maintained in NAS and SAN services?	
Select one:	
data in-transit	
stored data	
data in-process	
encrypted data	
Refer to curriculum topic: 2.3.1 A cybersecurity specialist must be familiar with the types of technologies used to store,	ransmit, and process data.
The correct answer is: stored data	
Question 34	
Not answered	
	g a simple password hash, the technician then discovers that
Technicians are testing the security of an authentication system that uses passwords. V technician discovers the passwords are stored as hash values. However, after compari the values are different from those on other systems. What are two causes of this situal Select one or more:	g a simple password hash, the technician then discovers that
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Technicians are testing the security of an authentication system that uses passwords. V technician discovers the passwords are stored as hash values. However, after compari the values are different from those on other systems. What are two causes of this situal Select one or more: One system uses hashing and the other uses hashing and salting. Both systems use MD5. The systems use different hashing algorithms. Both systems scramble the passwords before hashing. One system uses symmetrical hashing and the other uses asymmetrical hashing. Refer to curriculum topic: 5.1.2 Hashing can be used in many different situations to ensure data integrity.	g a simple password hash, the technician then discovers that on? (Choose two.)

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 36
Not answered
Marked out of 2.00
What approach to availability provides the most comprehensive protection because multiple defenses coordinate together to prevent attacks?
Select one:
obscurity
limiting
diversity
ayering
Refer to curriculum topic: 6.2.2
Defense in depth utilizes multiple layers of security controls.
The correct answer is: layering
Question 37
Not answered
Marked out of 2.00
Being able to maintain availability during disruptive events describes which of the principles of high availability?
Select one:
single point of failure
system resiliency
uninterruptible services
fault tolerance
Refer to curriculum topic: 6.1.1 High availability can be achieved by eliminating or reducing single points of failure, by implementing system resiliency, and by designing for fault
tolerance.
The correct answer is: system resiliency
Question 38
Not answered
Marked out of 2.00
An organization plans to implement security training to educate employees about security policies. What type of access control is the organization trying to implement?
Select one:
Ological
administrative
○ technological
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: administrative

Question 33	
Not answered	
Marked out of 2.00	
Which of the following products or technologies would you use to establish a baseline for an operating system?	
Select one:	
CVE Baseline Analyzer	
MS Baseliner	
Microsoft Security Baseline Analyzer	
SANS Baselining System (SBS)	
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 40	
Not answered	
Marked out of 2.00	
Select one: An attacker views network traffic to learn authentication credentials.	
An attacker sends an enormous quantity of data that a server cannot handle.	
One computer accepts data packets based on the MAC address of another computer.	
An attacker builds a botnet comprised of zombies.	
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 organiz-	ation.
The correct answer is: An attacker builds a botnet comprised of zombies.	
Question 41	
Not answered	
Marked out of 2.00	
Question 41 Not answered Marked out of 2.00	
Which method is used by steganography to hide text in an image file?	
Select one:	
most significant bit	
data masking	
least significant bit	
data obfuscation	
Refer to curriculum topic: 4.3.2	
Encryption is an important technology used to protect confidentiality. It is important to understand the characteristics of the various encryption	on
methodologies.	

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The correct answer is: least significant bit

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Question 42
lot answered
Marked out of 2.00
Your risk manager just distributed a chart that uses three colors to identify the level of threat to key assets in the information security systems. Red represents high level of risk, yellow represents average level of threat and green represents low level of threat. What type of risk analysis does this chart represent?
Select one:
quantitative analysis
exposure factor analysis
qualitative analysis
Oloss analysis
Refer to curriculum topic: 6.2.1 A qualitative or quantitative risk analysis is used to identify and prioritize threats to the organization. The correct answer is: qualitative analysis
Question 43
lot answered
Marked out of 2.00
An organization has determined that an employee has been cracking passwords on administrative accounts in order to access very sensitive payroll information. Which tools would you look for on the system of the employee? (Choose three)
Select one or more:
reverse lookup tables
rouge access points
algorithm tables
password digest
lookup tables

Refer to curriculum topic: 5.1.2

rainbow tables

Tables that contain possible password combinations are used to crack passwords.

The correct answers are: rainbow tables, lookup tables, reverse lookup tables

Not answered Marked out of 2.00	
Marked out of 2.00	
Which methods can be used	d to implement multifactor authentication?
	o o imperient municipal durientication:
Select one: IDS and IPS	
VPNs and VLANs	
passwords and fingerp	mints
tokens and hashes	
Refer to curriculum topic: 2.:	2.1
A cybersecurity specialist m	ust be aware of the technologies available that support the CIA triad.
The correct answer is: pass	words and fingerprints
Question 45	
Not answered	
Marked out of 2.00 Which access control should	d the IT department use to restore a system back to its normal state?
Which access control should Select one:	d the IT department use to restore a system back to its normal state?
Which access control should Select one: corrective detective	d the IT department use to restore a system back to its normal state?
Which access control should Select one: corrective detective compensative	d the IT department use to restore a system back to its normal state?
Which access control should Select one: corrective detective	d the IT department use to restore a system back to its normal state?
Which access control should Select one:	2.7
Which access control should Select one:	2.7 unauthorized user from gaining access to sensitive data and networked systems. There are several technologies used
Which access control should Select one:	2.7 unauthorized user from gaining access to sensitive data and networked systems. There are several technologies used control strategies.
Which access control should Select one:	2.7 unauthorized user from gaining access to sensitive data and networked systems. There are several technologies used control strategies.
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https://lms.netacad.com/mod/quiz/review.php?attempt=59312180&cmid=71613587&showall=1

The correct answer is: buffer overflow

Question 47
Not answered
Marked out of 2.00
Which threat is mitigated through user awareness training and tying security awareness to performance reviews?
Select one:
physical threats
cloud-related threats
device-related threats
user-related threats
Refer to curriculum topic: 8.1.1
Cybersecurity domains provide a framework for evaluating and implementing controls to protect the assets of an organization. Each domain has various countermeasures available to manage threats.
The correct answer is: user-related threats
Question 48
Not answered
Marked out of 2.00
A cybersecurity specialist is asked to identify the potential criminals known to attack the organization. Which type of hackers would the cybersecurity
specialist be least concerned with?
Select one:
script kiddies
gray hat hackers
white hat hackers
○ black hat hackers
Refer to curriculum topic: 1.2.1
Hackers are classified by colors to help define the purpose of their break-in activities.
The correct engines is white het heekers

The correct answer is: white hat hackers

Not answered Marked out of 2.00	
Marked out of 2.00	
Marked out of 2.00	
Alice and Bob use a pre-shared key to exchange a confidential message. If Bob wants to send a confidential message to use?	Carol, what key should h
Select one:	
the public key of Bob	
the same pre-shared key he used with Alice	
the private key of Carol	
a new pre-shared key	
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 methodologies.	e various encryption
The correct answer is: a new pre-shared key	
Question 50	
Not answered	
Not answered Marked out of 2.00	
Which access control strategy allows an object owner to determine whether to allow access to the object?	
Which access control strategy allows an object owner to determine whether to allow access to the object? Select one:	
Which access control strategy allows an object owner to determine whether to allow access to the object? Select one: DAC	
Which access control strategy allows an object owner to determine whether to allow access to the object? Select one:	
Which access control strategy allows an object owner to determine whether to allow access to the object? Select one: DAC RBAC	
Which access control strategy allows an object owner to determine whether to allow access to the object? Select one: DAC RBAC ACL MAC MAC Refer to curriculum topic: 4.2.2 Access control prevents unauthorized user from gaining access to sensitive data and networked systems. There are sever	ral technologies used to
Which access control strategy allows an object owner to determine whether to allow access to the object? Select one: DAC RBAC ACL	ral technologies used to
Which access control strategy allows an object owner to determine whether to allow access to the object? Select one: DAC RBAC ACL MAC Refer to curriculum topic: 4.2.2 Access control prevents unauthorized user from gaining access to sensitive data and networked systems. There are sever implement effective access control strategies.	ral technologies used to

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