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Exam Code: SY0-301

Exam Name: Comptia CompTIA Security+ Certification Exam 2011 version

Exam A

QUESTION 1
Which of the following is the BEST approach to perform risk mitigation of user access control rights?

A. Conduct surveys and rank the results.
B. Perform routine user permission reviews.
C. Implement periodic vulnerability scanning.
D. Disable user accounts that have not been used within the last two weeks.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 2
Which of the following devices is BEST suited for servers that need to store private keys?

A. Hardware security module
B. Hardened network firewall
C. Solid state disk drive
D. Hardened host firewall

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 3
All of the following are valid cryptographic hash functions EXCEPT:

A. RIPEMD.
B. RC4.
C. SHA-512.
D. MD4.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 4
In regards to secure coding practices, why is input validation important?

A. It mitigates buffer overflow attacks.
B. It makes the code more readable.
C. It provides an application configuration baseline.
D. It meets gray box testing standards.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 5
Which of the following would be used when a higher level of security is desired for encryption key storage?

A. TACACS+
B. L2TP
C. LDAP
D. TPM

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 6
A security administrator needs to determine which system a particular user is trying to login to at various times of the day. Which of the following log types would the administrator check?

A. Firewall
B. Application
C. IDS
D. Security

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 7
Which of the following MUST be updated immediately when an employee is terminated to prevent unauthorized access?

A. Registration
B. CA
C. CRL
D. Recovery agent

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
Employee badges are encoded with a private encryption key and specific personal information. The encoding is then used to provide access to the network. Which of the following describes this access control type?

A. Smartcard
B. Token
C. Discretionary access control
D. Mandatory access control

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 9
Which of the following devices would MOST likely have a DMZ interface?

A. Firewall
B. Switch
C. Load balancer
D. Proxy

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 10
Which of the following application security testing techniques is implemented when an automated system generates random input data?

A. Fuzzing
B. XSRF
C. Hardening
D. Input validation

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
Which of the following can be used by a security administrator to successfully recover a user's forgotten

password on a password protected file?

A. Cognitive password
B. Password sniffing
C. Brute force
D. Social engineering

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
A security administrator wants to check user password complexity. Which of the following is the BEST tool to use?

A. Password history
B. Password logging
C. Password cracker
D. Password hashing

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 13
Certificates are used for: (Select TWO).

A. Client authentication.
B. WEP encryption.
C. Access control lists.
D. Code signing.
E. Password hashing.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 14
Which of the following is a hardware based encryption device?

A. EFS
B. TrueCrypt
C. TPM
D. SLE

Correct Answer: C

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
Which of the following BEST describes a protective countermeasure for SQL injection?

A. Eliminating cross-site scripting vulnerabilities
B. Installing an IDS to monitor network traffic
C. Validating user input in web applications
D. Placing a firewall between the Internet and database servers

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 16
Which of the following MOST interferes with network-based detection techniques?

A. Mime-encoding
B. SSL
C. FTP
D. Anonymous email accounts

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 17
A certificate authority takes which of the following actions in PKI?

A. Signs and verifies all infrastructure messages
B. Issues and signs all private keys
C. Publishes key escrow lists to CRLs
D. Issues and signs all root certificates

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 18
Use of a smart card to authenticate remote servers remains MOST susceptible to which of the following attacks?

A. Malicious code on the local system

B. Shoulder surfing
C. Brute force certificate cracking
D. Distributed dictionary attacks

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 19
Separation of duties is often implemented between developers and administrators in order to separate which of the following?

A. More experienced employees from less experienced employees
B. Changes to program code and the ability to deploy to production
C. Upper level management users from standard development employees
D. The network access layer from the application access layer

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
A security administrator needs to update the OS on all the switches in the company. Which of the following MUST be done before any actual switch configuration is performed?

A. The request needs to be sent to the incident management team.
B. The request needs to be approved through the incident management process.
C. The request needs to be approved through the change management process.
D. The request needs to be sent to the change management team.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 21
Jane, an individual, has recently been calling various financial offices pretending to be another person to gain financial information. Which of the following attacks is being described?

A. Phishing
B. Tailgating
C. Pharming
D. Vishing

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 22
A user in the company is in charge of various financial roles but needs to prepare for an upcoming audit. They use the same account to access each financial system. Which of the following security controls will MOST likely be implemented within the company?

A. Account lockout policy
B. Account password enforcement
C. Password complexity enabled
D. Separation of duties

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
A CRL is comprised of:

A. Malicious IP addresses.
B. Trusted CA's.
C. Untrusted private keys.
D. Public keys.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 24
Sara, a user, downloads a keygen to install pirated software. After running the keygen, system performance is extremely slow and numerous antivirus alerts are displayed. Which of the following BEST describes this type of malware?

A. Logic bomb
B. Worm
C. Trojan
D. Adware

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 25
Which of the following may significantly reduce data loss if multiple drives fail at the same time?

A. Virtualization
B. RAID
C. Load balancing
D. Server clustering

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
Which of the following should be considered to mitigate data theft when using CAT5 wiring?

A. CCTV
B. Environmental monitoring
C. Multimode fiber
D. EMI shielding

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
To help prevent unauthorized access to PCs, a security administrator implements screen savers that lock the PC after five minutes of inactivity. Which of the following controls is being described in this situation?

A. Management
B. Administrative
C. Technical
D. Operational

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
Pete, a network administrator, is capturing packets on the network and notices that a large amount of the traffic on the LAN is SIP and RTP protocols. Which of the following should he do to segment that traffic from the other traffic?

A. Connect the WAP to a different switch.
B. Create a voice VLAN.
C. Create a DMZ.
D. Set the switch ports to 802.1q mode.

Correct Answer: B
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 29
Which of the following IP addresses would be hosts on the same subnet given the subnet mask 255.255.255.224? (Select TWO).

A. 10.4.4.125
B. 10.4.4.158
C. 10.4.4.165
D. 10.4.4.189
E. 10.4.4.199

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
Which of the following algorithms has well documented collisions? (Select TWO).

A. AES
B. MD5
C. SHA
D. SHA-256
E. RSA

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 31
Which of the following is BEST used as a secure replacement for TELNET?

A. HTTPS
B. HMAC
C. GPG
D. SSH

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 32
An email client says a digital signature is invalid and the sender cannot be verified. The recipient is concerned

with which of the following concepts?

A. Integrity
B. Availability
C. Confidentiality
D. Remediation

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 33
Which of the following is an effective way to ensure the BEST temperature for all equipment within a datacenter?

A. Fire suppression
B. Raised floor implementation
C. EMI shielding
D. Hot or cool aisle containment

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 34
Which of the following transportation encryption protocols should be used to ensure maximum security between a web browser and a web server?

A. SSLv2
B. SSHv1
C. RSA
D. TLS

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 35
Developers currently have access to update production servers without going through an approval process. Which of the following strategies would BEST mitigate this risk?

A. Incident management
B. Clean desk policy
C. Routine audits
D. Change management

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 36
Which of the following is a difference between TFTP and FTP?

A. TFTP is slower than FTP.
B. TFTP is more secure than FTP.
C. TFTP utilizes TCP and FTP uses UDP.
D. TFTP utilizes UDP and FTP uses TCP.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 37
Matt, an administrator, notices a flood fragmented packet and retransmits from an email server. After disabling the TCP offload setting on the NIC, Matt sees normal traffic with packets flowing in sequence again. Which of the following utilities was he MOST likely using to view this issue?

A. Spam filter
B. Protocol analyzer
C. Web application firewall
D. Load balancer

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 38
Which of the following is characterized by an attacker attempting to map out an organization's staff hierarchy in order to send targeted emails?

A. Whaling
B. Impersonation
C. Privilege escalation
D. Spear phishing

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 39

Which of the following would a security administrator implement in order to discover comprehensive security threats on a network?

A. Design reviews
B. Baseline reporting
C. Vulnerability scan
D. Code review

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 40
Which of the following is an example of a false positive?

A. Anti-virus identifies a benign application as malware.
B. A biometric iris scanner rejects an authorized user wearing a new contact lens.
C. A user account is locked out after the user mistypes the password too many times.
D. The IDS does not identify a buffer overflow.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 41
Data execution prevention is a feature in most operating systems intended to protect against which type of attack?

A. Cross-site scripting
B. Buffer overflow
C. Header manipulation
D. SQL injection

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
Use of group accounts should be minimized to ensure which of the following?

A. Password security
B. Regular auditing
C. Baseline management
D. Individual accountability

Correct Answer: D

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 43
Privilege creep among long-term employees can be mitigated by which of the following procedures?

A. User permission reviews
B. Mandatory vacations
C. Separation of duties
D. Job function rotation

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 44
In which of the following scenarios is PKI LEAST hardened?

A. The CRL is posted to a publicly accessible location.
B. The recorded time offsets are developed with symmetric keys.
C. A malicious CA certificate is loaded on all the clients.
D. All public keys are accessed by an unauthorized user.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 45
Configuring the mode, encryption methods, and security associations are part of which of the following?

A. IPSec
B. Full disk encryption
C. 802.1x
D. PKI

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 46
Which of the following assessments would Pete, the security administrator, use to actively test that an application's security controls are in place?

A. Code review

B. Penetration test
C. Protocol analyzer
D. Vulnerability scan

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
A security administrator has just finished creating a hot site for the company. This implementation relates to which of the following concepts?

A. Confidentiality
B. Availability

C. Succession planning
D. Integrity

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 48
In the initial stages of an incident response, Matt, the security administrator, was provided the hard drives in question from the incident manager. Which of the following incident response procedures would he need to perform in order to begin the analysis? (Select TWO).

A. Take hashes
B. Begin the chain of custody paperwork
C. Take screen shots
D. Capture the system image
E. Decompile suspicious files

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 49
Which of the following is used to certify intermediate authorities in a large PKI deployment?

A. Root CA
B. Recovery agent
C. Root user
D. Key escrow

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 50
Which of the following components MUST be trusted by all parties in PKI?

A. Key escrow
B. CA
C. Private key
D. Recovery key

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
Which of the following should Matt, a security administrator, include when encrypting smartphones? (Select TWO).

A. Steganography images
B. Internal memory
C. Master boot records
D. Removable memory cards
E. Public keys

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 52
Which of the following is the below pseudo-code an example of?

IF VARIABLE (CONTAINS NUMBERS = TRUE) THEN EXIT

A. Buffer overflow prevention
B. Input validation
C. CSRF prevention
D. Cross-site scripting prevention

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
A system administrator is using a packet sniffer to troubleshoot remote authentication. The administrator detects a device trying to communicate to TCP port 49. Which of the following authentication methods is MOST likely being attempted?

A. RADIUS
B. TACACS+
C. Kerberos
D. LDAP

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 54
Which of the following can use RC4 for encryption? (Select TWO).

A. CHAP
B. SSL
C. WEP
D. AES
E. 3DES

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 55
Which of the following defines a business goal for system restoration and acceptable data loss?

A. MTTR
B. MTBF
C. RPO
D. Warm site

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
If Organization A trusts Organization B and Organization B trusts Organization C, then Organization A trusts

Organization C. Which of the following PKI concepts is this describing?

A. Transitive trust
B. Public key trust
C. Certificate authority trust
D. Domain level trust

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 57
Which of the following concepts is BEST described as developing a new chain of command in the event of a contingency?

A. Business continuity planning
B. Continuity of operations
C. Business impact analysis
D. Succession planning

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 58
Which of the following allows a company to maintain access to encrypted resources when employee turnover is high?

A. Recovery agent
B. Certificate authority
C. Trust model
D. Key escrow

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 59
Which of the following devices will help prevent a laptop from being removed from a certain location?

A. Device encryption
B. Cable locks
C. GPS tracking
D. Remote data wipes

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 60
Which of the following is the MOST secure protocol to transfer files?

A. FTP
B. FTPS
C. SSH
D. TELNET

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 61
Suspicious traffic without a specific signature was detected. Under further investigation, it was determined that these were false indicators. Which of the following security devices needs to be configured to disable future false alarms?

A. Signature based IPS
B. Signature based IDS
C. Application based IPS
D. Anomaly based IDS

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 62
A company storing data on a secure server wants to ensure it is legally able to dismiss and prosecute staff who intentionally access the server via Telnet and illegally tamper with customer data. Which of the following administrative controls should be implemented to BEST achieve this?

A. Command shell restrictions
B. Restricted interface
C. Warning banners
D. Session output pipe to /dev/null

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 63

Which of the following protocols is used to authenticate the client and server's digital certificate?

A. PEAP
B. DNS
C. TLS
D. ICMP

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
Which of the following can be used to mitigate risk if a mobile device is lost?

A. Cable lock
B. Transport encryption
C. Voice encryption
D. Strong passwords

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 65
Which of the following security concepts would Sara, the security administrator, use to mitigate the risk of data loss?

A. Record time offset
B. Clean desk policy
C. Cloud computing
D. Routine log review

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 66
Which of the following is an example of multifactor authentication?

A. Credit card and PIN
B. Username and password
C. Password and PIN
D. Fingerprint and retina scan

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 67
After Matt, a user, enters his username and password at the login screen of a web enabled portal, the following appears on his screen:

`Please only use letters and numbers on these fields'

Which of the following is this an example of?

A. Proper error handling
B. Proper input validation
C. Improper input validation
D. Improper error handling

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 68
Which of the following should the security administrator implement to limit web traffic based on country of origin? (Select THREE).

A. Spam filter
B. Load balancer
C. Antivirus
D. Proxies
E. Firewall
F. NIDS
G. URL filtering

Correct Answer: DEG
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 69
Several bins are located throughout a building for secure disposal of sensitive information. Which of the following does this prevent?

A. Dumpster diving
B. War driving
C. Tailgating
D. War chalking

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 70
Matt, a developer, recently attended a workshop on a new application. The developer installs the new application on a production system to test the functionality. Which of the following is MOST likely affected?

A. Application design
B. Application security
C. Initial baseline configuration
D. Management of interfaces

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 71
Sara, a company's security officer, often receives reports of unauthorized personnel having access codes to the cipher locks of secure areas in the building. Sara should immediately implement which of the following?

A. Acceptable Use Policy
B. Physical security controls
C. Technical controls
D. Security awareness training

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 72
Mike, a network administrator, has been asked to passively monitor network traffic to the company's sales websites. Which of the following would be BEST suited for this task?

A. HIDS
B. Firewall
C. NIPS
D. Spam filter

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 73
Mike, a security professional, is tasked with actively verifying the strength of the security controls on a company's live modem pool. Which of the following activities is MOST appropriate?

A. War dialing
B. War chalking
C. War driving
D. Bluesnarfing

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 74
Users at a company report that a popular news website keeps taking them to a web page with derogatory content. This is an example of which of the following?

A. Evil twin
B. DNS poisoning
C. Vishing
D. Session hijacking

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 75
An encrypted message is sent using PKI from Sara, a client, to a customer. Sara claims she never sent the message. Which of the following aspects of PKI BEST ensures the identity of the sender?

A. CRL
B. Non-repudiation
C. Trust models
D. Recovery agents

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 76
Jane, a security administrator, has observed repeated attempts to break into a server. Which of the following is designed to stop an intrusion on a specific server?

A. HIPS
B. NIDS
C. HIDS
D. NIPS

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 77
Matt, the IT Manager, wants to create a new network available to virtual servers on the same hypervisor, and does not want this network to be routable to the firewall. How could this BEST be accomplished?

A. Create a VLAN without a default gateway.
B. Remove the network from the routing table.
C. Create a virtual switch.
D. Commission a stand-alone switch.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 78
A security administrator implements access controls based on the security classification of the data and need-to-know information. Which of the following BEST describes this level of access control?

A. Implicit deny
B. Role-based Access Control
C. Mandatory Access Controls
D. Least privilege

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
A security administrator has configured FTP in passive mode. Which of the following ports should the security administrator allow on the firewall by default?

A. 20
B. 21
C. 22
D. 23

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 80
Which of the following could cause a browser to display the message below?

"The security certificate presented by this website was issued for a different website's address."

A. The website certificate was issued by a different CA than what the browser recognizes in its trusted CAs.
B. The website is using a wildcard certificate issued for the company's domain.
C. HTTPS://127.0.01 was used instead of HTTPS://localhost.
D. The website is using an expired self signed certificate.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
A company that purchased an HVAC system for the datacenter is MOST concerned with which of the following?

A. Availability
B. Integrity
C. Confidentiality
D. Fire suppression

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 82
Which of the following pseudocodes can be used to handle program exceptions?

A. If program detects another instance of itself, then kill program instance.
B. If user enters invalid input, then restart program.
C. If program module crashes, then restart program module.
D. If user's input exceeds buffer length, then truncate the input.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 83
Which of the following technologies uses multiple devices to share work?

A. Switching
B. Load balancing
C. RAID
D. VPN concentrator

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 84
Which of the following protocols uses an asymmetric key to open a session and then establishes a symmetric key for the remainder of the session?

A. SFTP
B. HTTPS
C. TFTP
D. TLS

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 85
Which of the following describes how Sara, an attacker, can send unwanted advertisements to a mobile device?

A. Man-in-the-middle
B. Bluejacking
C. Bluesnarfing
D. Packet sniffing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 86
Pete, an employee, is terminated from the company and the legal department needs documents from his encrypted hard drive. Which of the following should be used to accomplish this task? (Select TWO).

A. Private hash
B. Recovery agent
C. Public key
D. Key escrow
E. CRL

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 87

Which of the following mitigation strategies is established to reduce risk when performing updates to business critical systems?

A. Incident management
B. Server clustering
C. Change management
D. Forensic analysis

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 88
Which of the following can Pete, a security administrator, use to distribute the processing effort when generating hashes for a password cracking program?

A. RAID
B. Clustering
C. Redundancy
D. Virtualization

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 89
Which of the following should Jane, a security administrator, perform before a hard drive is analyzed with forensics tools?

A. Identify user habits
B. Disconnect system from network
C. Capture system image
D. Interview witnesses

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 90
Jane, an administrator, needs to make sure the wireless network is not accessible from the parking area of their office. Which of the following would BEST help Jane when deploying a new access point?

A. Placement of antenna
B. Disabling the SSID
C. Implementing WPA2
D. Enabling the MAC filtering

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 91
Which of the following allows Pete, a security technician, to provide the MOST secure wireless implementation?

A. Implement WPA
B. Disable SSID
C. Adjust antenna placement
D. Implement WEP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 92
Which of the following is a management control?

A. Logon banners
B. Written security policy
C. SYN attack prevention
D. Access Control List (ACL)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 93
Which of the following security strategies allows a company to limit damage to internal systems and provides loss control?

A. Restoration and recovery strategies
B. Deterrent strategies
C. Containment strategies
D. Detection strategies

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 94
In order for Sara, a client, to logon to her desktop computer, she must provide her username, password, and a

four digit PIN. Which of the following authentication methods is Sara using?

A. Three factor
B. Single factor
C. Two factor
D. Four factor

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 95
Using proximity card readers instead of the traditional key punch doors would help to mitigate:

A. Impersonation
B. Tailgating
C. Dumpster diving
D. Shoulder surfing

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 96
Which of the following application attacks is used to gain access to SEH?

A. Cookie stealing
B. Buffer overflow
C. Directory traversal
D. XML injection

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 97
Which of the following is an authentication service that uses UDP as a transport medium?

A. TACACS+
B. LDAP
C. Kerberos
D. RADIUS

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 98
Which of the following can be used on a smartphone to BEST protect against sensitive data loss if the device is stolen? (Select TWO).

A. Tethering
B. Screen lock PIN
C. Remote wipe
D. Email password
E. GPS tracking
F. Device encryption

Correct Answer: CF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 99
Jane, a security analyst, is reviewing logs from hosts across the Internet which her company uses to gather data on new malware. Which of the following is being implemented by Jane's company?

A. Vulnerability scanner
B. Honeynet
C. Protocol analyzer
D. Port scanner

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 100
A network administrator has been tasked with securing the WLAN. Which of the following cryptographic products would be used to provide the MOST secure environment for the WLAN?

A. WPA2 CCMP
B. WPA
C. WPA with MAC filtering
D. WPA2 TKIP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Exam B

QUESTION 1
Which of the following should Pete, a security manager, implement to reduce the risk of employees working in collusion to embezzle funds from their company?

A. Privacy Policy
B. Least Privilege
C. Acceptable Use
D. Mandatory Vacations

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Topic 2, Volume B

QUESTION 2
Which of the following will allow Pete, a security analyst, to trigger a security alert because of a tracking cookie?

A. Network based firewall
B. Anti-spam software
C. Host based firewall
D. Anti-spyware software

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 3
Which of the following protocols allows for secure transfer of files? (Select TWO).

A. ICMP
B. SNMP
C. SFTP
D. SCP
E. TFTP

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 4
Which of the following passwords is the LEAST complex?

A. MyTrain!45

B. Mytr@in!!
C. MyTr@in12
D. MyTr@in#8

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 5
During a penetration test from the Internet, Jane, the system administrator, was able to establish a connection to an internal router, but not successfully log in to it. Which ports and protocols are MOST likely to be open on the firewall? (Select FOUR).

A. 21
B. 22
C. 23
D. 69
E. 3389
F. SSH
G. Terminal services
H. Rlogin
I. Rsync
J. Telnet

Correct Answer: BCFJ
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 6
Which of the following is an application security coding problem?

A. Error and exception handling
B. Patch management
C. Application hardening
D. Application fuzzing

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 7
An IT security technician needs to establish host based security for company workstations. Which of the following will BEST meet this requirement?

A. Implement IIS hardening by restricting service accounts.

B. Implement database hardening by applying vendor guidelines.
C. Implement perimeter firewall rules to restrict access.
D. Implement OS hardening by applying GPOs.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
Which of the following is the MOST specific plan for various problems that can arise within a system?

A. Business Continuity Plan
B. Continuity of Operation Plan
C. Disaster Recovery Plan
D. IT Contingency Plan

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 9
Which of the following BEST describes the weakness in WEP encryption?

A. The initialization vector of WEP uses a crack-able RC4 encryption algorithm. Once enough packets are captured an XOR operation can be performed and the asymmetric keys can be derived.
B. The WEP key is stored in plain text and split in portions across 224 packets of random data. Once enough packets are sniffed the IV portion of the packets can be removed leaving the plain text key.
C. The WEP key has a weak MD4 hashing algorithm used. A simple rainbow table can be used to generate key possibilities due to MD4 collisions.
D. The WEP key is stored with a very small pool of random numbers to make the cipher text. As the random numbers are often reused it becomes easy to derive the remaining WEP key.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 10
Sara, the Chief Security Officer (CSO), has had four security breaches during the past two years. Each breach has cost the company $3,000. A third party vendor has offered to repair the security hole in the system for $25,000. The breached system is scheduled to be replaced in five years. Which of the following should Sara do to address the risk?

A. Accept the risk saving $10,000.
B. Ignore the risk saving $5,000.
C. Mitigate the risk saving $10,000.
D. Transfer the risk saving $5,000.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
Which of the following is an authentication and accounting service that uses TCP for connecting to routers and switches?

A. DIAMETER
B. RADIUS
C. TACACS+
D. Kerberos

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
Which of the following can BEST help prevent cross-site scripting attacks and buffer overflows on a production system?

A. Input validation
B. Network intrusion detection system
C. Anomaly-based HIDS
D. Peer review

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 13
Pete, an IT Administrator, needs to secure his server room. Which of the following mitigation methods would provide the MOST physical protection?

A. Sign in and sign out logs
B. Mantrap
C. Video surveillance
D. HVAC

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 14
Which of the following should be connected to the fire alarm system in order to help prevent the spread of a fire in a server room without data loss to assist in an FM-200 deployment?

A. Water base sprinkler system
B. Electrical
C. HVAC
D. Video surveillance

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
Matt, a security consultant, has been tasked with increasing server fault tolerance and has been given no budget to accomplish his task. Which of the following can Matt implement to ensure servers will withstand hardware failure?

A. Hardware load balancing
B. RAID
C. A cold site
D. A host standby

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 16
Which of the following fire suppression systems is MOST likely used in a datacenter?

A. FM-200
B. Dry-pipe
C. Wet-pipe
D. Vacuum

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 17
A security administrator has installed a new KDC for the corporate environment. Which of the following authentication protocols is the security administrator planning to implement across the organization?

A. LDAP
B. RADIUS
C. Kerberos

D. XTACACS

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 18
While opening an email attachment, Pete, a customer, receives an error that the application has encountered an unexpected issue and must be shut down. This could be an example of which of the following attacks?

A. Cross-site scripting
B. Buffer overflow
C. Header manipulation
D. Directory traversal

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 19
Jane has recently implemented a new network design at her organization and wishes to passively identify security issues with the new network. Which of the following should Jane perform?

A. Vulnerability assessment
B. Black box testing
C. White box testing
D. Penetration testing

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
A security technician is working with the network firewall team to implement access controls at the company's demarc as part of the initiation of configuration management processes. One of the network technicians asks the security technician to explain the access control type found in a firewall. With which of the following should the security technician respond?

A. Rule based access control
B. Role based access control
C. Discretionary access control
D. Mandatory access control

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 21
Jane, a security administrator, has been tasked with explaining authentication services to the company's management team. The company runs an active directory infrastructure. Which of the following solutions BEST relates to the host authentication protocol within the company's environment?

A. Kerberos
B. Least privilege
C. TACACS+

D. LDAP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 22
Pete, the compliance manager, wants to meet regulations. Pete would like certain ports blocked only on all computers that do credit card transactions. Which of the following should Pete implement to BEST achieve this goal?

A. A host-based intrusion prevention system
B. A host-based firewall
C. Antivirus update system
D. A network-based intrusion detection system

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
Pete, the system administrator, wants to restrict access to advertisements, games, and gambling web sites. Which of the following devices would BEST achieve this goal?

A. Firewall
B. Switch
C. URL content filter
D. Spam filter

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 24
Pete, the system administrator, wishes to monitor and limit users' access to external websites.
Which of the following would BEST address this?

A. Block all traffic on port 80.
B. Implement NIDS.
C. Use server load balancers.
D. Install a proxy server.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 25
Sara, the security administrator, must configure the corporate firewall to allow all public IP addresses on the internal interface of the firewall to be translated to one public IP address on the external interface of the same firewall. Which of the following should Sara configure?

A. PAT
B. NAP
C. DNAT
D. NAC

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
Matt, a security analyst, needs to select an asymmetric encryption method that allows for the same level of encryption strength with a lower key length than is typically necessary. Which of the following encryption methods offers this capability?

A. Twofish
B. Diffie-Hellman
C. ECC
D. RSA

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
Sara, a security analyst, is trying to prove to management what costs they could incur if their customer database was breached. This database contains 250 records with PII. Studies show that
the cost per record for a breach is $300. The likelihood that their database would be breached in the next year is only 5%. Which of the following is the ALE that Sara should report to management for a security breach?

A. $1,500
B. $3,750
C. $15,000
D. $75,000

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
Methods to test the responses of software and web applications to unusual or unexpected inputs is known as:

A. Brute force.
B. HTML encoding.
C. Web crawling.
D. Fuzzing.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 29
Pete needs to open ports on the firewall to allow for secure transmission of files. Which of the following ports should be opened on the firewall?

A. TCP 23
B. UDP 69
C. TCP 22
D. TCP 21

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
Sara, a security architect, has developed a framework in which several authentication servers work together to increase processing power for an application. Which of the following does this represent?

A. Warm site
B. Load balancing
C. Clustering
D. RAID

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 31
Which statement is TRUE about the operation of a packet sniffer?

A. It can only have one interface on a management network.
B. They are required for firewall operation and stateful inspection.
C. The Ethernet card must be placed in promiscuous mode.
D. It must be placed on a single virtual LAN interface.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 32
Which of the following firewall rules only denies DNS zone transfers?

A. deny udp any any port 53
B. deny ip any any
C. deny tcp any any port 53
D. deny all dns packets

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 33
Which of the following BEST explains the use of an HSM within the company servers?

A. Thumb drives present a significant threat which is mitigated by HSM.
B. Software encryption can perform multiple functions required by HSM.
C. Data loss by removable media can be prevented with DLP.
D. Hardware encryption is faster than software encryption.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 34
Which of the following technologies can store multi-tenant data with different security requirements?

A. Data loss prevention
B. Trusted platform module
C. Hard drive encryption

D. Cloud computing

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 35
Matt, a security analyst, needs to implement encryption for company data and also prevent theft of company data. Where and how should Matt meet this requirement?

A. Matt should implement access control lists and turn on EFS.
B. Matt should implement DLP and encrypt the company database.
C. Matt should install Truecrypt and encrypt the company server.
D. Matt should install TPMs and encrypt the company database.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 36
Which of the following types of encryption will help in protecting files on a PED?

A. Mobile device encryption
B. Transport layer encryption
C. Encrypted hidden container
D. Database encryption

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 37
Which of the following does full disk encryption prevent?

A. Client side attacks
B. Clear text access
C. Database theft
D. Network-based attacks

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 38

Pete, a security analyst, has been informed that the development team has plans to develop an application which does not meet the company's password policy. Which of the following should Pete do NEXT?

A. Contact the Chief Information Officer and ask them to change the company password policy so that the application is made compliant.
B. Tell the application development manager to code the application to adhere to the company's password policy.
C. Ask the application development manager to submit a risk acceptance memo so that the issue can be documented.
D. Inform the Chief Information Officer of non-adherence to the security policy so that the developers can be reprimanded.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 39
Sara, a security manager, has decided to force expiration of all company passwords by the close of business day. Which of the following BEST supports this reasoning?

A. A recent security breach in which passwords were cracked.
B. Implementation of configuration management processes.
C. Enforcement of password complexity requirements.
D. Implementation of account lockout procedures.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 40
Which of the following presents the STRONGEST access control?

A. MAC
B. TACACS
C. DAC
D. RBAC

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 41
Which of the following encompasses application patch management?

A. Configuration management
B. Policy management

C. Cross-site request forgery
D. Fuzzing

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
Sara, an application developer, implemented error and exception handling alongside input validation. Which of the following does this help prevent?

A. Buffer overflow
B. Pop-up blockers
C. Cross-site scripting
D. Fuzzing

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 43
Which of the following is the LEAST volatile when performing incident response procedures?

A. Registers
B. RAID cache
C. RAM
D. Hard drive

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 44
Pete, a developer, writes an application. Jane, the security analyst, knows some things about the overall application but does not have all the details. Jane needs to review the software before it is released to production. Which of the following reviews should Jane conduct?

A. Gray Box Testing
B. Black Box Testing
C. Business Impact Analysis
D. White Box Testing

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 45
The information security team does a presentation on social media and advises the participants not to provide too much personal information on social media web sites. This advice would BEST protect people from which of the following?

A. Rainbow tables attacks
B. Brute force attacks
C. Birthday attacks
D. Cognitive passwords attacks

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 46
Pete's corporation has outsourced help desk services to a large provider. Management has published a procedure that requires all users, when receiving support, to call a special number. Users then need to enter the code provided to them by the help desk technician prior to allowing the technician to work on their PC. Which of the following does this procedure prevent?

A. Collusion
B. Impersonation
C. Pharming
D. Transitive Access

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
Pete, the security engineer, would like to prevent wireless attacks on his network. Pete has implemented a security control to limit the connecting MAC addresses to a single port. Which of the following wireless attacks would this address?

A. Interference
B. Man-in-the-middle
C. ARP poisoning
D. Rogue access point

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 48

Which of the following can be implemented with multiple bit strength?

A. AES
B. DES
C. SHA-1
D. MD5
E. MD4

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 49
Pete, the system administrator, has blocked users from accessing social media web sites. In addition to protecting company information from being accidentally leaked, which additional security benefit does this provide?

A. No competition with the company's official social presence
B. Protection against malware introduced by banner ads
C. Increased user productivity based upon fewer distractions
D. Elimination of risks caused by unauthorized P2P file sharing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 50
Pete, the system administrator, is reviewing his disaster recovery plans. He wishes to limit the downtime in the event of a disaster, but does not have the budget approval to implement or maintain an offsite location that ensures 99.99% availability. Which of the following would be Pete's BEST option?

A. Use hardware already at an offsite location and configure it to be quickly utilized.
B. Move the servers and data to another part of the company's main campus from the server room.
C. Retain data back-ups on the main campus and establish redundant servers in a virtual environment.
D. Move the data back-ups to the offsite location, but retain the hardware on the main campus for redundancy.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
A network stream needs to be encrypted. Sara, the network administrator, has selected a cipher which will encrypt 8 bits at a time before sending the data across the network. Which of the following has Sara selected?

A. Block cipher
B. Stream cipher

C. CRC
D. Hashing algorithm

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 52
Pete, a security auditor, has detected clear text passwords between the RADIUS server and the authenticator. Which of the following is configured in the RADIUS server and what technologies should the authentication protocol be changed to?

A. PAP, MSCHAPv2
B. CHAP, PAP
C. MSCHAPv2, NTLMv2
D. NTLM, NTLMv2

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
Which of the following is an advantage of implementing individual file encryption on a hard drive which already deploys full disk encryption?

A. Reduces processing overhead required to access the encrypted files
B. Double encryption causes the individually encrypted files to partially lose their properties
C. Individually encrypted files will remain encrypted when copied to external media
D. File level access control only apply to individually encrypted files in a fully encrypted drive

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 54
An IT director is looking to reduce the footprint of their company's server environment. They have decided to move several internally developed software applications to an alternate environment, supported by an external company. Which of the following BEST describes this arrangement?

A. Infrastructure as a Service
B. Storage as a Service
C. Platform as a Service
D. Software as a Service

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 55
A forensic analyst is reviewing electronic evidence after a robbery. Security cameras installed at the site were facing the wrong direction to capture the incident. The analyst ensures the cameras are turned to face the proper direction. Which of the following types of controls is being used?

A. Detective
B. Deterrent
C. Corrective
D. Preventive

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
A security administrator wishes to change their wireless network so that IPSec is built into the protocol and NAT is no longer required for address range extension. Which of the following protocols should be used in this scenario?

A. WPA2
B. WPA
C. IPv6
D. IPv4

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 57
The network administrator is responsible for promoting code to applications on a DMZ web server. Which of the following processes is being followed to ensure application integrity?

A. Application hardening
B. Application firewall review
C. Application change management
D. Application patch management

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 58

An IT auditor tests an application as an authenticated user. This is an example of which of the following types of testing?

A. Penetration
B. White box
C. Black box
D. Gray box

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 59
The manager has a need to secure physical documents every night, since the company began enforcing the clean desk policy. The BEST solution would include: (Select TWO).

A. Fire- or water-proof safe.
B. Department door locks.
C. Proximity card.
D. 24-hour security guard.
E. Locking cabinets and drawers.

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 60
Which of the following is an important implementation consideration when deploying a wireless network that uses a shared password?

A. Authentication server
B. Server certificate
C. Key length
D. EAP method

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 61
Which of the following would satisfy wireless network implementation requirements to use mutual authentication and usernames and passwords?

A. EAP-MD5
B. WEP
C. PEAP-MSCHAPv2

D. EAP-TLS

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 62
Some customers have reported receiving an untrusted certificate warning when visiting the company's website. The administrator ensures that the certificate is not expired and that customers have trusted the original issuer of the certificate. Which of the following could be causing the problem?

A. The intermediate CA certificates were not installed on the server.
B. The certificate is not the correct type for a virtual server.
C. The encryption key used in the certificate is too short.
D. The client's browser is trying to negotiate SSL instead of TLS.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 63
A security analyst needs to ensure all external traffic is able to access the company's front-end servers but protect all access to internal resources. Which of the following network design elements would MOST likely be recommended?

A. DMZ
B. Cloud computing
C. VLAN
D. Virtualization

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
A company's business model was changed to provide more web presence and now its ERM software is no longer able to support the security needs of the company. The current data center will continue to provide network and security services. Which of the following network elements would be used to support the new business model?

A. Software as a Service
B. DMZ
C. Remote access support
D. Infrastructure as a Service

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 65
Which of the following network devices is used to analyze traffic between various network interfaces?

A. Proxies
B. Firewalls
C. Content inspection
D. Sniffers

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 66
Layer 7 devices used to prevent specific types of html tags are called:

A. Firewalls.
B. Content filters.
C. Routers.
D. NIDS.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 67
A network administrator needs to provide daily network usage reports on all layer 3 devices without compromising any data while gathering the information. Which of the following would be configured to provide these reports?

A. SNMP
B. SNMPv3
C. ICMP
D. SSH

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 68
A security administrator has been tasked to ensure access to all network equipment is controlled by a central server such as TACACS+. This type of implementation supports which of the following risk mitigation strategies?

A. User rights and permissions review
B. Change management
C. Data loss prevention
D. Implement procedures to prevent data theft

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 69
Company A sends a PGP encrypted file to company B. If company A used company B's public key to encrypt the file, which of the following should be used to decrypt data at company B?

A. Registration
B. Public key
C. CRLs
D. Private key

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 70
Which of the following types of authentication solutions use tickets to provide access to various resources from a central location?

A. Biometrics
B. PKI
C. ACLs
D. Kerberos

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 71
A corporation is looking to expand their data center but has run out of physical space in which to store hardware. Which of the following would offer the ability to expand while keeping their current data center operated by internal staff?

A. Virtualization
B. Subnetting
C. IaaS
D. SaaS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 72
After viewing wireless traffic, an attacker notices the following networks are being broadcasted by local access points:

Corpnet

Coffeeshop

FreePublicWifi

Using this information the attacker spoofs a response to make nearby laptops connect back to a malicious device. Which of the following has the attacker created?

A. Infrastructure as a Service
B. Load balancer
C. Evil twin
D. Virtualized network

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 73
Which of the following concepts is enforced by certifying that email communications have been sent by who the message says it has been sent by?

A. Key escrow
B. Non-repudiation
C. Multifactor authentication
D. Hashing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 74
After a recent breach, the security administrator performs a wireless survey of the corporate network. The security administrator notices a problem with the following output:

MACSSIDENCRYPTIONPOWERBEACONS

00:10:A1:36:12:CCMYCORPWPA2 CCMP601202

00:10:A1:49:FC:37MYCORPWPA2 CCMP709102

FB:90:11:42:FA:99MYCORPWPA2 CCMP403031

00:10:A1:AA:BB:CCMYCORPWPA2 CCMP552021

00:10:A1:FA:B1:07MYCORPWPA2 CCMP306044

Given that the corporate wireless network has been standardized, which of the following attacks is underway?

A. Evil twin
B. IV attack
C. Rogue AP
D. DDoS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 75
Input validation is an important security defense because it:

A. rejects bad or malformed data.
B. enables verbose error reporting.
C. protects mis-configured web servers.
D. prevents denial of service attacks.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 76
In order to maintain oversight of a third party service provider, the company is going to implement a Governance, Risk, and Compliance (GRC) system. This system is promising to provide overall security posture coverage. Which of the following is the MOST important activity that should be considered?

A. Continuous security monitoring
B. Baseline configuration and host hardening
C. Service Level Agreement (SLA) monitoring
D. Security alerting and trending

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 77
A recent audit of a company's identity management system shows that 30% of active accounts belong to people no longer with the firm. Which of the following should be performed to help avoid this scenario? (Select

TWO).

A. Automatically disable accounts that have not been utilized for at least 10 days.
B. Utilize automated provisioning and de-provisioning processes where possible.
C. Request that employees provide a list of systems that they have access to prior to leaving the firm.
D. Perform regular user account review / revalidation process.
E. Implement a process where new account creations require management approval.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 78
The Chief Information Officer (CIO) has mandated web based Customer Relationship Management (CRM) business functions be moved offshore to reduce cost, reduce IT overheads, and improve availability. The Chief Risk Officer (CRO) has agreed with the CIO's direction but has mandated that key authentication systems be run within the organization's network. Which of the following would BEST meet the CIO and CRO's requirements?

A. Software as a Service
B. Infrastructure as a Service
C. Platform as a Service
D. Hosted virtualization service

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
Which of the following provides the BEST application availability and is easily expanded as demand grows?

A. Server virtualization
B. Load balancing
C. Active-Passive Cluster
D. RAID 6

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 80
An administrator connects VoIP phones to the same switch as the network PCs and printers. Which of the following would provide the BEST logical separation of these three device types while still allowing traffic between them via ACL?

A. Create three VLANs on the switch connected to a router

B. Define three subnets, configure each device to use their own dedicated IP address range, and then connect the network to a router
C. Install a firewall and connect it to the switch
D. Install a firewall and connect it to a dedicated switch for each device type

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
Which of the following wireless security measures can an attacker defeat by spoofing certain properties of their network interface card?

A. WEP
B. MAC filtering
C. Disabled SSID broadcast
D. TKIP

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 82
Which of the following provides additional encryption strength by repeating the encryption process with additional keys?

A. AES
B. 3DES
C. TwoFish
D. Blowfish

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 83
Which of the following BEST describes part of the PKI process?

A. User1 decrypts data with User2's private key
B. User1 hashes data with User2's public key
C. User1 hashes data with User2's private key
D. User1 encrypts data with User2's public key

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 84
Two members of the finance department have access to sensitive information. The company is concerned they may work together to steal information. Which of the following controls could be implemented to discover if they are working together?

A. Least privilege access
B. Separation of duties
C. Mandatory access control
D. Mandatory vacations

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 85
A system administrator attempts to ping a hostname and the response is 2001:4860:0:2001::68. Which of the following replies has the administrator received?

A. The loopback address
B. The local MAC address
C. IPv4 address
D. IPv6 address

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 86
Which of the following allows a network administrator to implement an access control policy based on individual user characteristics and NOT on job function?

A. Attributes based
B. Implicit deny
C. Role based
D. Rule based

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 87
Which of the following is a best practice when a mistake is made during a forensics examination?

A. The examiner should verify the tools before, during, and after an examination.
B. The examiner should attempt to hide the mistake during cross-examination.
C. The examiner should document the mistake and workaround the problem.
D. The examiner should disclose the mistake and assess another area of the disc.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 88
Which of the following allows lower level domains to access resources in a separate Public Key Infrastructure?

A. Trust Model
B. Recovery Agent
C. Public Key
D. Private Key

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 89
Which of the following offers the LEAST secure encryption capabilities?

A. TwoFish
B. PAP
C. NTLM
D. CHAP

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 90
Which of the following network architecture concepts is used to securely isolate at the boundary between networks?

A. VLAN
B. Subnetting
C. DMZ
D. NAT

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 91
Datacenter access is controlled with proximity badges that record all entries and exits from the datacenter. The access records are used to identify which staff members accessed the data center in the event of equipment theft. Which of the following MUST be prevented in order for this policy to be effective?

A. Password reuse
B. Phishing
C. Social engineering
D. Tailgating

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 92
Elastic cloud computing environments often reuse the same physical hardware for multiple customers over time as virtual machines are instantiated and deleted. This has important implications for which of the following data security concerns?

A. Hardware integrity
B. Data confidentiality
C. Availability of servers
D. Integrity of data

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 93
When implementing fire suppression controls in a datacenter it is important to:

A. Select a fire suppression system which protects equipment but may harm technicians.
B. Ensure proper placement of sprinkler lines to avoid accidental leakage onto servers.
C. Integrate maintenance procedures to include regularly discharging the system.
D. Use a system with audible alarms to ensure technicians have 20 minutes to evacuate.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 94
Vendors typically ship software applications with security settings disabled by default to ensure a wide range of interoperability with other applications and devices. A security administrator should perform which of the following before deploying new software?

A. Application white listing
B. Network penetration testing
C. Application hardening
D. Input fuzzing testing

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 95
A technician is deploying virtual machines for multiple customers on a single physical host to reduce power consumption in a data center. Which of the following should be recommended to isolate the VMs from one another?

A. Implement a virtual firewall
B. Install HIPS on each VM
C. Virtual switches with VLANs
D. Develop a patch management guide

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 96
Mandatory vacations are a security control which can be used to uncover which of the following?

A. Fraud committed by a system administrator
B. Poor password security among users
C. The need for additional security staff
D. Software vulnerabilities in vendor code

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 97
Each server on a subnet is configured to only allow SSH access from the administrator's workstation. Which of the following BEST describes this implementation?

A. Host-based firewalls
B. Network firewalls
C. Network proxy
D. Host intrusion prevention

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 98
During a security assessment, an administrator wishes to see which services are running on a remote server. Which of the following should the administrator use?

A. Port scanner
B. Network sniffer
C. Protocol analyzer
D. Process list

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 99
In which of the following categories would creating a corporate privacy policy, drafting acceptable use policies, and group based access control be classified?

A. Security control frameworks
B. Best practice
C. Access control methodologies
D. Compliance activity

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 100
Disabling unnecessary services, restricting administrative access, and enabling auditing controls on a server are forms of which of the following?

A. Application patch management
B. Cross-site scripting prevention
C. Creating a security baseline
D. System hardening

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Exam C

QUESTION 1
A network administrator has recently updated their network devices to ensure redundancy is in place so that:

A. switches can redistribute routes across the network.
B. environmental monitoring can be performed.
C. single points of failure are removed.
D. hot and cold aisles are functioning.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 2
A network administrator recently updated various network devices to ensure redundancy throughout the network. If an interface on any of the Layer 3 devices were to go down, traffic will still pass through another interface and the production environment would be unaffected. This type of configuration represents which of the following concepts?

A. High availability
B. Load balancing
C. Backout contingency plan
D. Clustering

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 3
A system administrator needs to ensure that certain departments have more restrictive controls to their shared folders than other departments. Which of the following security controls would be implemented to restrict those departments?

A. User assigned privileges
B. Password disablement
C. Multiple account creation
D. Group based privileges

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 4
A network analyst received a number of reports that impersonation was taking place on the network. Session tokens were deployed to mitigate this issue and defend against which of the following attacks?

A. Replay
B. DDoS
C. Smurf
D. Ping of Death

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 5
Which of the following controls would prevent an employee from emailing unencrypted information to their personal email account over the corporate network?

A. DLP
B. CRL
C. TPM
D. HSM

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 6
Which of the following is a measure of biometrics performance which rates the ability of a system to correctly authenticate an authorized user?

A. Failure to capture
B. Type II
C. Mean time to register
D. Template capacity

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 7
A company with a US-based sales force has requested that the VPN system be configured to authenticate the sales team based on their username, password and a client side certificate. Additionally, the security administrator has restricted the VPN to only allow authentication from the US territory. How many authentication factors are in use by the VPN system?

A. 1
B. 2
C. 3
D. 4

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
A software development company wants to implement a digital rights management solution to protect its intellectual property. Which of the following should the company implement to enforce software digital rights?

A. Transport encryption
B. IPsec
C. Non-repudiation
D. Public key infrastructure

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 9
Users are unable to connect to the web server at IP 192.168.0.20. Which of the following can be inferred of a firewall that is configured ONLY with the following ACL? PERMIT TCP ANY HOST 192.168.0.10 EQ 80

PERMIT TCP ANY HOST 192.168.0.10 EQ 443

A. It implements stateful packet filtering.
B. It implements bottom-up processing.
C. It failed closed.
D. It implements an implicit deny.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 10
Which of the following security awareness training is BEST suited for data owners who are concerned with protecting the confidentiality of their data?

A. Social networking use training
B. Personally owned device policy training
C. Tailgating awareness policy training
D. Information classification training

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
A security administrator is concerned about the strength of user's passwords. The company does not want to implement a password complexity policy. Which of the following can the security administrator implement to mitigate the risk of an online password attack against users with weak passwords?

A. Increase the password length requirements
B. Increase the password history
C. Shorten the password expiration period
D. Decrease the account lockout time

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
A company has purchased an application that integrates into their enterprise user directory for account authentication. Users are still prompted to type in their usernames and passwords. Which of the following types of authentication is being utilized here?

A. Separation of duties
B. Least privilege
C. Same sign-on
D. Single sign-on

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 13
Which of the following are Data Loss Prevention (DLP) strategies that address data in transit issues? (Select TWO).

A. Scanning printing of documents.
B. Scanning of outbound IM (Instance Messaging).
C. Scanning copying of documents to USB.
D. Scanning of SharePoint document library.
E. Scanning of shared drives.
F. Scanning of HTTP user traffic.

Correct Answer: BF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 14
A user casually browsing the Internet is redirected to a warez site where a number of pop-ups appear. After clicking on a pop-up to complete a survey, a drive-by download occurs. Which of the following is MOST likely to

be contained in the download?

A. Backdoor
B. Spyware
C. Logic bomb
D. DDoS
E. Smurf

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
A security administrator plans on replacing a critical business application in five years. Recently, there was a security flaw discovered in the application that will cause the IT department to manually re-enable user accounts each month at a cost of $2,000. Patching the application today would cost $140,000 and take two months to implement. Which of the following should the security administrator do in regards to the application?

A. Avoid the risk to the user base allowing them to re-enable their own accounts
B. Mitigate the risk by patching the application to increase security and saving money
C. Transfer the risk replacing the application now instead of in five years
D. Accept the risk and continue to enable the accounts each month saving money

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 16
The IT department has setup a share point site to be used on the intranet. Security has established the groups and permissions on the site. No one may modify the permissions and all requests for access are centrally managed by the security team. This is an example of which of the following control types?

A. Rule based access control
B. Mandatory access control
C. User assigned privilege
D. Discretionary access control

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 17
Purchasing receives a phone call from a vendor asking for a payment over the phone. The phone number displayed on the caller ID matches the vendor's number. When the purchasing agent asks to call the vendor back, they are given a different phone number with a different area code. Which of the following attack types is this?

A. Hoax
B. Impersonation
C. Spear phishing
D. Whaling

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 18
Purchasing receives an automated phone call from a bank asking to input and verify credit card information. The phone number displayed on the caller ID matches the bank. Which of the following attack types is this?

A. Hoax
B. Phishing
C. Vishing
D. Whaling

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 19
The IT department has setup a website with a series of questions to allow end users to reset their own accounts. Which of the following account management practices does this help?

A. Account Disablements
B. Password Expiration
C. Password Complexity
D. Password Recovery

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
An information bank has been established to store contacts, phone numbers and other records. A UNIX application needs to connect to the index server using port 389. Which of the following authentication services should be used on this port by default?

A. RADIUS
B. Kerberos
C. TACACS+
D. LDAP

Correct Answer: D

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 21
An internal auditor is concerned with privilege creep that is associated with transfers inside the company. Which mitigation measure would detect and correct this?

A. User rights reviews
B. Least privilege and job rotation
C. Change management
D. Change Control

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 22
Which of the following is the default port for TFTP?

A. 20
B. 69
C. 21
D. 68

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
Which of the following concepts are included on the three sides of the "security triangle"? (Select THREE).

A. Confidentiality
B. Availability
C. Integrity
D. Authorization
E. Authentication
F. Continuity

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 24

Which of the following concepts allows an organization to group large numbers of servers together in order to deliver a common service?

A. Clustering
B. RAID
C. Backup Redundancy
D. Cold site

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 25
Which of the following security concepts identifies input variables which are then used to perform boundary testing?

A. Application baseline
B. Application hardening
C. Secure coding
D. Fuzzing

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
Users need to exchange a shared secret to begin communicating securely. Which of the following is another name for this symmetric key?

A. Session Key
B. Public Key
C. Private Key
D. Digital Signature

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
Which of the following cryptographic related browser settings allows an organization to communicate securely?

A. SSL 3.0/TLS 1.0
B. 3DES
C. Trusted Sites
D. HMAC

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
Which of the following is the BEST reason to provide user awareness and training programs for organizational staff?

A. To ensure proper use of social media
B. To reduce organizational IT risk
C. To detail business impact analyses
D. To train staff on zero-days

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 29
A firewall technician has been instructed to disable all non-secure ports on a corporate firewall. The technician has blocked traffic on port 21, 69, 80, and 137-139. The technician has allowed traffic on ports 22 and 443. Which of the following correctly lists the protocols blocked and allowed?

A. Blocked: TFTP, HTTP, NetBIOS; Allowed: HTTPS, FTP
B. Blocked: FTP, TFTP, HTTP, NetBIOS; Allowed: SFTP, SSH, SCP, HTTPS
C. Blocked: SFTP, TFTP, HTTP, NetBIOS; Allowed: SSH, SCP, HTTPS
D. Blocked: FTP, HTTP, HTTPS; Allowed: SFTP, SSH, SCP, NetBIOS

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
A security administrator is responsible for performing periodic reviews of user permission settings due to high turnover and internal transfers at a corporation. Which of the following BEST describes the procedure and security rationale for performing such reviews?

A. Review all user permissions and group memberships to ensure only the minimum set of permissions required to perform a job is assigned.
B. Review the permissions of all transferred users to ensure new permissions are granted so the employee can work effectively.
C. Ensure all users have adequate permissions and appropriate group memberships, so the volume of help desk calls is reduced.
D. Ensure former employee accounts have no permissions so that they cannot access any network file stores and resources.

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 31
A system administrator is responding to a legal order to turn over all logs from all company servers. The system administrator records the system time of all servers to ensure that:

A. HDD hashes are accurate.
B. the NTP server works properly.
C. chain of custody is preserved.
D. time offset can be calculated.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 32
While rarely enforced, mandatory vacation policies are effective at uncovering:

A. Help desk technicians with oversight by multiple supervisors and detailed quality control systems.
B. Collusion between two employees who perform the same business function.
C. Acts of incompetence by a systems engineer designing complex architectures as a member of a team.
D. Acts of gross negligence on the part of system administrators with unfettered access to system and no oversight.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 33
A company hires outside security experts to evaluate the security status of the corporate network. All of the company's IT resources are outdated and prone to crashing. The company requests that all testing be performed in a way which minimizes the risk of system failures. Which of the following types of testing does the company want performed?

A. Penetration testing
B. WAF testing
C. Vulnerability scanning
D. White box testing

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 34

A security administrator notices that a specific network administrator is making unauthorized changes to the firewall every Saturday morning. Which of the following would be used to mitigate this issue so that only security administrators can make changes to the firewall?

A. Mandatory vacations
B. Job rotation
C. Least privilege
D. Time of day restrictions

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 35
A security administrator notices large amounts of traffic within the network heading out to an external website. The website seems to be a fake bank site with a phone number that when called, asks for sensitive information. After further investigation, the security administrator notices that a fake link was sent to several users. This is an example of which of the following attacks?

A. Vishing
B. Phishing
C. Whaling
D. SPAM
E. SPIM

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 36
After a user performed a war driving attack, the network administrator noticed several similar markings where WiFi was available throughout the enterprise. Which of the following is the term used to describe these markings?

A. IV attack
B. War dialing
C. Rogue access points
D. War chalking

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 37
The system administrator notices that their application is no longer able to keep up with the large amounts of traffic their server is receiving daily. Several packets are dropped and sometimes the server is taken offline. Which of the following would be a possible solution to look into to ensure their application remains secure and

available?

A. Cloud computing
B. Full disk encryption
C. Data Loss Prevention
D. HSM

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 38
After a recent internal audit, the security administrator was tasked to ensure that all credentials must be changed within 90 days, cannot be repeated, and cannot contain any dictionary words or patterns. All credentials will remain enabled regardless of the number of attempts made. Which of the following types of user account options were enforced? (Select TWO).

A. Recovery
B. User assigned privileges
C. Lockout
D. Disablement
E. Group based privileges
F. Password expiration
G. Password complexity

Correct Answer: FG
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 39
A security analyst has been notified that trade secrets are being leaked from one of the executives in the corporation. When reviewing this executive's laptop they notice several pictures of the employee's pets are on the hard drive and on a cloud storage network. When the analyst hashes the images on the hard drive against the hashes on the cloud network they do not match. Which of the following describes how the employee is leaking these secrets?

A. Social engineering
B. Steganography
C. Hashing
D. Digital signatures

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 40

During a routine audit a web server is flagged for allowing the use of weak ciphers. Which of the following should be disabled to mitigate this risk? (Select TWO).

A. SSL 1.0
B. RC4
C. SSL 3.0
D. AES
E. DES
F. TLS 1.0

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 41
Review the following diagram depicting communication between PC1 and PC2 on each side of a router. Analyze the network traffic logs which show communication between the two computers as captured by the computer with IP 10.2.2.10.

DIAGRAM

PC1 PC2

[192.168.1.30]--------[INSIDE 192.168.1.1 router OUTSIDE 10.2.2.1]---------[10.2.2.10] LOGS

10:30:22, SRC 10.2.2.1:3030, DST 10.2.2.10:80, SYN

10:30:23, SRC 10.2.2.10:80, DST 10.2.2.1:3030, SYN/ACK

10:30:24, SRC 10.2.2.1:3030, DST 10.2.2.10:80, ACK

Given the above information, which of the following can be inferred about the above environment?

A. 192.168.1.30 is a web server.
B. The web server listens on a non-standard port.
C. The router filters port 80 traffic.
D. The router implements NAT.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
The Chief Information Officer (CIO) wants to implement a redundant server location to which the production server images can be moved within 48 hours and services can be quickly restored, in case of a catastrophic failure of the primary datacenter's HVAC. Which of the following can be implemented?

A. Cold site
B. Load balancing
C. Warm site

D. Hot site

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 43
The security administrator is observing unusual network behavior from a workstation. The workstation is communicating with a known malicious destination over an encrypted tunnel. A full antivirus scan, with an updated antivirus definition file, does not show any signs of infection. Which of the following has happened on the workstation?

A. Zero-day attack
B. Known malware infection
C. Session hijacking
D. Cookie stealing

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 44
Which of the following controls can be used to prevent the disclosure of sensitive information stored on a mobile device's removable media in the event that the device is lost or stolen?

A. Hashing
B. Screen locks
C. Device password
D. Encryption

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 45
Which of the following should be performed to increase the availability of IP telephony by prioritizing traffic?

A. Subnetting
B. NAT
C. Quality of service
D. NAC

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 46
A malicious program modified entries in the LMHOSTS file of an infected system. Which of the following protocols would have been affected by this?

A. ICMP
B. BGP
C. NetBIOS
D. DNS

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
A victim is logged onto a popular home router forum site in order to troubleshoot some router configuration issues. The router is a fairly standard configuration and has an IP address of 192.168.1.1. The victim is logged into their router administrative interface in one tab and clicks a forum link in another tab. Due to clicking the forum link, the home router reboots. Which of the following attacks MOST likely occurred?

A. Brute force password attack
B. Cross-site request forgery
C. Cross-site scripting
D. Fuzzing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 48
Which of the following assets is MOST likely considered for DLP?

A. Application server content
B. USB mass storage devices
C. Reverse proxy
D. Print server

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 49
In order to securely communicate using PGP, the sender of an email must do which of the following when sending an email to a recipient for the first time?

A. Import the recipient's public key

B. Import the recipient's private key
C. Export the sender's private key
D. Export the sender's public key

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 50
A hacker has discovered a simple way to disrupt business for the day in a small company which relies on staff working remotely. In a matter of minutes the hacker was able to deny remotely working staff access to company systems with a script. Which of the following security controls is the hacker exploiting?

A. DoS
B. Account lockout
C. Password recovery
D. Password complexity

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
A security specialist has been asked to evaluate a corporate network by performing a vulnerability assessment. Which of the following will MOST likely be performed?

A. Identify vulnerabilities, check applicability of vulnerabilities by passively testing security controls.
B. Verify vulnerabilities exist, bypass security controls and exploit the vulnerabilities.
C. Exploit security controls to determine vulnerabilities and mis-configurations.
D. Bypass security controls and identify applicability of vulnerabilities by passively testing security controls.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 52
A security technician is attempting to access a wireless network protected with WEP. The technician does not know any information about the network. Which of the following should the technician do to gather information about the configuration of the wireless network?

A. Spoof the MAC address of an observed wireless network client
B. Ping the access point to discover the SSID of the network
C. Perform a dictionary attack on the access point to enumerate the WEP key
D. Capture client to access point disassociation packets to replay on the local PC's loopback

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
After an assessment, auditors recommended that an application hosting company should contract with additional data providers for redundant high speed Internet connections. Which of the following is MOST likely the reason for this recommendation? (Select TWO).

A. To allow load balancing for cloud support
B. To allow for business continuity if one provider goes out of business
C. To eliminate a single point of failure
D. To allow for a hot site in case of disaster
E. To improve intranet communication speeds

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 54
A router has a single Ethernet connection to a switch. In the router configuration, the Ethernet interface has three sub-interfaces, each configured with ACLs applied to them and 802.1q trunks. Which of the following is MOST likely the reason for the sub-interfaces?

A. The network uses the subnet of 255.255.255.128.
B. The switch has several VLANs configured on it.
C. The sub-interfaces are configured for VoIP traffic.
D. The sub-interfaces each implement quality of service.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 55
Which of the following should be enabled in a laptop's BIOS prior to full disk encryption?

A. USB
B. HSM
C. RAID
D. TPM

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
Company employees are required to have workstation client certificates to access a bank website. These certificates were backed up as a precautionary step before the new computer upgrade. After the upgrade and restoration, users state they can access the bank's website, but not login.
Which is the following is MOST likely the issue?

A. The IP addresses of the clients have change
B. The client certificate passwords have expired on the server
C. The certificates have not been installed on the workstations
D. The certificates have been installed on the CA

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 57
Digital Signatures provide which of the following?

A. Confidentiality
B. Authorization
C. Integrity
D. Authentication
E. Availability

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 58
A user ID and password together provide which of the following?

A. Authorization
B. Auditing
C. Authentication
D. Identification

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 59
RADIUS provides which of the following?

A. Authentication, Authorization, Availability
B. Authentication, Authorization, Auditing
C. Authentication, Accounting, Auditing

D. Authentication, Authorization, Accounting

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 60
A recent intrusion has resulted in the need to perform incident response procedures. The incident response team has identified audit logs throughout the network and organizational systems which hold details of the security breach. Prior to this incident, a security consultant informed the company that they needed to implement an NTP server on the network. Which of the following is a problem that the incident response team will likely encounter during their assessment?

A. Chain of custody
B. Tracking man hours
C. Record time offset
D. Capture video traffic

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 61
A recent computer breach has resulted in the incident response team needing to perform a forensics examination. Upon examination, the forensics examiner determines that they cannot tell which captured hard drive was from the device in question. Which of the following would have prevented the confusion experienced during this examination?

A. Perform routine audit
B. Chain of custody
C. Evidence labeling
D. Hashing the evidence

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 62
An IT staff member was entering the datacenter when another person tried to piggyback into the datacenter as the door was opened. While the IT staff member attempted to question the other individual by politely asking to see their badge, the individual refused and ran off into the datacenter. Which of the following should the IT staff member do NEXT?

A. Call the police while tracking the individual on the closed circuit television system
B. Contact the forensics team for further analysis
C. Chase the individual to determine where they are going and what they are doing
D. Contact the onsite physical security team with a description of the individual

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 63
During a recent user awareness and training session, a new staff member asks the Chief Information Security Officer (CISO) why the company does not allow personally owned devices into the company facilities. Which of the following represents how the CISO should respond?

A. Company A views personally owned devices as creating an unacceptable risk to the organizational IT systems.
B. Company A has begun to see zero-day attacks against personally owned devices disconnected from the network.
C. Company A believes that staff members should be focused on their work while in the company's facilities.
D. Company A has seen social engineering attacks against personally owned devices and does not allow their use.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
A user has received an email from an external source which asks for details on the company's new product line set for release in one month. The user has a detailed spec sheet but it is marked "Internal Proprietary Information". Which of the following should the user do NEXT?

A. Contact their manager and request guidance on how to best move forward
B. Contact the help desk and/or incident response team to determine next steps
C. Provide the requestor with the email information since it will be released soon anyway
D. Reply back to the requestor to gain their contact information and call them

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 65
Which of the following techniques enables a highly secured organization to assess security weaknesses in real time?

A. Access control lists
B. Continuous monitoring
C. Video surveillance
D. Baseline reporting

Correct Answer: B
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 66
Which of the following techniques can be used to prevent the disclosure of system information resulting from arbitrary inputs when implemented properly?

A. Fuzzing
B. Patch management
C. Error handling
D. Strong passwords

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 67
Encryption of data at rest is important for sensitive information because of which of the following?

A. Facilitates tier 2 support, by preventing users from changing the OS
B. Renders the recovery of data harder in the event of user password loss
C. Allows the remote removal of data following eDiscovery requests
D. Prevents data from being accessed following theft of physical equipment

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 68
Which of the following is synonymous with a server's certificate?

A. Public key
B. CRL
C. Private key
D. Recovery agent

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 69
A network administrator noticed various chain messages have been received by the company. Which of the following security controls would need to be implemented to mitigate this issue?

A. Anti-spam

B. Antivirus
C. Host-based firewalls
D. Anti-spyware

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 70
Which of the following types of application attacks would be used to specifically gain unauthorized information from databases that did not have any input validation implemented?

A. SQL injection
B. Session hijacking and XML injection
C. Cookies and attachments
D. Buffer overflow and XSS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 71
Which of the following should be deployed to prevent the transmission of malicious traffic between virtual machines hosted on a singular physical device on a network?

A. HIPS on each virtual machine
B. NIPS on the network
C. NIDS on the network
D. HIDS on each virtual machine

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 72
A security administrator wants to get a real time look at what attackers are doing in the wild, hoping to lower the risk of zero-day attacks. Which of the following should be used to accomplish this goal?

A. Penetration testing
B. Honeynets
C. Vulnerability scanning
D. Baseline reporting

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 73
Which of the following protocols is the security administrator observing in this packet capture?

12:33:43, SRC 192.168.4.3:3389, DST 10.67.33.20:8080, SYN/ACK

A. HTTPS
B. RDP
C. HTTP
D. SFTP

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 74
Which of the following is true about asymmetric encryption?

A. A message encrypted with the private key can be decrypted by the same key
B. A message encrypted with the public key can be decrypted with a shared key.
C. A message encrypted with a shared key, can be decrypted by the same key.
D. A message encrypted with the public key can be decrypted with the private key.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 75
Which of the following is true about an email that was signed by User A and sent to User B?

A. User A signed with User B's private key and User B verified with their own public key.
B. User A signed with their own private key and User B verified with User A's public key.
C. User A signed with User B's public key and User B verified with their own private key.
D. User A signed with their own public key and User B verified with User A's private key.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 76
The Chief Information Officer (CIO) is concerned with moving an application to a SaaS cloud provider. Which of the following can be implemented to provide for data confidentiality assurance during and after the migration to the cloud?

A. HPM technology
B. Full disk encryption
C. DLP policy
D. TPM technology

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 77
Which of the following protocols encapsulates an IP packet with an additional IP header?

A. SFTP
B. IPSec
C. HTTPS
D. SSL

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 78
A program has been discovered that infects a critical Windows system executable and stays dormant in memory. When a Windows mobile phone is connected to the host, the program infects the phone's boot loader and continues to target additional Windows PCs or phones. Which of the following malware categories BEST describes this program?

A. Zero-day
B. Trojan
C. Virus
D. Rootkit

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
A user has unknowingly gone to a fraudulent site. The security analyst notices the following system change on the user's host:

Old `hosts' file:

127.0.0.1 localhost

New `hosts' file:

127.0.0.1 localhost

5.5.5.5 www.comptia.com

Which of the following attacks has taken place?

A. Spear phishing
B. Pharming
C. Phishing
D. Vishing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 80
An investigator recently discovered that an attacker placed a remotely accessible CCTV camera in a public area overlooking several Automatic Teller Machines (ATMs). It is also believed that user accounts belonging to ATM operators may have been compromised. Which of the following attacks has MOST likely taken place?

A. Shoulder surfing
B. Dumpster diving
C. Whaling attack
D. Vishing attack

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
A user commuting to work via public transport received an offensive image on their smart phone from another commuter. Which of the following attacks MOST likely took place?

A. War chalking
B. Bluejacking
C. War driving
D. Bluesnarfing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 82
An attacker attempted to compromise a web form by inserting the following input into the username field:

admin)(|(password=*))
Which of the following types of attacks was attempted?

A. SQL injection
B. Cross-site scripting
C. Command injection
D. LDAP injection

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

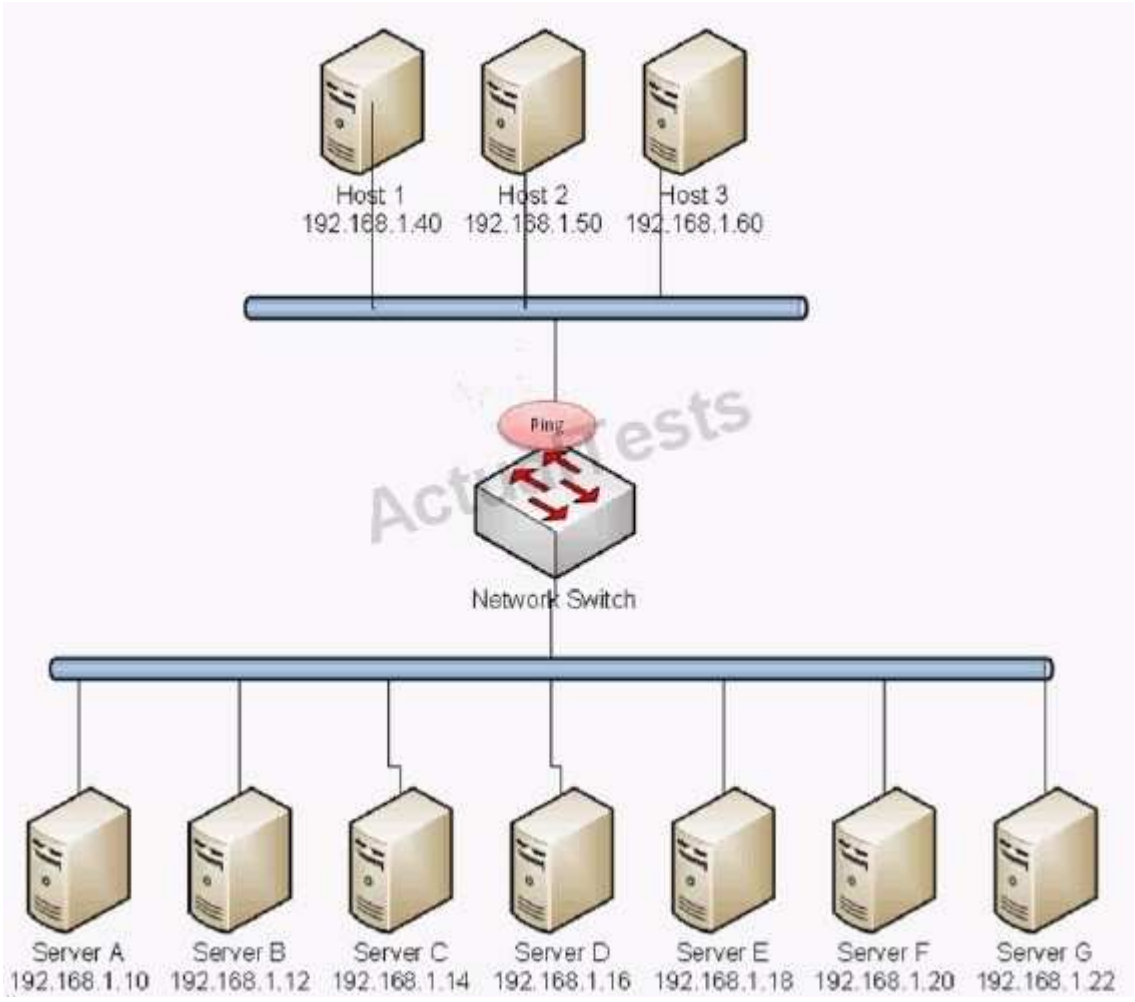
QUESTION 83
Which of the following is BEST carried out immediately after a security breach is discovered?

A. Risk transference
B. Access control revalidation
C. Change management
D. Incident management

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 84
-- Exhibit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Host 2
192.168.1.50
Host 3
192.168.1.60
Ping
Network Switch
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Server B
192.168.1.12
Server C
192.168.1.14
Server D
192.168.1.16
Server E
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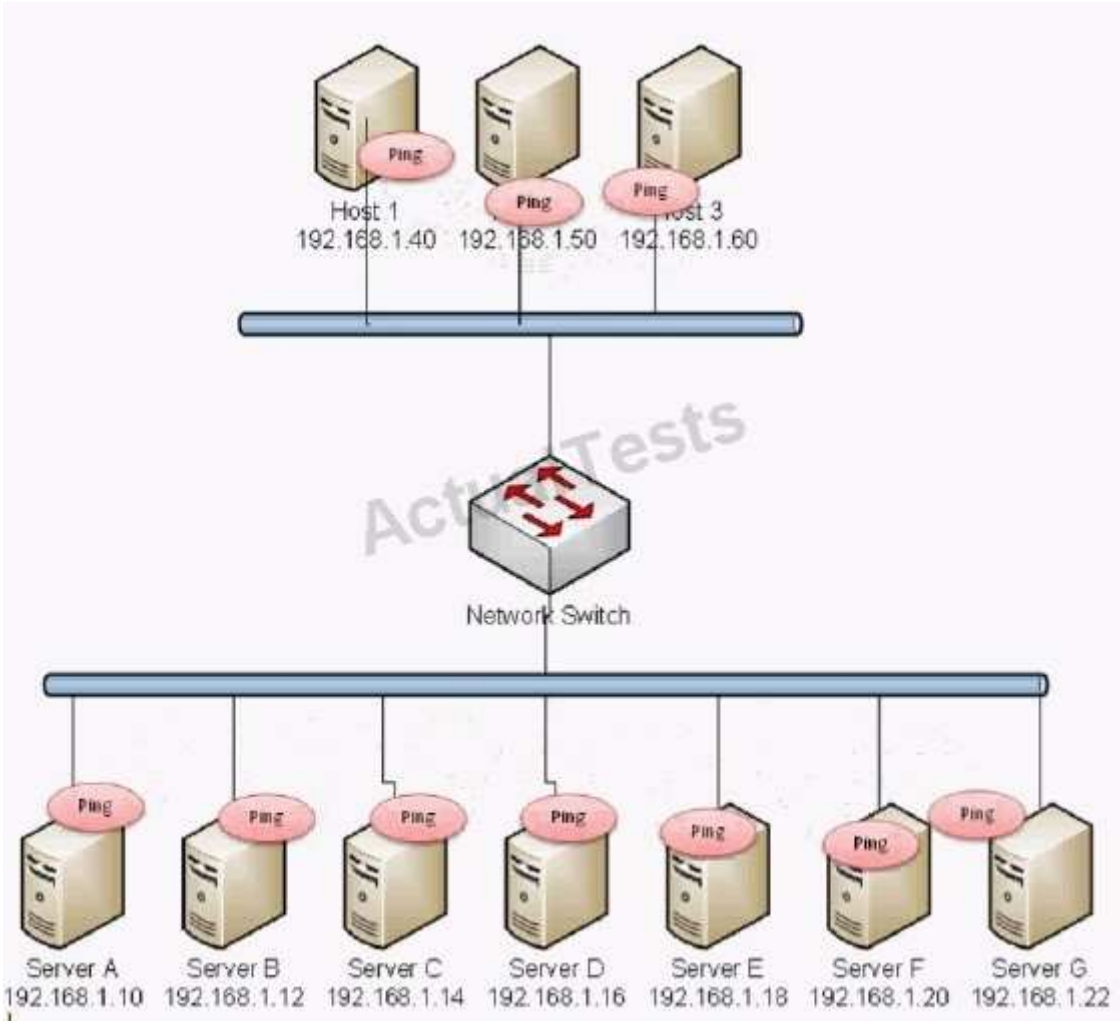
Server F
192.168.1.20
Server G
192.168.1.22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Network Switch
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Server B
192.168.1.12
Server C
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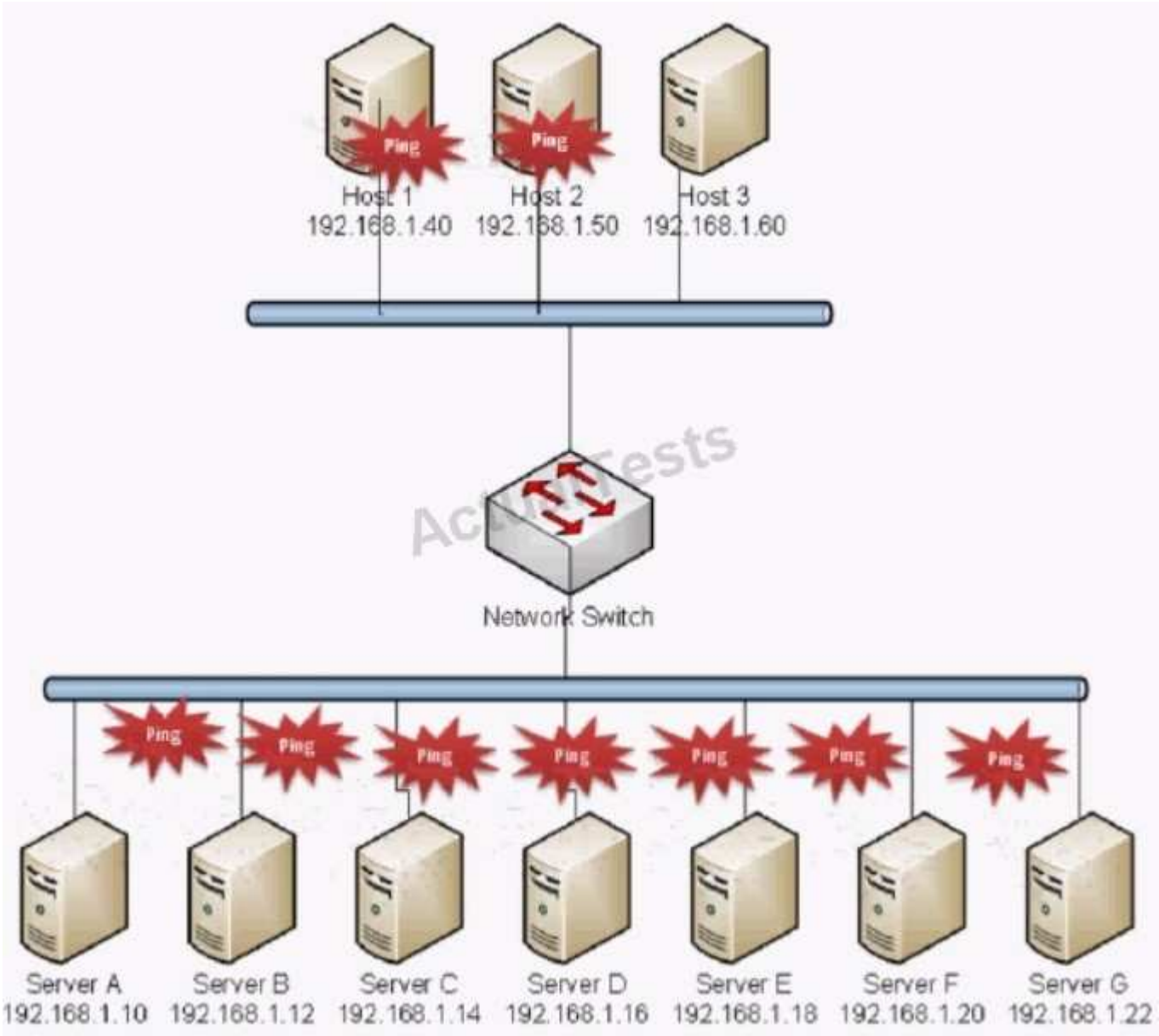
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192.168.1.10
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Server C
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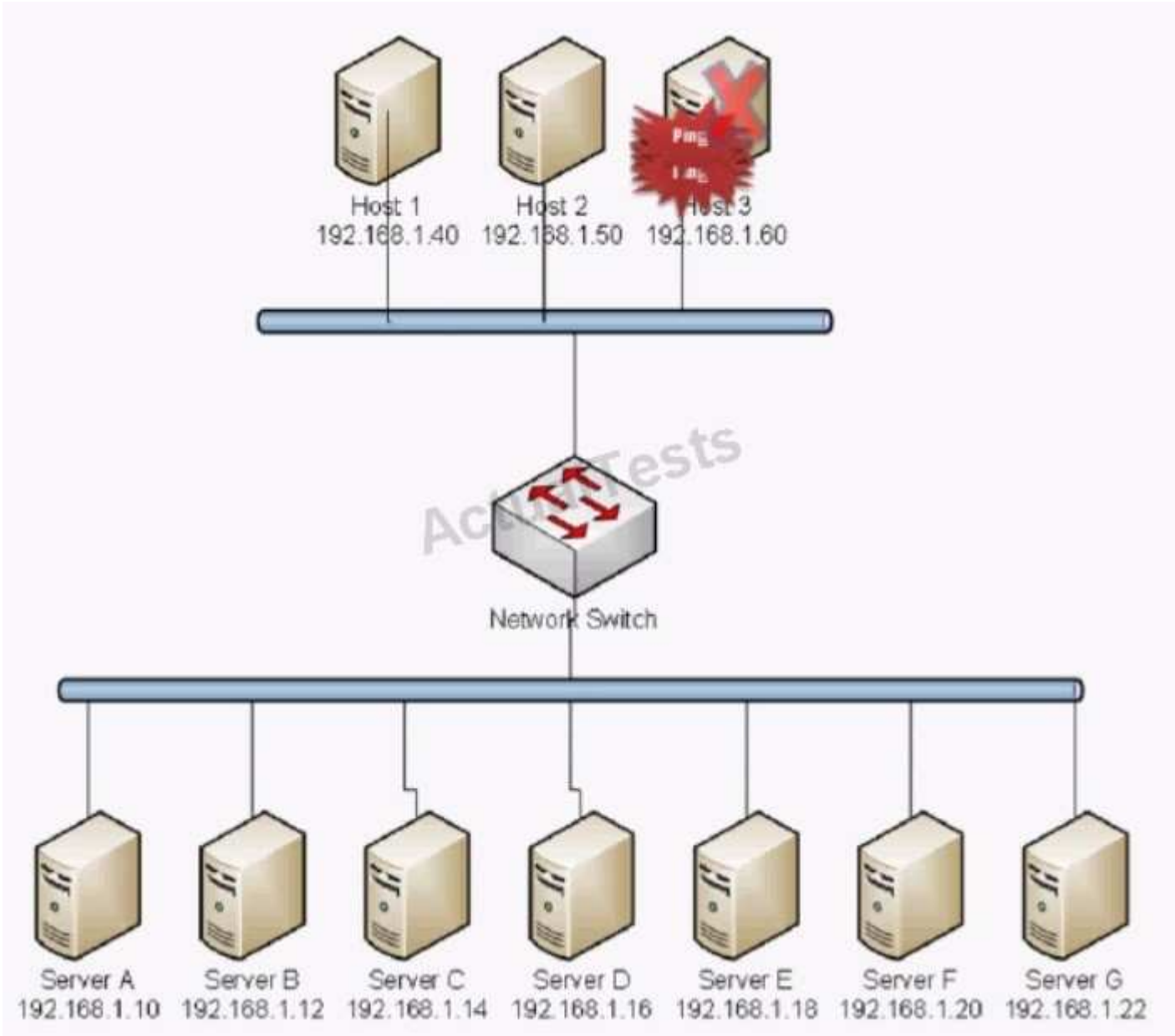


-- Exhibit --

Which of the following BEST describes the type of attack that is occurring?

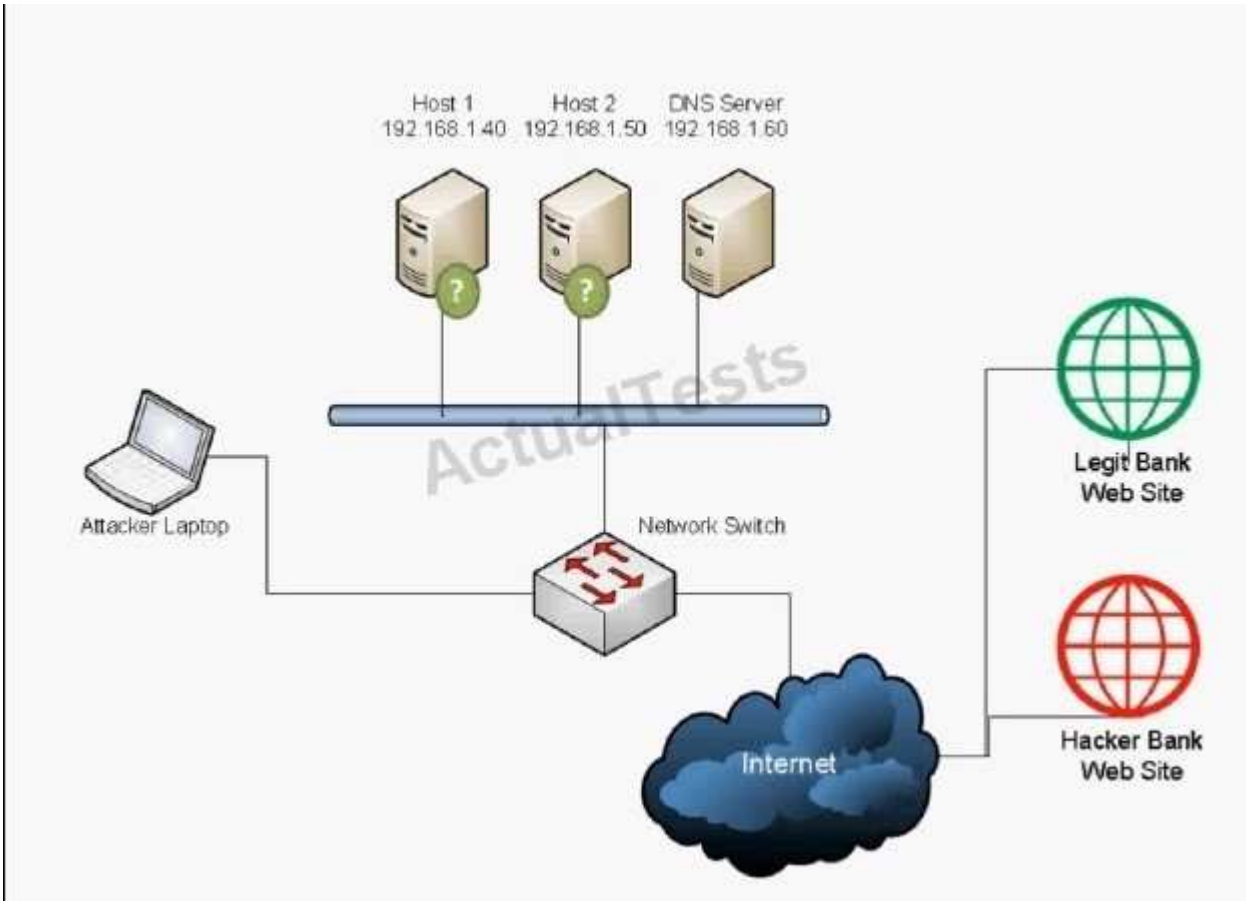
A. Smurf Attack
B. Man in the middle
C. Backdoor
D. Replay
E. Spear Phishing
F. Xmas Attack
G. Blue Jacking
H. Ping of Death

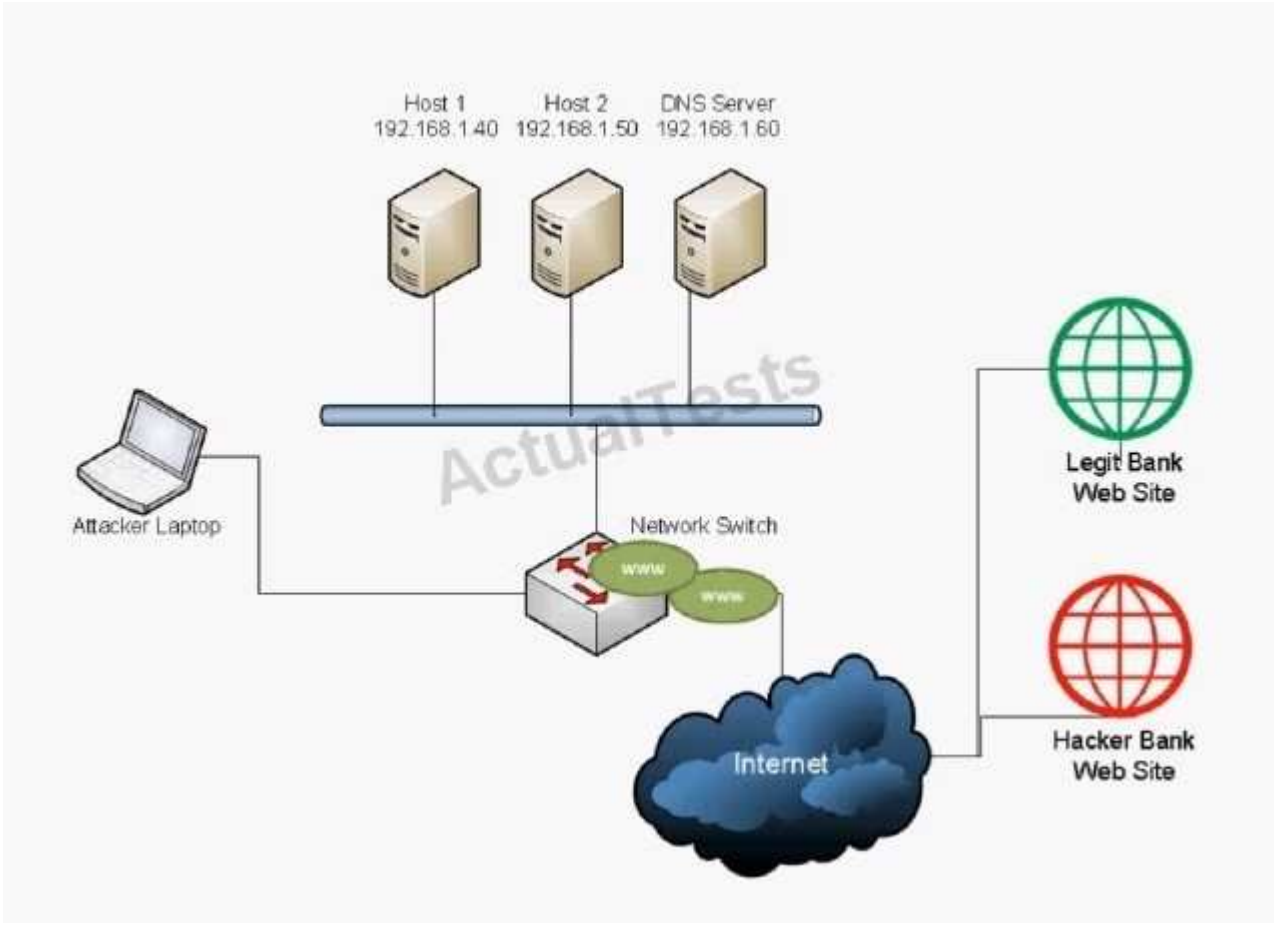
Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 85
-- Exhibit

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Host 2
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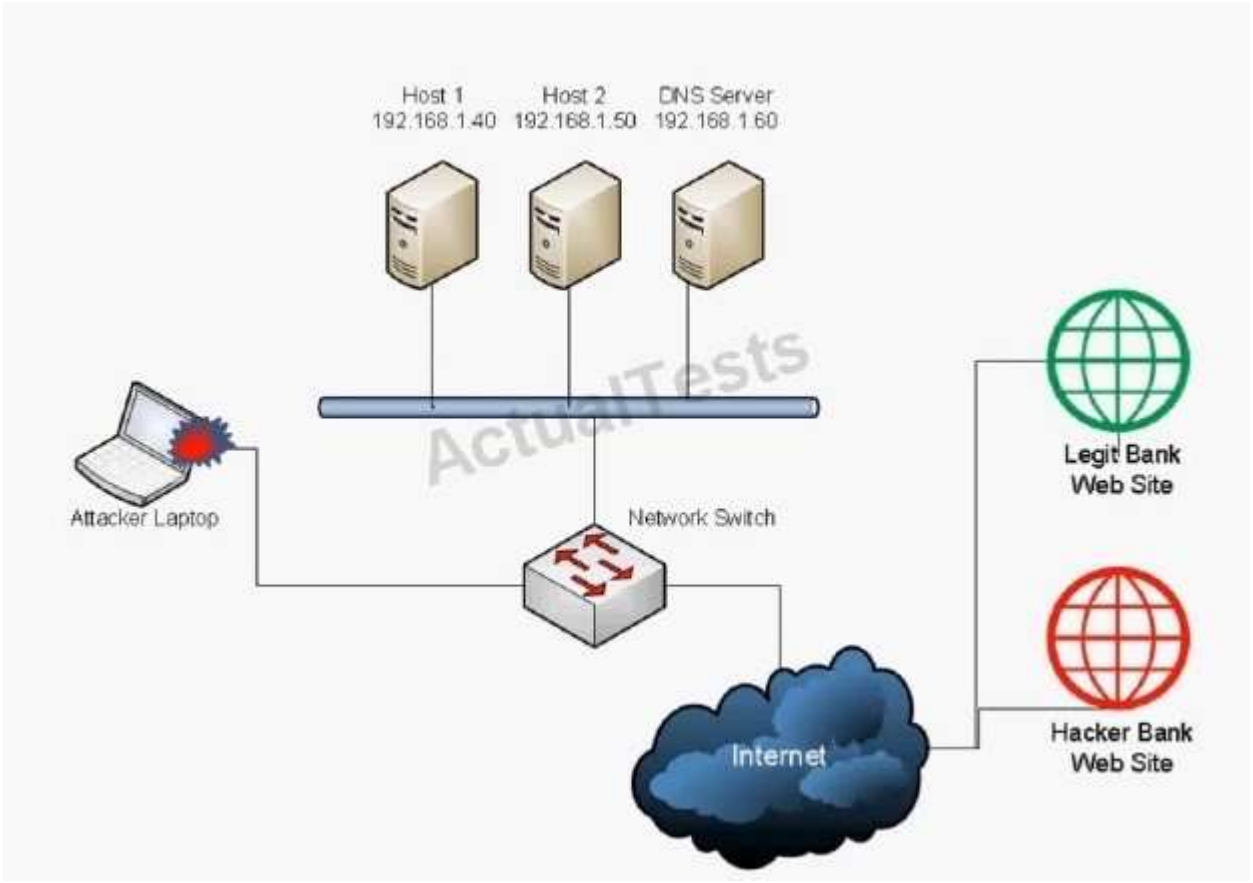
DNS Server
192.168.1.60
Attacker Laptop
Network Switch
www
www
Internet
Legit Bank
Web Site
Hacker Bank
Web Site
ActualTests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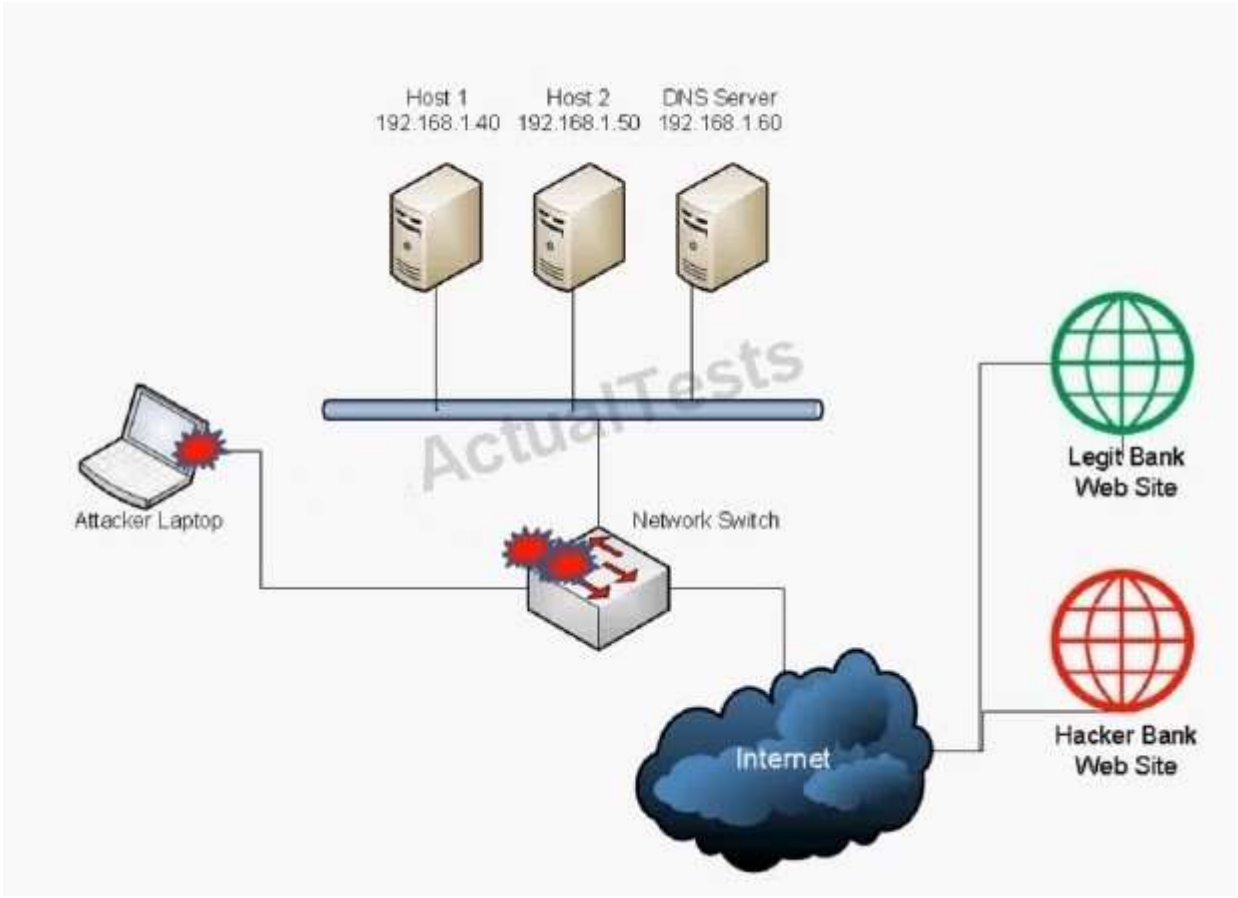
Web Site
Hacker Bank
Web Site
ActualTests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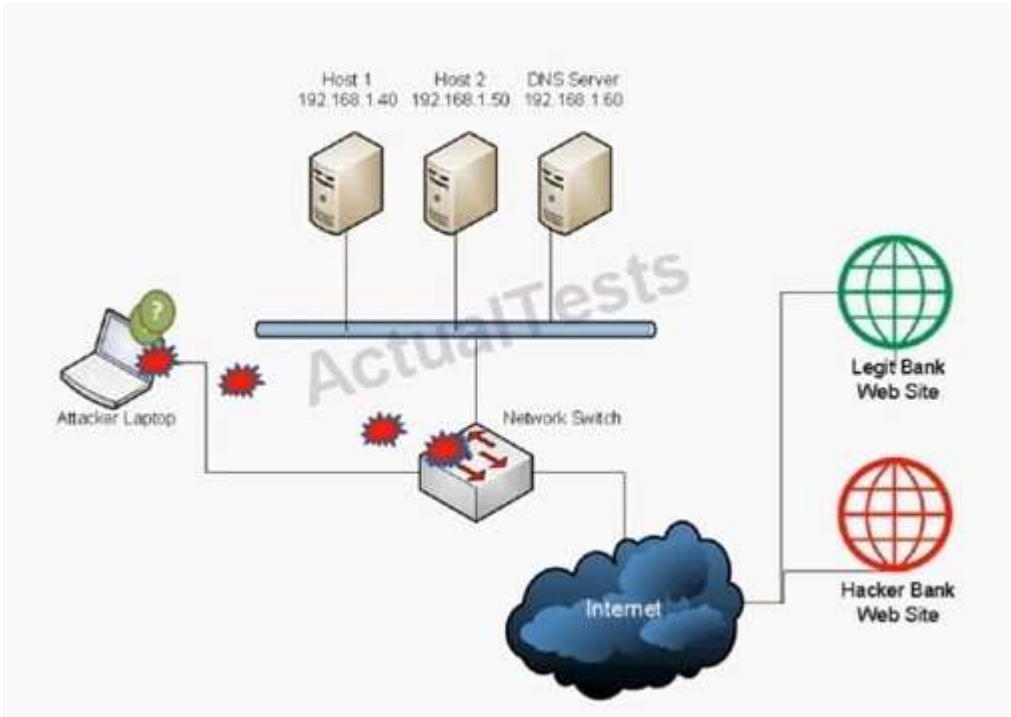
Network Switch
Legit Bank
Web Site
Hacker Bank
Web Site
Internet


Host 1
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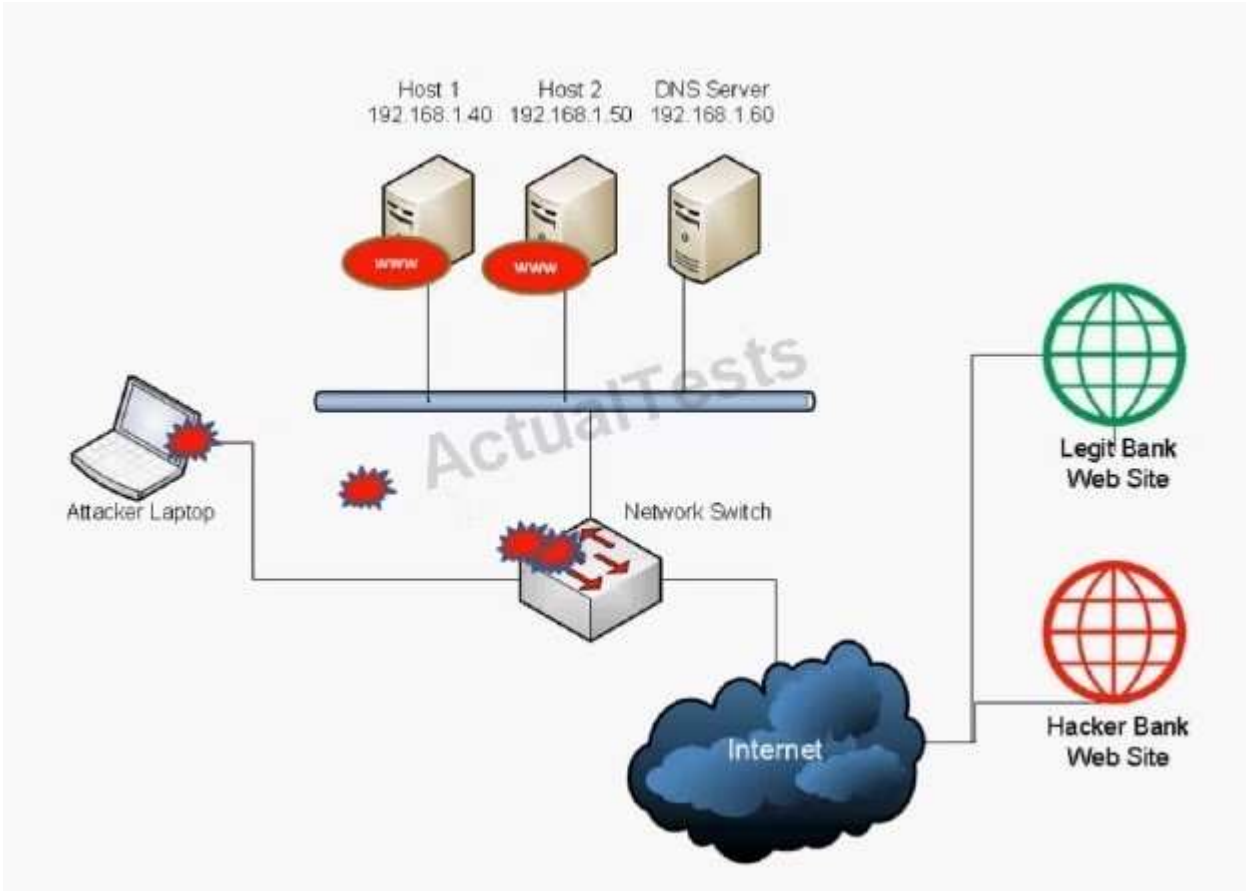
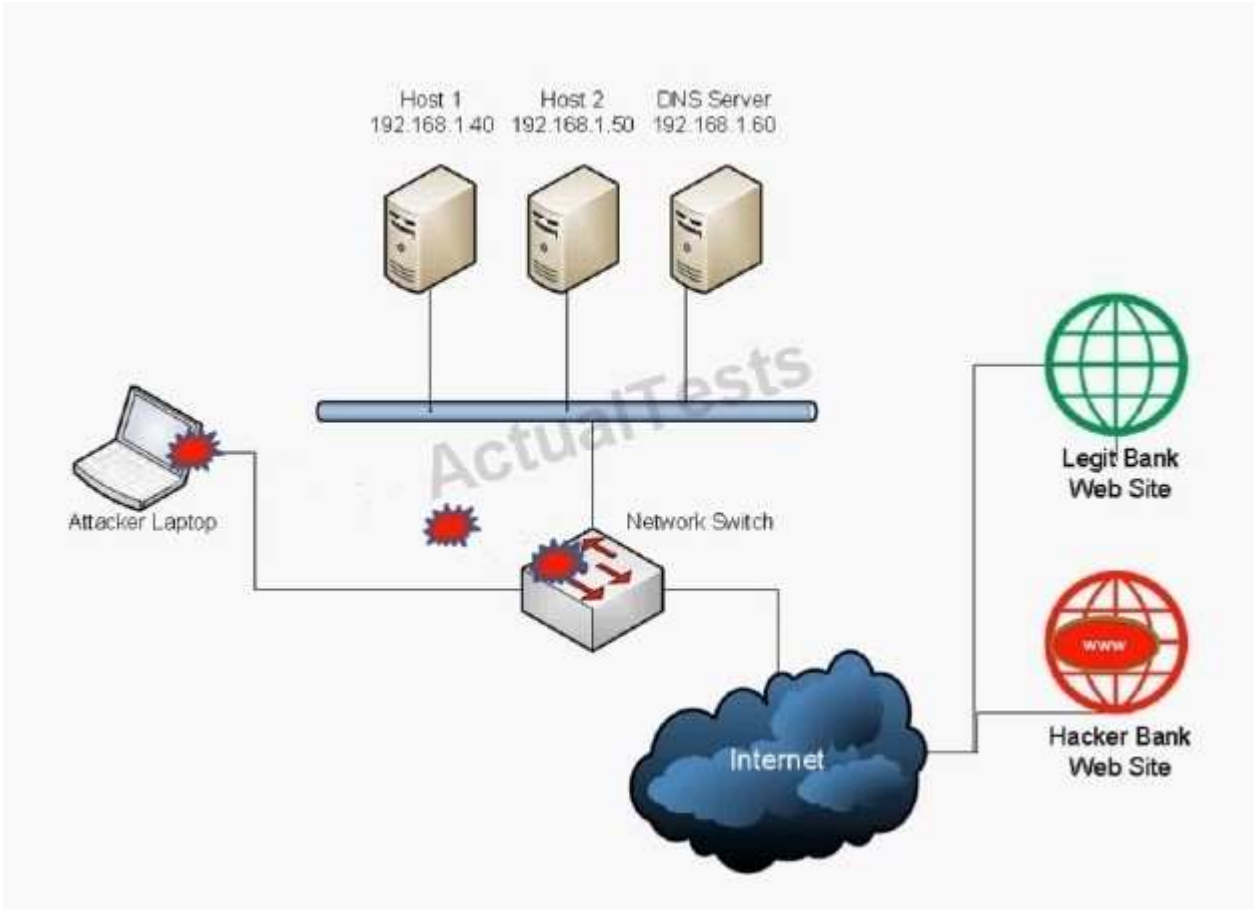
DNS Server
192.168.1.60
Attacker Laptop
Network Switch
Legit Bank
Web Site
Hacker Bank
Web Site
Internet


Host 1
192.168.1.40
Host 2
192.168.1.50
DNS Server
192.168.1.60
WWW
WWW
Attacker Laptop
Network Switch
Internet
Legit Bank
Web Site
Hacker Bank
Web Site
ActualTests



-- Exhibit --

Which of the following BEST describes the type of attack that is occurring? (Select TWO).

A. DNS spoofing
B. Man-in-the-middle
C. Backdoor
D. Replay
E. ARP attack
F. Spear phishing
G. Xmas attack

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 86
Which of the following is a hardware-based security technology included in a computer?

A. Symmetric key
B. Asymmetric key
C. Whole disk encryption

D. Trusted platform module

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 87
Pete, an employee, attempts to visit a popular social networking site but is blocked. Instead, a page is displayed notifying him that this site cannot be visited. Which of the following is MOST likely blocking Pete's access to this site?

A. Internet content filter
B. Firewall
C. Proxy server
D. Protocol analyzer

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 88
How often, at a MINIMUM, should Sara, an administrator, review the accesses and right of the users on her system?

A. Annually
B. Immediately after an employee is terminated
C. Every five years
D. Every time they patch the server

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 89
An administrator is concerned that a company's web server has not been patched. Which of the following would be the BEST assessment for the administrator to perform?

A. Vulnerability scan
B. Risk assessment
C. Virus scan
D. Network sniffer

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 90
An administrator notices that former temporary employees' accounts are still active on a domain. Which of the following can be implemented to increase security and prevent this from happening?

A. Implement a password expiration policy.
B. Implement an account expiration date for permanent employees.
C. Implement time of day restrictions for all temporary employees.
D. Run a last logon script to look for inactive accounts.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 91
A trojan was recently discovered on a server. There are now concerns that there has been a security breach that allows unauthorized people to access data. The administrator should be looking for the presence of a/an:

A. Logic bomb.
B. Backdoor.
C. Adware application.
D. Rootkit.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 92
Which of the following protocols uses TCP instead of UDP and is incompatible with all previous versions?

A. TACACS
B. XTACACS
C. RADIUS
D. TACACS+

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 93
Which of the following symmetric key algorithms are examples of block ciphers? (Select THREE).

A. RC4
B. 3DES
C. AES

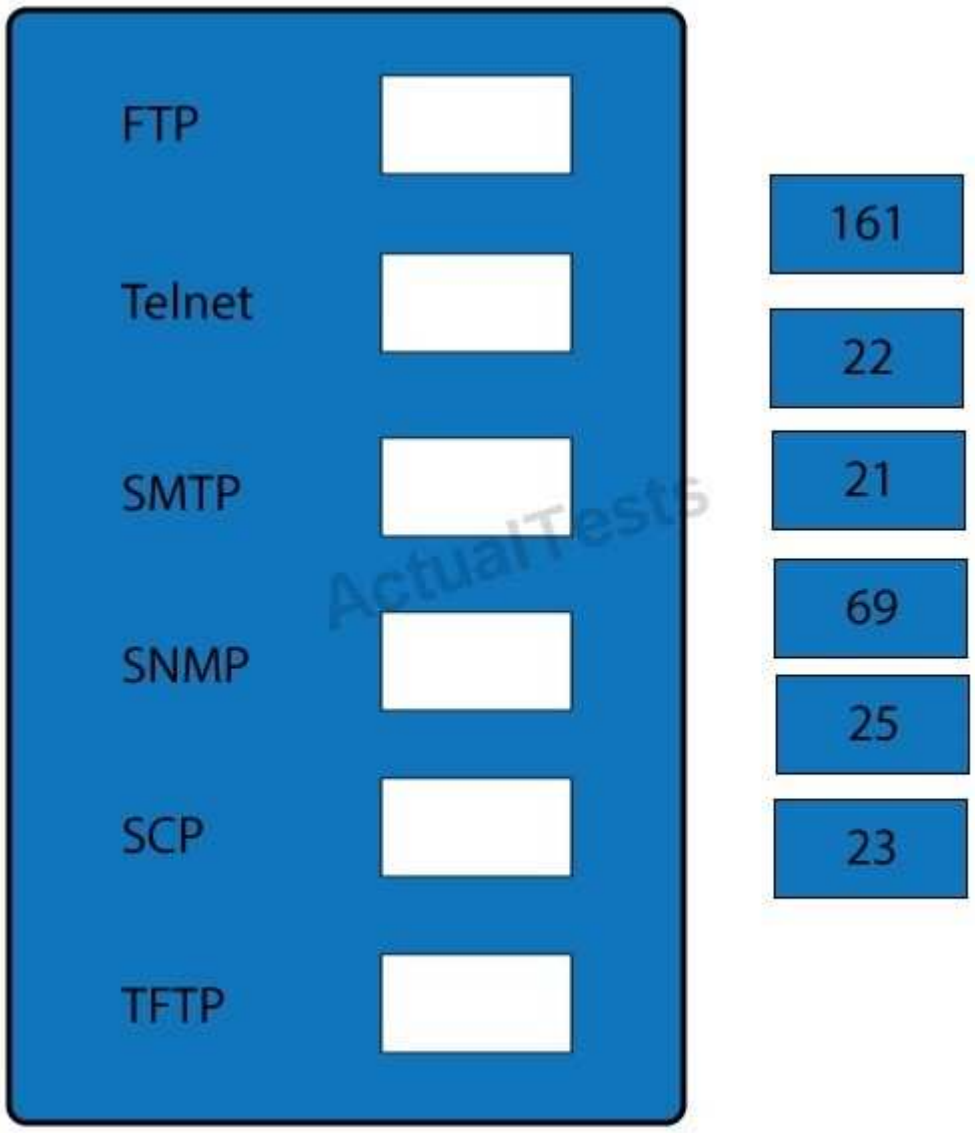
D. MD5
E. PGP
F. Blowfish

Correct Answer: BCF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 94
DRAG DROP

Drag and drop the correct protocol to its default port.

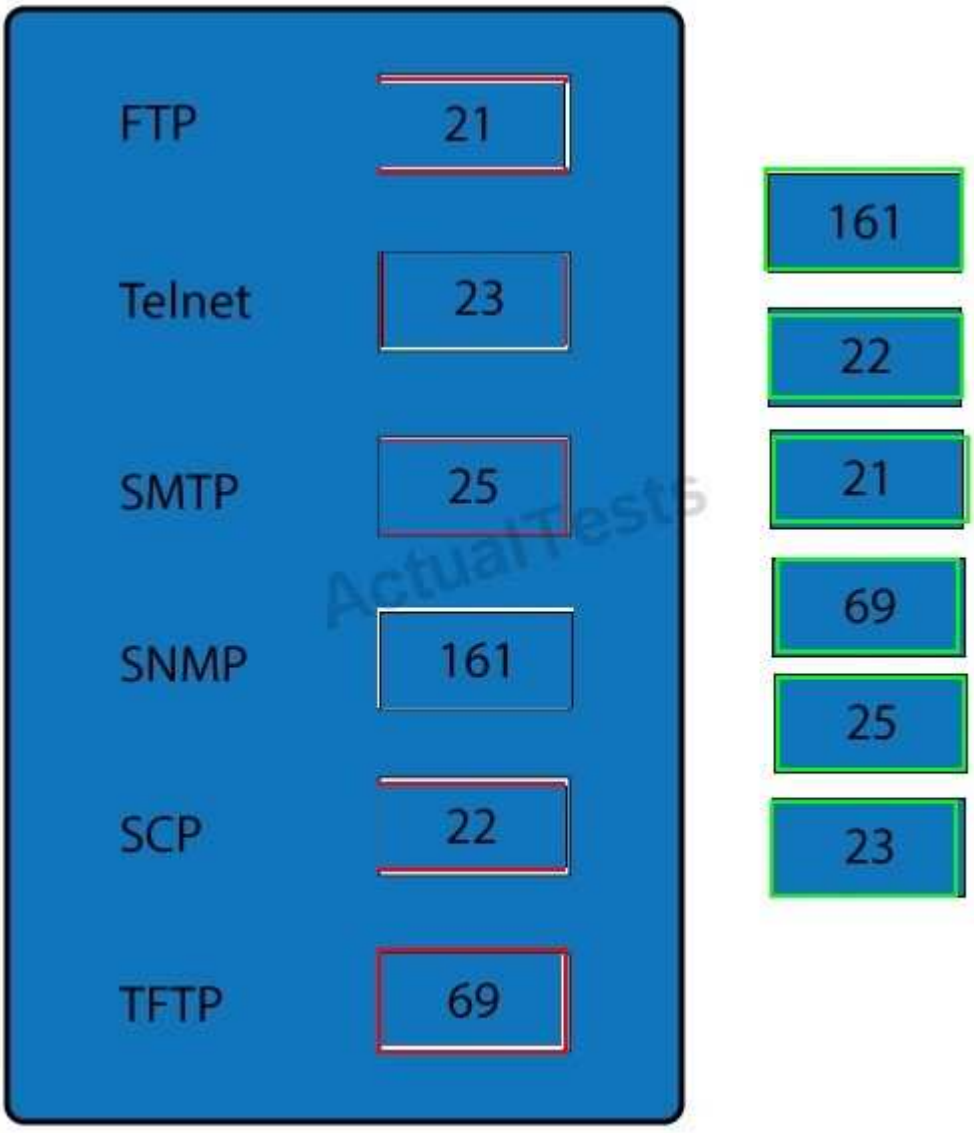


A.
B.

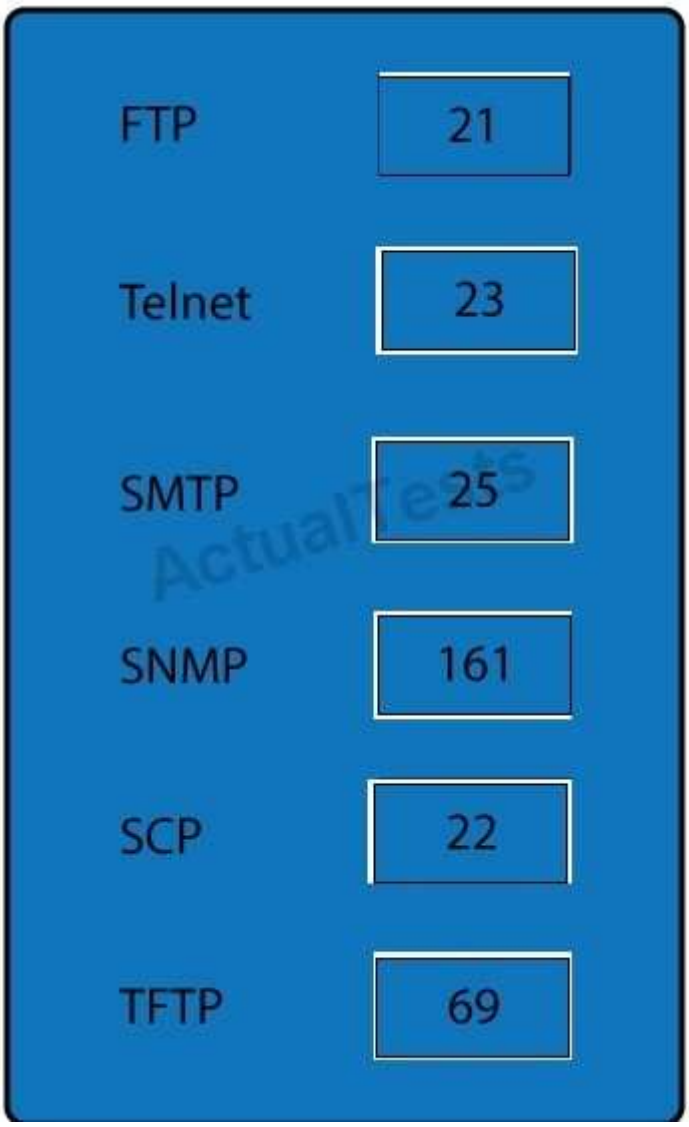
C.
D.

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:

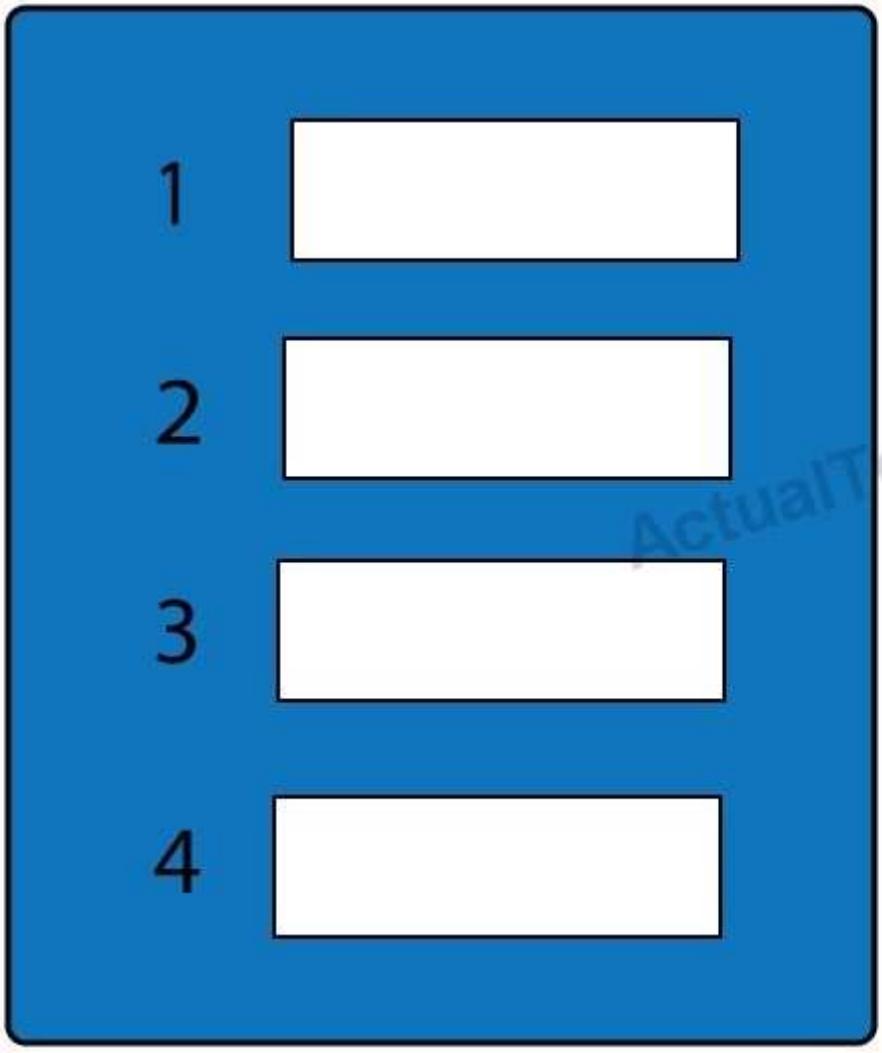


Explanation:



QUESTION 95
DRAG DROP

A forensic analyst is asked to respond to an ongoing network attack on a server. Place the items in the list below in the correct order in which the forensic analyst should preserve them.



RAM

CPU cache

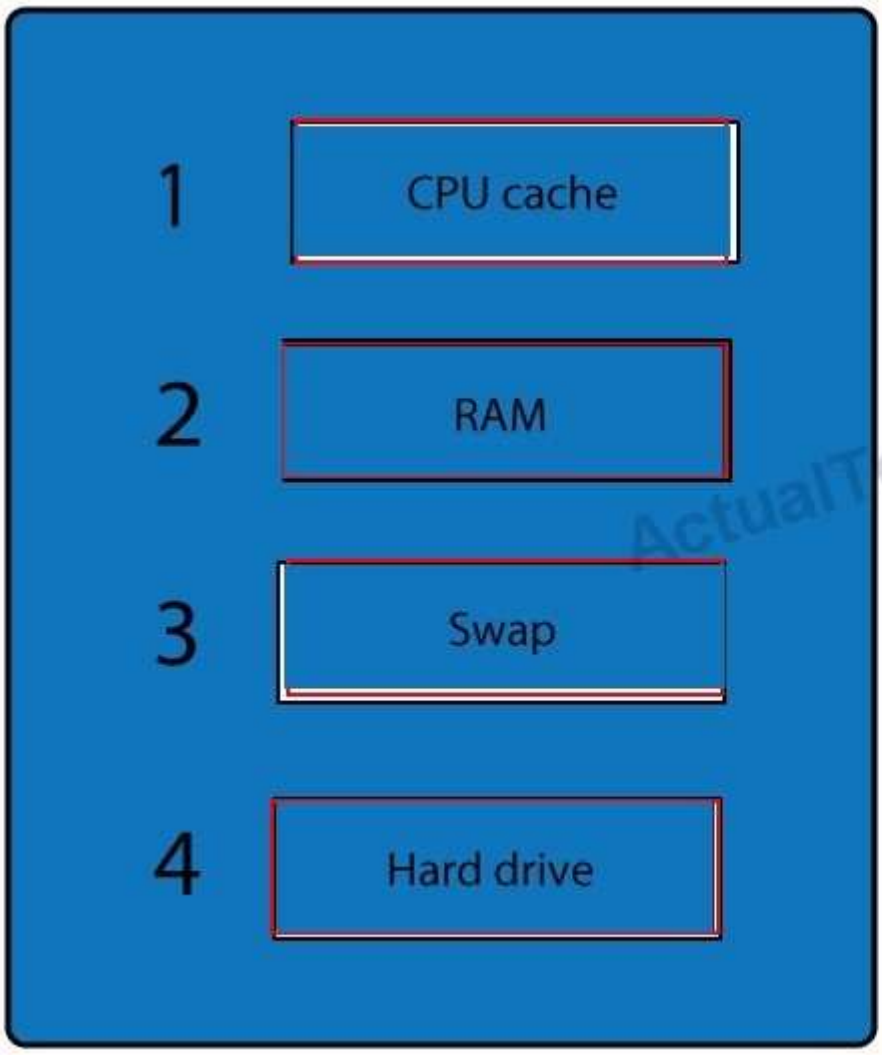
Swap

Hard drive

A.
B.
C.
D.

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:



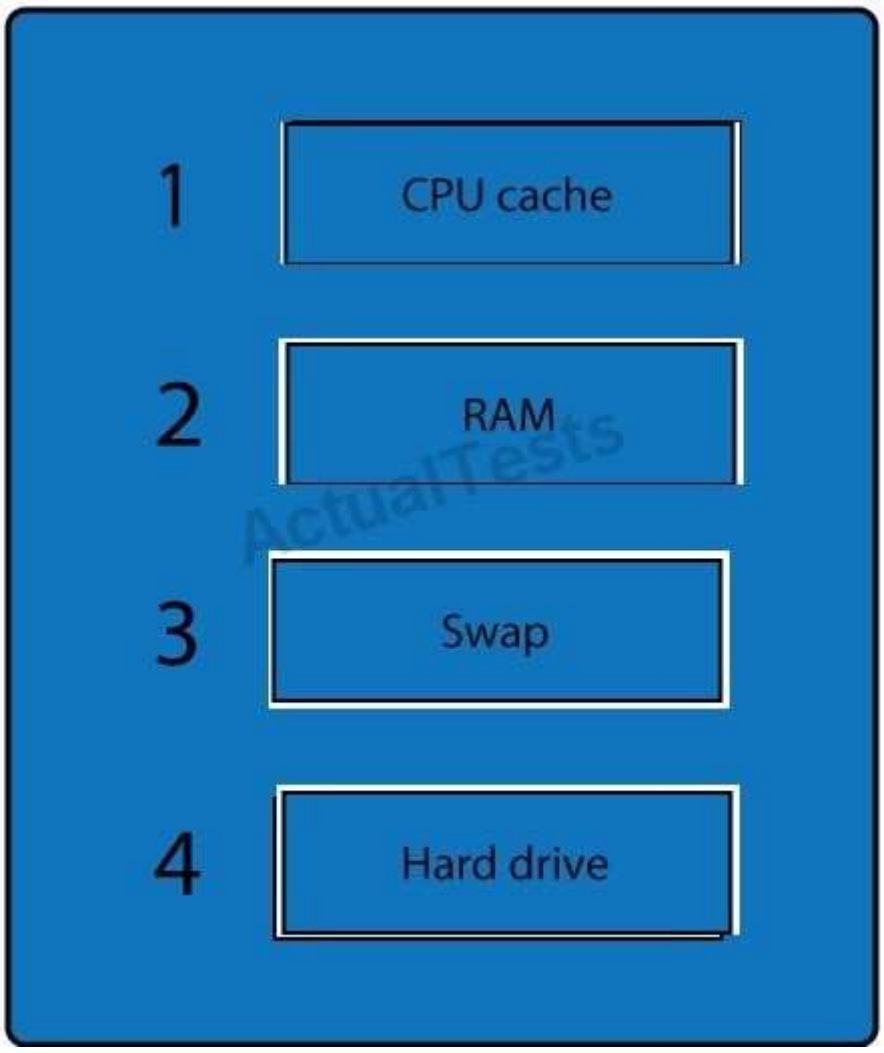
RAM

CPU cache

Swap

Hard drive

Explanation:



QUESTION 96
Which of the following must be kept secret for a public key infrastructure to remain secure?

A. Certificate Authority
B. Certificate revocation list
C. Public key ring
D. Private key

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 97
Which of the following devices is BEST suited to protect an HTTP-based application that is susceptible to injection attacks?

A. Protocol filter
B. Load balancer

C. NIDS
D. Layer 7 firewall

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 98
Which of the following is best practice to put at the end of an ACL?

A. Implicit deny
B. Time of day restrictions
C. Implicit allow
D. SNMP string

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 99
An achievement in providing worldwide Internet security was the signing of certificates associated with which of the following protocols?

A. TCP/IP
B. SSL
C. SCP
D. SSH

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Topic 4, Volume D

QUESTION 100
A Chief Information Security Officer (CISO) wants to implement two-factor authentication within the company. Which of the following would fulfill the CISO's requirements?

A. Username and password
B. Retina scan and fingerprint scan
C. USB token and PIN
D. Proximity badge and token

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Exam D

QUESTION 1
Which of the following services are used to support authentication services for several local devices from a central location without the use of tokens?

A. TACACS+
B. Smartcards
C. Biometrics
D. Kerberos

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 2
Which of the following can a security administrator implement on mobile devices that will help prevent unwanted people from viewing the data if the device is left unattended?

A. Screen lock
B. Voice encryption
C. GPS tracking
D. Device encryption

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 3
Which of the following security concepts can prevent a user from logging on from home during the weekends?

A. Time of day restrictions
B. Multifactor authentication
C. Implicit deny
D. Common access card

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 4
Which of the following would provide the STRONGEST encryption?

A. Random one-time pad
B. DES with a 56-bit key
C. AES with a 256-bit key

D. RSA with a 1024-bit key

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 5
During a server audit, a security administrator does not notice abnormal activity. However, a network security analyst notices connections to unauthorized ports from outside the corporate network. Using specialized tools, the network security analyst also notices hidden processes running. Which of the following has MOST likely been installed on the server?

A. SPIM
B. Backdoor
C. Logic bomb
D. Rootkit

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 6
A security administrator wants to ensure that the message the administrator sends out to their Chief Financial Officer (CFO) does not get changed in route. Which of the following is the administrator MOST concerned with?

A. Data confidentiality
B. High availability
C. Data integrity
D. Business continuity

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 7
Which of the following can be performed when an element of the company policy cannot be enforced by technical means?

A. Develop a set of standards
B. Separation of duties
C. Develop a privacy policy
D. User training

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
Timestamps and sequence numbers act as countermeasures against which of the following types of attacks?

A. Smurf
B. DoS
C. Vishing
D. Replay

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 9
Which of the following would be used as a secure substitute for Telnet?

A. SSH
B. SFTP
C. SSL
D. HTTPS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 10
Which of the following is described as an attack against an application using a malicious file?

A. Client side attack
B. Spam
C. Impersonation attack
D. Phishing attack

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
Which of the following assessment techniques would a security administrator implement to ensure that systems and software are developed properly?

A. Baseline reporting
B. Input validation
C. Determine attack surface

D. Design reviews

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
Which of the following would a security administrator implement in order to identify a problem between two applications that are not communicating properly?

A. Protocol analyzer
B. Baseline report
C. Risk assessment
D. Vulnerability scan

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 13
Which of the following would a security administrator implement in order to identify change from the standard configuration on a server?

A. Penetration test
B. Code review
C. Baseline review
D. Design review

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 14
Which of the following tools would a security administrator use in order to identify all running services throughout an organization?

A. Architectural review
B. Penetration test
C. Port scanner
D. Design review

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
Which of the following protocols provides transport security for virtual terminal emulation?

A. TLS
B. SSH
C. SCP
D. S/MIME

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 16
Based on information leaked to industry websites, business management is concerned that unauthorized employees are accessing critical project information for a major, well-known new product. To identify any such users, the security administrator could:

A. Set up a honeypot and place false project documentation on an unsecure share.
B. Block access to the project documentation using a firewall.
C. Increase antivirus coverage of the project servers.
D. Apply security updates and harden the OS on all project servers.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 17
A set of standardized system images with a pre-defined set of applications is used to build end- user workstations. The security administrator has scanned every workstation to create a current inventory of all applications that are installed on active workstations and is documenting which applications are out-of-date and could be exploited. The security administrator is determining the:

A. Attack surface.
B. Application hardening effectiveness.
C. Application baseline.
D. OS hardening effectiveness.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 18
A perimeter survey finds that the wireless network within a facility is easily reachable outside of the physical perimeter. Which of the following should be adjusted to mitigate this risk?

A. CCMP

B. MAC filter
C. SSID broadcast
D. Power level controls

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 19
Which of the following would verify that a threat does exist and security controls can easily be bypassed without actively testing an application?

A. Protocol analyzer
B. Vulnerability scan
C. Penetration test
D. Port scanner

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
Connections using point-to-point protocol authenticate using which of the following? (Select TWO).

A. RIPEMD
B. PAP
C. CHAP
D. RC4
E. Kerberos

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 21
Which of the following will help prevent smurf attacks?

A. Allowing necessary UDP packets in and out of the network
B. Disabling directed broadcast on border routers
C. Disabling unused services on the gateway firewall
D. Flash the BIOS with the latest firmware

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 22
An advantage of virtualizing servers, databases, and office applications is:

A. Centralized management.
B. Providing greater resources to users.
C. Stronger access control.
D. Decentralized management.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
A major security risk with co-mingling of hosts with different security requirements is:

A. Security policy violations.
B. Zombie attacks.
C. Password compromises.
D. Privilege creep.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 24
Which of the following attacks targets high level executives to gain company information?

A. Phishing
B. Whaling
C. Vishing
D. Spoofing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 25
Which of the following can be used as an equipment theft deterrent?

A. Screen locks
B. GPS tracking
C. Cable locks
D. Whole disk encryption

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
At the outside break area, an employee, Ann, asked another employee to let her into the building because her badge is missing. Which of the following does this describe?

A. Shoulder surfing
B. Tailgating
C. Whaling
D. Impersonation

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
A company that has a mandatory vacation policy has implemented which of the following controls?

A. Risk control
B. Privacy control
C. Technical control
D. Physical control

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
Ann, a company's security officer, often receives reports of unauthorized personnel having access codes to the cipher locks of secure areas in the building. Ann should immediately implement which of the following?

A. Acceptable Use Policy
B. Physical security controls
C. Technical controls
D. Security awareness training

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 29

Which of the following is the MOST intrusive type of testing against a production system?

A. White box testing
B. War dialing
C. Vulnerability testing
D. Penetration testing

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
The IT department has installed new wireless access points but discovers that the signal extends far into the parking lot. Which of the following actions should be taken to correct this?

A. Disable the SSID broadcasting
B. Configure the access points so that MAC filtering is not used
C. Implement WEP encryption on the access points
D. Lower the power for office coverage only

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 31
The helpdesk reports increased calls from clients reporting spikes in malware infections on their systems. Which of the following phases of incident response is MOST appropriate as a FIRST response?

A. Recovery
B. Follow-up
C. Validation
D. Identification
E. Eradication
F. Containment

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 32
Which of the following protocols would be used to verify connectivity between two remote devices at the HIGHEST level of the OSI model?

A. ICMP
B. IPSec
C. SCP

D. TCP

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 33
Which of the following devices would be MOST useful to ensure availability when there are a large number of requests to a certain website?

A. Protocol analyzer
B. Load balancer
C. VPN concentrator
D. Web security gateway

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 34
Which of the following uses port 22 by default? (Select THREE).

A. SSH
B. SSL
C. TLS
D. SFTP
E. SCP
F. FTPS
G. SMTP
H. SNMP

Correct Answer: ADE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 35
Ann, a software developer, has installed some code to reactivate her account one week after her account has been disabled. Which of the following is this an example of? (Select TWO).

A. Rootkit
B. Logic Bomb
C. Botnet
D. Backdoor
E. Spyware

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 36
The string:

` or 1=1-- -

represents which of the following?

A. Bluejacking
B. Rogue access point
C. SQL Injection
D. Client-side attacks

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 37
Joe, an administrator, installs a web server on the Internet that performs credit card transactions for customer payments. Joe also sets up a second web server that looks like the first web server. However, the second server contains fabricated files and folders made to look like payments were processed on this server but really were not. Which of the following is the second server?

A. DMZ
B. Honeynet
C. VLAN
D. Honeypot

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 38
Which of the following can Joe, a security administrator, implement on his network to capture attack details that are occurring while also protecting his production network?

A. Security logs
B. Protocol analyzer
C. Audit logs
D. Honeypot

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 39
Which of the following should Joe, a security manager, implement to reduce the risk of employees working in collusion to embezzle funds from his company?

A. Privacy Policy
B. Least Privilege
C. Acceptable Use
D. Mandatory Vacations

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 40
Ann, a security technician, is reviewing the IDS log files. She notices a large number of alerts for multicast packets from the switches on the network. After investigation, she discovers that this is normal activity for her network. Which of the following BEST describes these results?

A. True negatives
B. True positives
C. False positives
D. False negatives

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 41
Joe, a security analyst, asks each employee of an organization to sign a statement saying that they understand how their activities may be monitored. Which of the following BEST describes this statement? (Select TWO).

A. Acceptable use policy
B. Risk acceptance policy
C. Privacy policy
D. Email policy
E. Security policy

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
A process in which the functionality of an application is tested without any knowledge of the internal

mechanisms of the application is known as:

A. Black box testing
B. White box testing
C. Black hat testing
D. Gray box testing

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 43
Which of the following tools would allow Ann, the security administrator, to be able to BEST quantify all traffic on her network?

A. Honeypot
B. Port scanner
C. Protocol analyzer
D. Vulnerability scanner

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 44
Which of the following should an administrator implement to research current attack methodologies?

A. Design reviews
B. Honeypot
C. Vulnerability scanner
D. Code reviews

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 45
Which of the following consists of peer assessments that help identify security threats and vulnerabilities?

A. Risk assessment
B. Code reviews
C. Baseline reporting
D. Alarms

Correct Answer: B
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 46
Ann is starting a disaster recovery program. She has gathered specifics and team members for a meeting on site. Which of the following types of tests is this?

A. Structured walk through
B. Full Interruption test
C. Check list test
D. Table top exercise

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
An internal auditing team would like to strengthen the password policy to support special characters. Which of the following types of password controls would achieve this goal?

A. Add reverse encryption
B. Password complexity
C. Increase password length
D. Allow single sign on

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 48
Which of the following can be implemented in hardware or software to protect a web server from cross-site scripting attacks?

A. Intrusion Detection System
B. Flood Guard Protection
C. Web Application Firewall
D. URL Content Filter

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 49
Ann, the software security engineer, works for a major software vendor. Which of the following practices should be implemented to help prevent race conditions, buffer overflows, and other similar vulnerabilities prior to each

production release?

A. Product baseline report
B. Input validation
C. Patch regression testing
D. Code review

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 50
Ann, a security analyst, is preparing for an upcoming security audit. To ensure that she identifies unapplied security controls and patches without attacking or compromising the system, Ann would use which of the following?

A. Vulnerability scanning
B. SQL injection
C. Penetration testing
D. Antivirus update

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
Ann, the security administrator, received a report from the security technician, that an unauthorized new user account was added to the server over two weeks ago. Which of the following could have mitigated this event?

A. Routine log audits
B. Job rotation
C. Risk likelihood assessment
D. Separation of duties

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 52
Which of the following ports should be opened on a firewall to allow for NetBIOS communication? (Select TWO).

A. 110
B. 137
C. 139
D. 143

E. 161
F. 443

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
Joe, the systems administrator, is setting up a wireless network for his team's laptops only and needs to prevent other employees from accessing it. Which of the following would BEST address this?

A. Disable default SSID broadcasting.
B. Use WPA instead of WEP encryption.
C. Lower the access point's power settings.
D. Implement MAC filtering on the access point.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 54
After Ann, a user, logs into her banking websites she has access to her financial institution mortgage, credit card, and brokerage websites as well. Which of the following is being described?

A. Trusted OS
B. Mandatory access control
C. Separation of duties
D. Single sign-on

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 55
Which of the following means of wireless authentication is easily vulnerable to spoofing?

A. MAC Filtering
B. WPA - LEAP
C. WPA - PEAP
D. Enabled SSID

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 56
Which of the following is a way to implement a technical control to mitigate data loss in case of a mobile device theft?

A. Disk encryption
B. Encryption policy
C. Solid state drive
D. Mobile device policy

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 57
The BEST methods for a web developer to prevent the website application code from being vulnerable to cross-site request forgery (XSRF) is to: (Select TWO).

A. Permit redirection to Internet-facing web URLs.
B. Ensure all HTML tags are enclosed in angle brackets, e.g., "<" and ">".
C. Validate and filter input on the server side and client side.
D. Use a web proxy to pass website requests between the user and the application.
E. Restrict and sanitize use of special characters in input and URLs.

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 58
When an order was submitted via the corporate website, an administrator noted special characters (e.g., ";--" and "or 1=1 --") were input instead of the expected letters and numbers. Which of the following is the MOST likely reason for the unusual results?

A. The user is attempting to highjack the web server session using an open-source browser.
B. The user has been compromised by a cross-site scripting attack (XSS) and is part of a botnet performing DDoS attacks.
C. The user is attempting to fuzz the web server by entering foreign language characters which are incompatible with the website.
D. The user is sending malicious SQL injection strings in order to extract sensitive company or customer data via the website.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 59

When a communications plan is developed for disaster recovery and business continuity plans, the MOST relevant items to include would be: (Select TWO).

A. Methods and templates to respond to press requests, institutional and regulatory reporting requirements.
B. Methods to exchange essential information to and from all response team members, employees, suppliers, and customers.
C. Developed recovery strategies, test plans, post-test evaluation and update processes.
D. Defined scenarios by type and scope of impact and dependencies, with quantification of loss potential.
E. Methods to review and report on system logs, incident response, and incident handling.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 60
Key elements of a business impact analysis should include which of the following tasks?

A. Develop recovery strategies, prioritize recovery, create test plans, post-test evaluation, and update processes.
B. Identify institutional and regulatory reporting requirements, develop response teams and communication trees, and develop press release templates.
C. Employ regular preventive measures such as patch management, change management, antivirus and vulnerability scans, and reports to management.
D. Identify critical assets systems and functions, identify dependencies, determine critical downtime limit, define scenarios by type and scope of impact, and quantify loss potential.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 61
End-user awareness training for handling sensitive personally identifiable information would include secure storage and transmission of customer:

A. Date of birth.
B. First and last name.
C. Phone number.
D. Employer name.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 62
Jane, a security administrator, needs to implement a secure wireless authentication method that uses a remote RADIUS server for authentication. Which of the following authentication methods should Jane use?

A. WPA2-PSK
B. WEP-PSK
C. CCMP
D. LEAP

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 63
Which of the following risk mitigation strategies will allow Ann, a security analyst, to enforce least privilege principles?

A. User rights reviews
B. Incident management
C. Risk based controls
D. Annual loss expectancy

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
The security officer is preparing a read-only USB stick with a document of important personal phone numbers, vendor contacts, an MD5 program, and other tools to provide to employees. At which of the following points in an incident should the officer instruct employees to use this information?

A. Business Impact Analysis
B. First Responder
C. Damage and Loss Control
D. Contingency Planning

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 65
To ensure proper evidence collection, which of the following steps should be preformed FIRST?

A. Take hashes from the live system
B. Review logs
C. Capture the system image
D. Copy all compromised files

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 66
Joe, the security administrator, has determined that one of his web servers is under attack. Which of the following can help determine where the attack originated from?

A. Capture system image
B. Record time offset
C. Screenshots
D. Network sniffing

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 67
Joe, the system administrator, is performing an overnight system refresh of hundreds of user computers. The refresh has a strict timeframe and must have zero downtime during business hours. Which of the following should Joe take into consideration?

A. A disk-based image of every computer as they are being replaced.
B. A plan that skips every other replaced computer to limit the area of affected users.
C. An offsite contingency server farm that can act as a warm site should any issues appear.
D. A back-out strategy planned out anticipating any unforeseen problems that may arise.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 68
A program displays:

ERROR: this program has caught an exception and will now terminate.

Which of the following is MOST likely accomplished by the program's behavior?

A. Operating system's integrity is maintained
B. Program's availability is maintained
C. Operating system's scalability is maintained
D. User's confidentiality is maintained

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 69
A security administrator wants to deploy a physical security control to limit an individual's access into a sensitive area. Which of the following should be implemented?

A. Guards
B. CCTV
C. Bollards
D. Spike strip

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 70
A network administrator uses an RFID card to enter the datacenter, a key to open the server rack, and a username and password to logon to a server. These are examples of which of the following?

A. Multifactor authentication
B. Single factor authentication
C. Separation of duties
D. Identification

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 71
Which of the following results in datacenters with failed humidity controls? (Select TWO).

A. Excessive EMI
B. Electrostatic charge
C. Improper ventilation
D. Condensation
E. Irregular temperature

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 72
An online store wants to protect user credentials and credit card information so that customers can store their credit card information and use their card for multiple separate transactions. Which of the following database designs provides the BEST security for the online store?

A. Use encryption for the credential fields and hash the credit card field

B. Encrypt the username and hash the password
C. Hash the credential fields and use encryption for the credit card field
D. Hash both the credential fields and the credit card field

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 73
A network administrator is configuring access control for the sales department which has high employee turnover. Which of the following is BEST suited when assigning user rights to individuals in the sales department?

A. Time of day restrictions
B. Group based privileges
C. User assigned privileges
D. Domain admin restrictions

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 74
A security administrator is reviewing the below output from a password auditing tool:

P@ss.

@pW1.

S3cU4

Which of the following additional policies should be implemented based on the tool's output?

A. Password age
B. Password history
C. Password length
D. Password complexity

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 75
Joe, a user, in a coffee shop is checking his email over a wireless network. An attacker records the temporary credentials being passed to Joe's browser. The attacker later uses the credentials to impersonate Joe and creates SPAM messages. Which of the following attacks allows for this impersonation?

A. XML injection
B. Directory traversal
C. Header manipulation
D. Session hijacking

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 76
A security architect wishes to implement a wireless network with connectivity to the company's internal network. Before they inform all employees that this network is being put in place, the architect wants to roll it out to a small test segment. Which of the following allows for greater secrecy about this network during this initial phase of implementation?

A. Disabling SSID broadcasting
B. Implementing WPA2 - TKIP
C. Implementing WPA2 - CCMP
D. Filtering test workstations by MAC address

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 77
Digital certificates can be used to ensure which of the following? (Select TWO).

A. Availability
B. Confidentiality
C. Verification
D. Authorization
E. Non-repudiation

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 78
A network administrator is looking for a way to automatically update company browsers so they import a list of root certificates from an online source. This online source will then be responsible for tracking which certificates are to be trusted or not trusted. Which of the following BEST describes the service that should be implemented to meet these requirements?

A. Trust model
B. Key escrow
C. OCSP

D. PKI

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
A security administrator has concerns about new types of media which allow for the mass distribution of personal comments to a select group of people. To mitigate the risks involved with this media, employees should receive training on which of the following?

A. Peer to Peer
B. Mobile devices
C. Social networking
D. Personally owned devices

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 80
A network administrator is responsible for securing applications against external attacks. Every month, the underlying operating system is updated. There is no process in place for other software
Which of the following processes could MOST effectively mitigate these risks?

A. Application hardening
B. Application change management
C. Application patch management
D. Application firewall review

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
The software developer is responsible for writing the code and promoting from the development network to the quality network. The network administrator is responsible for promoting code to the production application servers. Which of the following practices are they following to ensure application integrity?

A. Job rotation
B. Implicit deny
C. Least privilege
D. Separation of duties

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 82
A software developer is responsible for writing the code on an accounting application. Another software developer is responsible for developing code on a system in human resources. Once a year they have to switch roles for several weeks. Which of the following practices is being implemented?

A. Mandatory vacations
B. Job rotation
C. Least privilege
D. Separation of duties

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 83
A quality assurance analyst is reviewing a new software product for security, and has complete access to the code and data structures used by the developers. This is an example of which of the following types of testing?

A. Black box
B. Penetration
C. Gray box
D. White box

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 84
The security consultant is assigned to test a client's new software for security, after logs show targeted attacks from the Internet. To determine the weaknesses, the consultant has no access to the application program interfaces, code, or data structures. This is an example of which of the following types of testing?

A. Black box
B. Penetration
C. Gray box
D. White box

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 85
Which of the following types of cryptography should be used when minimal overhead is necessary for a mobile

device?

A. Block cipher
B. Elliptical curve cryptography
C. Diffie-Hellman algorithm
D. Stream cipher

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 86
The server administrator has noted that most servers have a lot of free disk space and low memory utilization. Which of the following statements will be correct if the server administrator migrates to a virtual server environment?

A. The administrator will need to deploy load balancing and clustering.
B. The administrator may spend more on licensing but less on hardware and equipment.
C. The administrator will not be able to add a test virtual environment in the data center.
D. Servers will encounter latency and lowered throughput issues.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 87
Which of the following implementation steps would be appropriate for a public wireless hot-spot?

A. Reduce power level
B. Disable SSID broadcast
C. Open system authentication
D. MAC filter

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 88
Configuring key/value pairs on a RADIUS server is associated with deploying which of the following?

A. WPA2-Enterprise wireless network
B. DNS secondary zones
C. Digital certificates
D. Intrusion detection system

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 89
Which of the following preventative controls would be appropriate for responding to a directive to reduce the attack surface of a specific host?

A. Installing anti-malware
B. Implementing an IDS
C. Taking a baseline configuration
D. Disabling unnecessary services

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 90
A security analyst performs the following activities: monitors security logs, installs surveillance cameras and analyzes trend reports. Which of the following job responsibilities is the analyst performing? (Select TWO).

A. Detect security incidents
B. Reduce attack surface of systems
C. Implement monitoring controls
D. Hardening network devices
E. Prevent unauthorized access

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 91
A certificate used on an ecommerce web server is about to expire. Which of the following will occur if the certificate is allowed to expire?

A. The certificate will be added to the Certificate Revocation List (CRL).
B. Clients will be notified that the certificate is invalid
C. The ecommerce site will not function until the certificate is renewed.
D. The ecommerce site will no longer use encryption.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 92

An administrator needs to segment internal traffic between layer 2 devices within the LAN. Which of the following types of network design elements would MOST likely be used?

A. Routing
B. DMZ
C. VLAN
D. NAT

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 93
The security administrator needs to restrict traffic on a layer 3 device to support FTP from a new remote site. Which of the following secure network administration principles will need to be implemented?

A. Implicit deny
B. VLAN management
C. Port security
D. Access control lists

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 94
After a network outage, a PC technician is unable to ping various network devices. The network administrator verifies that those devices are working properly and can be accessed securely. Which of the following is the MOST likely reason the PC technician is unable to ping those devices?

A. ICMP is being blocked
B. SSH is not enabled
C. DNS settings are wrong
D. SNMP is not configured properly

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 95
Which of the following ports is used for SSH, by default?

A. 23
B. 32

C. 12
D. 22

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 96
The security administrator has been tasked to update all the access points to provide a more secure connection. All access points currently use WPA TKIP for encryption. Which of the following would be configured to provide more secure connections?

A. WEP
B. WPA2 CCMP
C. Disable SSID broadcast and increase power levels
D. MAC filtering

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 97
After a recent security breach, the network administrator has been tasked to update and backup all router and switch configurations. The security administrator has been tasked to enforce stricter security policies. All users were forced to undergo additional user awareness training. All of these actions are due to which of the following types of risk mitigation strategies?

A. Change management
B. Implementing policies to prevent data loss
C. User rights and permissions review
D. Lessons learned

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 98
Various network outages have occurred recently due to unapproved changes to network and security devices. All changes were made using various system credentials. The security analyst has been tasked to update the security policy. Which of the following risk mitigation strategies would also need to be implemented to reduce the number of network outages due to unauthorized changes?

A. User rights and permissions review
B. Configuration management
C. Incident management
D. Implement security controls on Layer 3 devices

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 99
Which of the following concepts is used by digital signatures to ensure integrity of the data?

A. Non-repudiation
B. Hashing
C. Transport encryption
D. Key escrow

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 100
A security analyst discovered data such as images and word documents hidden within different types of files. Which of the following cryptographic concepts describes what was discovered?

A. Symmetric encryption
B. Non-repudiation
C. Steganography
D. Hashing

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Topic 5, Volume E

Exam E

QUESTION 1
Recent data loss on financial servers due to security breaches forced the system administrator to harden their systems. Which of the following algorithms with transport encryption would be implemented to provide the MOST secure web connections to manage and access these servers?

A. SSL
B. TLS
C. HTTP
D. FTP

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 2
Which of the following provides a static record of all certificates that are no longer valid?

A. Private key
B. Recovery agent
C. CRLs
D. CA

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 3
A company requires that a user's credentials include providing something they know and something they are in order to gain access to the network. Which of the following types of authentication is being described?

A. Biometrics
B. Kerberos
C. Token
D. Two-factor

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 4
A company wants to ensure that all credentials for various systems are saved within a central database so that users only have to login once for access to all systems. Which of the following would accomplish this?

A. Multi-factor authentication

B. Smart card access
C. Same Sign-On
D. Single Sign-On

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 5
A server with the IP address of 10.10.2.4 has been having intermittent connection issues. The logs show repeated connection attempts from the following IP:

10.10.3.23

These attempts are overloading the server to the point that it cannot respond to traffic. Which of the following attacks is occurring?

A. Xmas
B. DDoS
C. DoS
D. XSS

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 6
Physical documents must be incinerated after a set retention period is reached. Which of the following attacks does this action remediate?

A. Shoulder Surfing
B. Dumpster Diving
C. Phishing
D. Impersonation

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 7
All executive officers have changed their monitor location so it cannot be easily viewed when passing by their offices. Which of the following attacks does this action remediate?

A. Dumpster Diving
B. Impersonation
C. Shoulder Surfing

D. Whaling

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
Which of the following protocols is vulnerable to man-in-the-middle attacks by NOT using end to end TLS encryption?

A. HTTPS
B. WEP
C. WPA
D. WPA 2

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 9
A security administrator has been tasked with setting up a new internal wireless network that must use end to end TLS. Which of the following may be used to meet this objective?

A. WPA
B. HTTPS
C. WEP
D. WPA 2

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 10
After viewing wireless traffic, an attacker notices the following networks are being broadcasted by local access points:

Corpnet

Coffeeshop

FreePublicWifi

Using this information the attacker spoofs a response to make nearby laptops connect back to a malicious device. Which of the following techniques are used above? (Select TWO).

A. Blue snarfing
B. Evil twin

C. Packet sniffing
D. War dialing
E. Rogue access point

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
A server administrator notes that a legacy application often stops running due to a memory error. When reviewing the debugging logs, they notice code being run calling an internal process to exploit the machine. Which of the following attacks does this describe?

A. Zero-day
B. Buffer overflow
C. Cross site scripting
D. Malicious add-on

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
Key cards at a bank are not tied to individuals, but rather to organizational roles. After a break in, it becomes apparent that extra efforts must be taken to successfully pinpoint who exactly enters secure areas. Which of the following security measures can be put in place to mitigate the issue until a new key card system can be installed?

A. Bollards
B. Video surveillance
C. Proximity readers
D. Fencing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 13
After running into the data center with a vehicle, attackers were able to enter through the hole in the building and steal several key servers in the ensuing chaos. Which of the following security measures can be put in place to mitigate the issue from occurring in the future?

A. Fencing
B. Proximity readers
C. Video surveillance
D. Bollards

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 14
Which of the following ciphers would be BEST used to encrypt streaming video?

A. RSA
B. RC4
C. SHA1
D. 3DES

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
A CA is compromised and attacks start distributing maliciously signed software updates. Which of the following can be used to warn users about the malicious activity?

A. Key escrow
B. Private key verification
C. Public key verification
D. Certificate revocation list

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 16
After encrypting all laptop hard drives, an executive officer's laptop has trouble booting to the operating system. Now that it is successfully encrypted the helpdesk cannot retrieve the data. Which of the following can be used to decrypt the information for retrieval?

A. Recovery agent
B. Private key
C. Trust models
D. Public key

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 17
Which of the following devices is MOST likely being used when processing the following? 1 PERMIT IP ANY ANY EQ 80

2 DENY IP ANY ANY

A. Firewall
B. NIPS
C. Load balancer
D. URL filter

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 18
The security administrator at ABC company received the following log information from an external party:

10:45:01 EST, SRC 10.4.3.7:3056, DST 8.4.2.1:80, ALERT, Directory traversal

10:45:02 EST, SRC 10.4.3.7:3057, DST 8.4.2.1:80, ALERT, Account brute force

10:45:03 EST, SRC 10.4.3.7:3058, DST 8.4.2.1:80, ALERT, Port scan

The external party is reporting attacks coming from abc-company.com. Which of the following is the reason the ABC company's security administrator is unable to determine the origin of the attack?

A. A NIDS was used in place of a NIPS.
B. The log is not in UTC.
C. The external party uses a firewall.
D. ABC company uses PAT.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 19
A user attempting to log on to a workstation for the first time is prompted for the following information before being granted access: username, password, and a four-digit security pin that was mailed to him during account registration. This is an example of which of the following?

A. Dual-factor authentication
B. Multifactor authentication
C. Single factor authentication
D. Biometric authentication

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
The security administrator is implementing a malware storage system to archive all malware seen by the company into a central database. The malware must be categorized and stored based on similarities in the code. Which of the following should the security administrator use to identify similar malware?

A. TwoFish
B. SHA-512
C. Fuzzy hashes
D. HMAC

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 21
The security administrator installed a newly generated SSL certificate onto the company web server. Due to a mis-configuration of the website, a downloadable file containing one of the pieces of the key was available to the public. It was verified that the disclosure did not require a reissue of the certificate. Which of the following was MOST likely compromised?

A. The file containing the recovery agent's keys.
B. The file containing the public key.
C. The file containing the private key.
D. The file containing the server's encrypted passwords.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 22
After analyzing and correlating activity from multiple sensors, the security administrator has determined that a group of very well organized individuals from an enemy country is responsible for various attempts to breach the company network, through the use of very sophisticated and targeted attacks. Which of the following is this an example of?

A. Privilege escalation
B. Advanced persistent threat
C. Malicious insider threat
D. Spear phishing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
Which of the following was launched against a company based on the following IDS log?

122.41.15.252 - - [21/May/2012:00:17:20 +1200] "GET /index.php?username=AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAA HTTP/1.1" 200 2731 "http://www.company.com/cgi- bin/forum/commentary.pl/noframes/read/209" "Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; Hotbar 4.4.7.0)"

A. SQL injection
B. Buffer overflow attack
C. XSS attack
D. Online password crack

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 24
The security administrator is analyzing a user's history file on a Unix server to determine if the user was attempting to break out of a rootjail. Which of the following lines in the user's history log shows evidence that the user attempted to escape the rootjail?

A. cd ../../../../bin/bash
B. whoami
C. ls /root
D. sudo -u root

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 25
A software development company has hired a programmer to develop a plug-in module to an existing proprietary application. After completing the module, the developer needs to test the entire application to ensure that the module did not introduce new vulnerabilities. Which of the following is the developer performing when testing the application?

A. Black box testing
B. White box testing
C. Gray box testing
D. Design review

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 26

A security administrator must implement all requirements in the following corporate policy:

- Passwords shall be protected against offline password brute force attacks.
- Passwords shall be protected against online password brute force attacks.

Which of the following technical controls must be implemented to enforce the corporate policy? (Select THREE).

A. Account lockout
B. Account expiration
C. Screen locks
D. Password complexity
E. Minimum password lifetime
F. Minimum password length

Correct Answer: ADF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
Which of the following is a best practice for error and exception handling?

A. Log detailed exception but display generic error message
B. Display detailed exception but log generic error message
C. Log and display detailed error and exception messages
D. Do not log or display error or exception messages

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
A merchant acquirer has the need to store credit card numbers in a transactional database in a high performance environment. Which of the following BEST protects the credit card data?

A. Database field encryption
B. File-level encryption
C. Data loss prevention system
D. Full disk encryption

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 29
A team of firewall administrators have access to a `master password list' containing service account passwords. Which of the following BEST protects the master password list?

A. File encryption
B. Password hashing
C. USB encryption
D. Full disk encryption

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
An SSL/TLS private key is installed on a corporate web proxy in order to inspect HTTPS requests. Which of the following describes how this private key should be stored so that it is protected from theft?

A. Implement full disk encryption
B. Store on encrypted removable media
C. Utilize a hardware security module
D. Store on web proxy file system

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 31
An insurance company requires an account recovery process so that information created by an employee can be accessed after that employee is no longer with the firm. Which of the following is the BEST approach to implement this process?

A. Employee is required to share their password with authorized staff prior to leaving the firm
B. Passwords are stored in a reversible form so that they can be recovered when needed
C. Authorized employees have the ability to reset passwords so that the data is accessible
D. All employee data is exported and imported by the employee prior to them leaving the firm

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 32
A small company has a website that provides online customer support. The company requires an account recovery process so that customers who forget their passwords can regain access. Which of the following is the BEST approach to implement this process?

A. Replace passwords with hardware tokens which provide two-factor authentication to the online customer support site.
B. Require the customer to physically come into the company's main office so that the customer can be authenticated prior to their password being reset.

C. Web-based form that identifies customer by another mechanism and then emails the customer their forgotten password.
D. Web-based form that identifies customer by another mechanism, sets a temporary password and forces a password change upon first login.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 33
A bank has a fleet of aging payment terminals used by merchants for transactional processing. The terminals currently support single DES but require an upgrade in order to be compliant with security standards. Which of the following is likely to be the simplest upgrade to the aging terminals which will improve in-transit protection of transactional data?

A. AES
B. 3DES
C. RC4
D. WPA2

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 34
A new MPLS network link has been established between a company and its business partner. The link provides logical isolation in order to prevent access from other business partners. Which of the following should be applied in order to achieve confidentiality and integrity of all data across the link?

A. MPLS should be run in IPVPN mode.
B. SSL/TLS for all application flows.
C. IPSec VPN tunnels on top of the MPLS link.
D. HTTPS and SSH for all application flows.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 35
Which of the following authentication services should be replaced with a more secure alternative?

A. RADIUS
B. TACACS
C. TACACS+
D. XTACACS

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 36
A financial company requires a new private network link with a business partner to cater for real- time and batched data flows. Which of the following activities should be performed by the IT security staff member prior to establishing the link?

A. Baseline reporting
B. Design review
C. Code review
D. SLA reporting

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 37
A customer has provided an email address and password to a website as part of the login process. Which of the following BEST describes the email address?

A. Identification
B. Authorization
C. Access control
D. Authentication

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 38
Which of the following is designed to ensure high availability of web based applications?

A. Proxies
B. Load balancers
C. URL filtering
D. Routers

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 39
After a number of highly publicized and embarrassing customer data leaks as a result of social engineering

attacks by phone, the Chief Information Officer (CIO) has decided user training will reduce the risk of another data leak. Which of the following would be MOST effective in reducing data leaks in this situation?

A. Information Security Awareness
B. Social Media and BYOD
C. Data Handling and Disposal
D. Acceptable Use of IT Systems

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 40
Human Resources (HR) would like executives to undergo only two specific security training programs a year. Which of the following provides the BEST level of security training for the executives? (Select TWO).

A. Acceptable use of social media
B. Data handling and disposal
C. Zero day exploits and viruses
D. Phishing threats and attacks
E. Clean desk and BYOD
F. Information security awareness

Correct Answer: DF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 41
Which of the following provides data the best fault tolerance at the LOWEST cost?

A. Load balancing
B. Clustering
C. Server virtualization
D. RAID 6

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
The librarian wants to secure the public Internet kiosk PCs at the back of the library. Which of the following would be the MOST appropriate? (Select TWO).

A. Device encryption
B. Antivirus
C. Privacy screen

D. Cable locks
E. Remote wipe

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 43
Which of the following functions provides an output which cannot be reversed and converts data into a string of characters?

A. Hashing
B. Stream ciphers
C. Steganography
D. Block ciphers

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 44
Which of the following encrypts data a single bit at a time?

A. Stream cipher
B. Steganography
C. 3DES
D. Hashing

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 45
A system administrator wants to enable WPA2 CCMP. Which of the following is the only encryption used?

A. RC4
B. DES
C. 3DES
D. AES

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 46
Which of the following is used to verify data integrity?

A. SHA
B. 3DES
C. AES
D. RSA

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
Two programmers write a new secure application for the human resources department to store personal identifiable information. The programmers make the application available to themselves using an uncommon port along with an ID and password only they know. This is an example of which of the following?

A. Root Kit
B. Spyware
C. Logic Bomb
D. Backdoor

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 48
Everyone in the accounting department has the ability to print and sign checks. Internal audit has asked that only one group of employees may print checks while only two other employees may sign the checks. Which of the following concepts would enforce this process?

A. Separation of Duties
B. Mandatory Vacations
C. Discretionary Access Control
D. Job Rotation

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 49
The security department has implemented a new laptop encryption product in the environment. The product requires one user name and password at the time of boot up and also another password after the operating system has finished loading. This setup is using which of the following authentication types?

A. Two-factor authentication

B. Single sign-on
C. Multifactor authentication
D. Single factor authentication

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 50
The Human Resources department has a parent shared folder setup on the server. There are two groups that have access, one called managers and one called staff. There are many sub folders under the parent shared folder, one is called payroll. The parent folder access control list propagates all subfolders and all subfolders inherit the parent permission. Which of the following is the quickest way to prevent the staff group from gaining access to the payroll folder?

A. Remove the staff group from the payroll folder
B. Implicit deny on the payroll folder for the staff group
C. Implicit deny on the payroll folder for the managers group
D. Remove inheritance from the payroll folder

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
The finance department works with a bank which has recently had a number of cyber attacks. The finance department is concerned that the banking website certificates have been compromised. Which of the following can the finance department check to see if any of the bank's certificates are still valid?

A. Bank's CRL
B. Bank's private key
C. Bank's key escrow
D. Bank's recovery agent

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 52
Which of the following are examples of network segmentation? (Select TWO).

A. IDS
B. IaaS
C. DMZ
D. Subnet
E. IPS

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
Which of the following provides the strongest authentication security on a wireless network?

A. MAC filter
B. WPA2
C. WEP
D. Disable SSID broadcast

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 54
Which of the following provides the BEST explanation regarding why an organization needs to implement IT security policies?

A. To ensure that false positives are identified
B. To ensure that staff conform to the policy
C. To reduce the organizational risk
D. To require acceptable usage of IT systems

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 55
An incident response team member needs to perform a forensics examination but does not have the required hardware. Which of the following will allow the team member to perform the examination with minimal impact to the potential evidence?

A. Using a software file recovery disc
B. Mounting the drive in read-only mode
C. Imaging based on order of volatility
D. Hashing the image after capture

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
Which of the following allows an organization to store a sensitive PKI component with a trusted third party?

A. Trust model
B. Public Key Infrastructure
C. Private key
D. Key escrow

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 57
Which of the following security devices can be replicated on a Linux based computer using IP tables to inspect and properly handle network based traffic?

A. Sniffer
B. Router
C. Firewall
D. Switch

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 58
A software firm posts patches and updates to a publicly accessible FTP site. The software firm also posts digitally signed checksums of all patches and updates. The firm does this to address:

A. Integrity of downloaded software.
B. Availability of the FTP site.
C. Confidentiality of downloaded software.
D. Integrity of the server logs.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 59
An administrator has successfully implemented SSL on srv4.comptia.com using wildcard certificate *.comptia.com, and now wishes to implement SSL on srv5.comptia.com. Which of the following files should be copied from srv4 to accomplish this?

A. certificate, private key, and intermediate certificate chain
B. certificate, intermediate certificate chain, and root certificate
C. certificate, root certificate, and certificate signing request

D. certificate, public key, and certificate signing request

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 60
When reviewing security logs, an administrator sees requests for the AAAA record of www.comptia.com. Which of the following BEST describes this type of record?

A. DNSSEC record
B. IPv4 DNS record
C. IPSEC DNS record
D. IPv6 DNS record

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 61
Which of the following practices reduces the management burden of access management?

A. Password complexity policies
B. User account audit
C. Log analysis and review
D. Group based privileges

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 62
Which of the following helps to apply the proper security controls to information?

A. Data classification
B. Deduplication
C. Clean desk policy
D. Encryption

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 63

Which of the following describes purposefully injecting extra input during testing, possibly causing an application to crash?

A. Input validation
B. Exception handling
C. Application hardening
D. Fuzzing

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
Which of the following types of security services are used to support authentication for remote users and devices?

A. Biometrics
B. HSM
C. RADIUS
D. TACACS

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 65
A Chief Information Security Officer (CISO) is tasked with outsourcing the analysis of security logs. These will need to still be reviewed on a regular basis to ensure the security of the company has not been breached. Which of the following cloud service options would support this requirement?

A. SaaS
B. MaaS
C. IaaS
D. PaaS

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 66
A security administrator needs a locally stored record to remove the certificates of a terminated employee. Which of the following describes a service that could meet these requirements?

A. OCSP
B. PKI
C. CA

D. CRL

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 67
A security analyst informs the Chief Executive Officer (CEO) that a security breach has just occurred. This results in the Risk Manager and Chief Information Officer (CIO) being caught unaware when the CEO asks for further information. Which of the following strategies should be implemented to ensure the Risk Manager and CIO are not caught unaware in the future?

A. Procedure and policy management
B. Chain of custody management
C. Change management
D. Incident management

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 68
Which of the following relies on the use of shared secrets to protect communication?

A. RADIUS
B. Kerberos
C. PKI
D. LDAP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 69
A security administrator wants to test the reliability of an application which accepts user provided parameters. The administrator is concerned with data integrity and availability. Which of the following should be implemented to accomplish this task?

A. Secure coding
B. Fuzzing
C. Exception handling
D. Input validation

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 70
Which of the following concepts is a term that directly relates to customer privacy considerations?

A. Data handling policies
B. Personally identifiable information
C. Information classification
D. Clean desk policies

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 71
Which of the following is a Data Loss Prevention (DLP) strategy and is MOST useful for securing data in use?

A. Email scanning
B. Content discovery
C. Database fingerprinting
D. Endpoint protection

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 72
Which of the following is a concern when encrypting wireless data with WEP?

A. WEP displays the plain text entire key when wireless packet captures are reassembled
B. WEP implements weak initialization vectors for key transmission
C. WEP uses a very weak encryption algorithm
D. WEP allows for only four pre-shared keys to be configured

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 73
A security administrator is tasked with calculating the total ALE on servers. In a two year period of time, a company has to replace five servers. Each server replacement has cost the company $4,000 with downtime costing $3,000. Which of the following is the ALE for the company?

A. $7,000
B. $10,000

C. $17,500
D. $35,000

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 74
ABC company has a lot of contractors working for them. The provisioning team does not always get notified that a contractor has left the company. Which of the following policies would prevent contractors from having access to systems in the event a contractor has left?

A. Annual account review
B. Account expiration policy
C. Account lockout policy
D. Account disablement

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 75
The practice of marking open wireless access points is called which of the following?

A. War dialing
B. War chalking
C. War driving
D. Evil twin

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 76
Multi-tenancy is a concept found in which of the following?

A. Full disk encryption
B. Removable media
C. Cloud computing
D. Data loss prevention

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 77
Which of the following is a common coding error in which boundary checking is not performed?

A. Input validation
B. Fuzzing
C. Secure coding
D. Cross-site scripting

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 78
While previously recommended as a security measure, disabling SSID broadcast is not effective against most attackers because network SSIDs are:

A. no longer used to authenticate to most wireless networks.
B. contained in certain wireless packets in plaintext.
C. contained in all wireless broadcast packets by default.
D. no longer supported in 802.11 protocols.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
One of the most consistently reported software security vulnerabilities that leads to major exploits is:

A. Lack of malware detection.
B. Attack surface decrease.
C. Inadequate network hardening.
D. Poor input validation.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 80
Public key certificates and keys that are compromised or were issued fraudulently are listed on which of the following?

A. PKI
B. ACL

C. CA
D. CRL

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
One of the most basic ways to protect the confidentiality of data on a laptop in the event the device is physically stolen is to implement which of the following?

A. File level encryption with alphanumeric passwords
B. Biometric authentication and cloud storage
C. Whole disk encryption with two-factor authentication
D. BIOS passwords and two-factor authentication

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 82
Users report that after downloading several applications, their systems' performance has noticeably decreased. Which of the following would be used to validate programs prior to installing them?

A. Whole disk encryption
B. SSH
C. Telnet
D. MD5

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 83
Ann, a security analyst, has been notified that trade secrets are being leaked from one of the executives in the corporation. When reviewing this executive's laptop she notices several pictures of the employee's pets are on the hard drive and on a cloud storage network. When Ann hashes the images on the hard drive against the hashes on the cloud network they do not match. Which of the following describes how the employee is leaking these secrets?

A. Social engineering
B. Steganography
C. Hashing
D. Digital signatures

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 84
A malicious user is sniffing a busy encrypted wireless network waiting for an authorized client to connect to it. Only after an authorized client has connected and the hacker was able to capture the client handshake with the AP can the hacker begin a brute force attack to discover the encryption key. Which of the following attacks is taking place?

A. IV attack
B. WEP cracking
C. WPA cracking
D. Rogue AP

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 85
Which of the following protocols is used by IPv6 for MAC address resolution?

A. NDP
B. ARP
C. DNS
D. NCP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 86
Which of the following provides dedicated hardware-based cryptographic functions to an operating system and its applications running on laptops and desktops?

A. TPM
B. HSM
C. CPU
D. FPU

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 87

Which of the following tests a number of security controls in the least invasive manner?

A. Vulnerability scan
B. Threat assessment
C. Penetration test
D. Ping sweep

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 88
When using PGP, which of the following should the end user protect from compromise? (Select TWO).

A. Private key
B. CRL details
C. Public key
D. Key password
E. Key escrow
F. Recovery agent

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 89
Which of the following disaster recovery strategies has the highest cost and shortest recovery time?

A. Warm site
B. Hot site
C. Cold site
D. Co-location site

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 90
In the case of a major outage or business interruption, the security office has documented the expected loss of earnings, potential fines and potential consequence to customer service. Which of the following would include the MOST detail on these objectives?

A. Business Impact Analysis
B. IT Contingency Plan
C. Disaster Recovery Plan
D. Continuity of Operations

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 91
After visiting a website, a user receives an email thanking them for a purchase which they did not request. Upon investigation the security administrator sees the following source code in a pop-up window:

<HTML>

<body onload="document.getElementByID('badForm').submit()">

<form id="badForm" action="shoppingsite.company.com/purchase.php" method="post"

<input name="Perform Purchase" value="Perform Purchase" />

</form></body></HTML>

Which of the following has MOST likely occurred?

A. SQL injection
B. Cookie stealing
C. XSRF
D. XSS

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 92
Which of the following ports should be used by a system administrator to securely manage a remote server?

A. 22
B. 69
C. 137
D. 445

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 93
Which of the following ports is used to securely transfer files between remote UNIX systems?

A. 21
B. 22

C. 69
D. 445

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 94
Which of the following is a security benefit of providing additional HVAC capacity or increased tonnage in a datacenter?

A. Increased availability of network services due to higher throughput
B. Longer MTBF of hardware due to lower operating temperatures
C. Higher data integrity due to more efficient SSD cooling
D. Longer UPS run time due to increased airflow

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 95
Fuzzing is a security assessment technique that allows testers to analyze the behavior of software applications under which of the following conditions?

A. Unexpected input
B. Invalid output
C. Parameterized input
D. Valid output

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 96
Which of the following types of wireless attacks would be used specifically to impersonate another WAP in order to gain unauthorized information from mobile users?

A. IV attack
B. Evil twin
C. War driving
D. Rogue access point

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 97
Which of the following types of application attacks would be used to identify malware causing security breaches that have NOT yet been identified by any trusted sources?

A. Zero-day
B. LDAP injection
C. XML injection
D. Directory traversal

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 98
Which of the following is built into the hardware of most laptops but is not setup for centralized management by default?

A. Whole disk encryption
B. TPM encryption
C. USB encryption
D. Individual file encryption

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 99
Which of the following is true about the recovery agent?

A. It can decrypt messages of users who lost their private key.
B. It can recover both the private and public key of federated users.
C. It can recover and provide users with their lost or private key.
D. It can recover and provide users with their lost public key.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 100
Which of the following MOST specifically defines the procedures to follow when scheduled system patching fails resulting in system outages?

A. Risk transference

B. Change management
C. Configuration management
D. Access control revalidation

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Exam F

QUESTION 1
A review of the company's network traffic shows that most of the malware infections are caused by users visiting gambling and gaming websites. The security manager wants to implement a solution that will block these websites, scan all web traffic for signs of malware, and block the malware before it enters the company network. Which of the following is suited for this purpose?

A. ACL
B. IDS
C. UTM
D. Firewall

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 2
Which of the following would the security engineer set as the subnet mask for the servers below to utilize host addresses on separate broadcast domains?

Server 1: 192.168.100.6

Server 2: 192.168.100.9

Server 3: 192.169.100.20

A. /24
B. /27
C. /28
D. /29
E. /30

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 3
Which of the following offerings typically allows the customer to apply operating system patches?

A. Software as a service
B. Public Clouds
C. Cloud Based Storage
D. Infrastructure as a service

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 4
A technician is unable to manage a remote server. Which of the following ports should be opened on the firewall for remote server management? (Select TWO).

A. 22
B. 135
C. 137
D. 143
E. 443
F. 3389

Correct Answer: AF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 5
Which of the following network design elements allows for many internal devices to share one public IP address?

A. DNAT
B. PAT
C. DNS
D. DMZ

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 6
When designing a new network infrastructure, a security administrator requests that the intranet web server be placed in an isolated area of the network for security purposes. Which of the following design elements would be implemented to comply with the security administrator's request?

A. DMZ
B. Cloud services
C. Virtualization
D. Sandboxing

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 7
Which of the following components of an all-in-one security appliance would MOST likely be configured in order to restrict access to peer-to-peer file sharing websites?

A. Spam filter
B. URL filter
C. Content inspection
D. Malware inspection

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
At an organization, unauthorized users have been accessing network resources via unused network wall jacks. Which of the following would be used to stop unauthorized access?

A. Configure an access list.
B. Configure spanning tree protocol.
C. Configure port security.
D. Configure loop protection.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 9
Users report that they are unable to access network printing services. The security technician checks the router access list and sees that web, email, and secure shell are allowed. Which of the following is blocking network printing?

A. Port security
B. Flood guards
C. Loop protection
D. Implicit deny

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 10
Joe, a security administrator, believes that a network breach has occurred in the datacenter as a result of a misconfigured router access list, allowing outside access to an SSH server. Which of the following should Joe search for in the log files?

A. Failed authentication attempts
B. Network ping sweeps
C. Host port scans
D. Connections to port 22

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
Which of the following firewall types inspects Ethernet traffic at the MOST levels of the OSI model?

A. Packet Filter Firewall
B. Stateful Firewall
C. Proxy Firewall
D. Application Firewall

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
A security analyst needs to logon to the console to perform maintenance on a remote server. Which of the following protocols would provide secure access?

A. SCP
B. SSH
C. SFTP
D. HTTPS

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 13
The network administrator has been tasked to rebuild a compromised web server. The administrator is to remove the malware and install all the necessary updates and patches. This represents which of the following stages of the Incident Handling Response?

A. Lessons Learned
B. Plan of action
C. Eradication
D. Reconstitution

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 14
Management has been informed of an increased number of tailgating violations into the server room. Which of the following is the BEST method of preventing future violations?

A. Security Guards
B. Man Traps
C. Proximity Cards
D. Biometrics authentication

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
Ann, a newly hired human resource employee, sent out confidential emails with digital signatures, to an unintended group. Which of the following would prevent her from denying accountability?

A. Email Encryption
B. Steganography
C. Non Repudiation
D. Access Control

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 16
Ann would like to forward some Personal Identifiable Information to her HR department by email, but she is worried about the confidentiality of the information. Which of the following will accomplish this task securely?

A. Digital Signatures
B. Hashing
C. Secret Key
D. Encryption

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 17
Ann, a technician, is attempting to establish a remote terminal session to an end user's computer using Kerberos authentication, but she cannot connect to the destination machine. Which of the following default ports should Ann ensure is open?

A. 22
B. 139

C. 443
D. 3389

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 18
Concurrent use of a firewall, content filtering, antivirus software and an IDS system would be considered components of:

A. Redundant systems.
B. Separation of duties.
C. Layered security.
D. Application control.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 19
A company is trying to limit the risk associated with the use of unapproved USB devices to copy documents. Which of the following would be the BEST technology control to use in this scenario?

A. Content filtering
B. IDS
C. Audit logs
D. DLP

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
A company's employees were victims of a spear phishing campaign impersonating the CEO. The company would now like to implement a solution to improve the overall security posture by assuring their employees that email originated from the CEO. Which of the following controls could they implement to BEST meet this goal?

A. Spam filter
B. Digital signatures
C. Antivirus software
D. Digital certificates

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 21
Which of the following is a security risk regarding the use of public P2P as a method of collaboration?

A. Data integrity is susceptible to being compromised.
B. Monitoring data changes induces a higher cost.
C. Users are not responsible for data usage tracking.
D. Limiting the amount of necessary space for data storage.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 22
The method to provide end users of IT systems and applications with requirements related to acceptable use, privacy, new threats and trends, and use of social networking is:

A. Security awareness training.
B. BYOD security training.
C. Role-based security training.
D. Legal compliance training.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
After an audit, it was discovered that the security group memberships were not properly adjusted for employees' accounts when they moved from one role to another. Which of the following has the organization failed to properly implement? (Select TWO).

A. Mandatory access control enforcement.
B. User rights and permission reviews.
C. Technical controls over account management.
D. Account termination procedures.
E. Management controls over account management.
F. Incident management and response plan.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 24

A security technician wishes to gather and analyze all Web traffic during a particular time period. Which of the following represents the BEST approach to gathering the required data?

A. Configure a VPN concentrator to log all traffic destined for ports 80 and 443.
B. Configure a proxy server to log all traffic destined for ports 80 and 443.
C. Configure a switch to log all traffic destined for ports 80 and 443.
D. Configure a NIDS to log all traffic destined for ports 80 and 443.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 25
A security administrator suspects that an increase in the amount of TFTP traffic on the network is due to unauthorized file transfers, and wants to configure a firewall to block all TFTP traffic. Which of the following would accomplish this task?

A. Deny TCP port 68
B. Deny TCP port 69
C. Deny UDP port 68
D. Deny UCP port 69

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
A company determines a need for additional protection from rogue devices plugging into physical ports around the building. Which of the following provides the highest degree of protection from unauthorized wired network access?

A. Intrusion Prevention Systems
B. MAC filtering
C. Flood guards
D. 802.1x

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
The Chief Technical Officer (CTO) is worried about an increased amount of malware detected on end user's workstations. Which of the following technologies should be recommended to detect such anomalies?

A. NIDS
B. Web content filter

C. Host-based IDS
D. Web application firewall

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
The network security engineer just deployed an IDS on the network, but the Chief Technical Officer (CTO) has concerns that the device is only able to detect known anomalies. Which of the following types of IDS has been deployed?

A. Signature Based IDS
B. Heuristic IDS
C. Behavior Based IDS
D. Anomaly Based IDS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 29
Joe, a newly hired employee, has a corporate workstation that has been compromised due to several visits to P2P sites. Joe insisted that he was not aware of any company policy that prohibits the use of such web sites. Which of the following is the BEST method to deter employees from the improper use of the company's information systems?

A. Acceptable Use Policy
B. Privacy Policy
C. Security Policy
D. Human Resource Policy

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
A compromised workstation utilized in a Distributed Denial of Service (DDOS) attack has been removed from the network and an image of the hard drive has been created. However, the system administrator stated that the system was left unattended for several hours before the image was created. In the event of a court case, which of the following is likely to be an issue with this incident?

A. Eye Witness
B. Data Analysis of the hard drive
C. Chain of custody
D. Expert Witness

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 31
The Chief Technical Officer (CTO) has tasked The Computer Emergency Response Team (CERT) to develop and update all Internal Operating Procedures and Standard Operating Procedures documentation in order to successfully respond to future incidents. Which of the following stages of the Incident Handling process is the team working on?

A. Lessons Learned
B. Eradication
C. Recovery
D. Preparation

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 32
Company XYZ recently salvaged company laptops and removed all hard drives, but the Chief Information Officer (CIO) is concerned about disclosure of confidential information. Which of the following is the MOST secure method to dispose of these hard drives?

A. Degaussing
B. Physical Destruction
C. Lock up hard drives in a secure safe
D. Wipe

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 33
During which of the following phases of the Incident Response process should a security administrator define and implement general defense against malware?

A. Lessons Learned
B. Preparation
C. Eradication
D. Identification

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 34
A company has recently implemented a high density wireless system by having a junior technician install two new access points for every access point already deployed. Users are now reporting random wireless disconnections and slow network connectivity. Which of the following is the MOST likely cause?

A. The old APs use 802.11a
B. Users did not enter the MAC of the new APs
C. The new APs use MIMO
D. A site survey was not conducted

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 35
A company provides secure wireless Internet access for visitors and vendors working onsite. Some of the vendors using older technology report that they are unable to access the wireless network after entering the correct network information. Which of the following is the MOST likely reason for this issue?

A. The SSID broadcast is disabled.
B. The company is using the wrong antenna type.
C. The MAC filtering is disabled on the access point.
D. The company is not using strong enough encryption.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 36
A company is looking to reduce the likelihood of employees in the finance department being involved with money laundering. Which of the following controls would BEST mitigate this risk?

A. Implement privacy policies
B. Enforce mandatory vacations
C. Implement a security policy
D. Enforce time of day restrictions

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 37
A company recently experienced data loss when a server crashed due to a midday power outage. Which of the following should be used to prevent this from occurring again?

A. Recovery procedures
B. EMI shielding
C. Environmental monitoring
D. Redundancy

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 38
Joe, a security administrator, is concerned with users tailgating into the restricted areas. Given a limited budget, which of the following would BEST assist Joe with detecting this activity?

A. Place a full-time guard at the entrance to confirm user identity.
B. Install a camera and DVR at the entrance to monitor access.
C. Revoke all proximity badge access to make users justify access.
D. Install a motion detector near the entrance.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 39
It is important to staff who use email messaging to provide PII to others on a regular basis to have confidence that their messages are not intercepted or altered during transmission. They are concerned about which of the following types of security control?

A. Integrity
B. Safety
C. Availability
D. Confidentiality

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 40
A security manager requires fencing around the perimeter, and cipher locks on all entrances. The manager is concerned with which of the following security controls?

A. Integrity
B. Availability
C. Confidentiality
D. Safety

Correct Answer: D

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 41
A security engineer is reviewing log data and sees the output below:

POST: /payload.php HTTP/1.1

HOST: localhost

Accept: */*

Referrer: http://localhost/

****

HTTP/1.1 403 Forbidden

Connection: close

Log: Access denied with 403. Pattern matches form bypass

Which of the following technologies was MOST likely being used to generate this log?

A. Host-based Intrusion Detection System
B. Web application firewall
C. Network-based Intrusion Detection System
D. Stateful Inspection Firewall
E. URL Content Filter

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
A security team has identified that the wireless signal is broadcasting into the parking lot. To reduce the risk of an attack against the wireless network from the parking lot, which of the following controls should be used? (Select TWO).

A. Antenna placement
B. Interference
C. Use WEP
D. Single Sign on
E. Disable the SSID
F. Power levels

Correct Answer: AF
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 43
An organization does not have adequate resources to administer its large infrastructure. A security administrator wishes to integrate the security controls of some of the network devices in the organization. Which of the following methods would BEST accomplish this goal?

A. Unified Threat Management
B. Virtual Private Network
C. Single sign on
D. Role-based management

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 44
Which of the following would allow the organization to divide a Class C IP address range into several ranges?

A. DMZ
B. Virtual LANs
C. NAT
D. Subnetting

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 45
A company's legacy server requires administration using Telnet. Which of the following protocols could be used to secure communication by offering encryption at a lower OSI layer? (Select TWO).

A. IPv6
B. SFTP
C. IPSec
D. SSH
E. IPv4

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 46
Joe, the Chief Technical Officer (CTO), is concerned about new malware being introduced into the corporate network. He has tasked the security engineers to implement a technology that is capable of alerting the team when unusual traffic is on the network. Which of the following types of technologies will BEST address this scenario?

A. Application Firewall
B. Anomaly Based IDS
C. Proxy Firewall
D. Signature IDS

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
A security administrator wishes to increase the security of the wireless network. Which of the following BEST addresses this concern?

A. Change the encryption from TKIP-based to CCMP-based.
B. Set all nearby access points to operate on the same channel.
C. Configure the access point to use WEP instead of WPA2.
D. Enable all access points to broadcast their SSIDs.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 48
Which of the following describes the purpose of an MOU?

A. Define interoperability requirements
B. Define data backup process
C. Define onboard/offboard procedure
D. Define responsibilities of each party

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 49
The system administrator has deployed updated security controls for the network to limit risk of attack. The security manager is concerned that controls continue to function as intended to maintain appropriate security posture. Which of the following risk mitigation strategies is MOST important to the security manager?

A. User permissions
B. Policy enforcement
C. Routine audits
D. Change management

Correct Answer: C

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 50
The security manager received a report that an employee was involved in illegal activity and has saved data to a workstation's hard drive. During the investigation, local law enforcement's criminal division confiscates the hard drive as evidence. Which of the following forensic procedures is involved?

A. Chain of custody
B. System image
C. Take hashes
D. Order of volatility

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
Environmental control measures include which of the following?

A. Access list
B. Lighting
C. Motion detection
D. EMI shielding

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 52
Which of the following is the BEST concept to maintain required but non-critical server availability?

A. SaaS site
B. Cold site
C. Hot site
D. Warm site

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
Prior to leaving for an extended vacation, Joe uses his mobile phone to take a picture of his family in the house living room. Joe posts the picture on a popular social media site together with the message: "Heading to our

two weeks vacation to Italy." Upon returning home, Joe discovers that the house was burglarized. Which of the following is the MOST likely reason the house was burglarized if nobody knew Joe's home address?

A. Joe has enabled the device access control feature on his mobile phone.
B. Joe's home address can be easily found using the TRACEROUTE command.
C. The picture uploaded to the social media site was geo-tagged by the mobile phone.
D. The message posted on the social media site informs everyone the house will be empty.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 54
Which of the following technical controls helps to prevent Smartphones from connecting to a corporate network?

A. Application white listing
B. Remote wiping
C. Acceptable use policy
D. Mobile device management

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 55
The Chief Risk Officer is concerned about the new employee BYOD device policy and has requested the security department implement mobile security controls to protect corporate data in the event that a device is lost or stolen. The level of protection must not be compromised even if the communication SIM is removed from the device. Which of the following BEST meets the requirements? (Select TWO).

A. Asset tracking
B. Screen-locks
C. Geo-tagging
D. Patch management
E. Device encryption

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
A way to assure data at-rest is secure even in the event of loss or theft is to use:

A. Full device encryption.
B. Special permissions on the file system.

C. Trusted Platform Module integration.
D. Access Control Lists.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 57
Which of the following would prevent a user from installing a program on a company-owned mobile device?

A. White-listing
B. Access control lists
C. Geotagging
D. Remote wipe

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 58
Which of the following can be used to maintain a higher level of security in a SAN by allowing isolation of mis-configurations or faults?

A. VLAN
B. Protocol security
C. Port security
D. VSAN

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 59
The act of magnetically erasing all of the data on a disk is known as:

A. Wiping
B. Dissolution
C. Scrubbing
D. Degaussing

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 60
LDAP and Kerberos are commonly used for which of the following?

A. To perform queries on a directory service
B. To store usernames and passwords for Federated Identity
C. To sign SSL wildcard certificates for subdomains
D. To utilize single sign-on capabilities

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 61
A recent audit has revealed weaknesses in the process of deploying new servers and network devices. Which of the following practices could be used to increase the security posture during deployment? (Select TWO).

A. Deploy a honeypot
B. Disable unnecessary services
C. Change default passwords
D. Implement an application firewall
E. Penetration testing

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 62
Joe, a network security engineer, has visibility to network traffic through network monitoring tools. However, he's concerned that a disgruntled employee may be targeting a server containing the company's financial records. Which of the following security mechanism would be MOST appropriate to confirm Joe's suspicion?

A. HIDS
B. HIPS
C. NIPS
D. NIDS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 63
Ann, a security administrator, wishes to replace their RADIUS authentication with a more secure protocol, which can utilize EAP. Which of the following would BEST fit her objective?

A. CHAP

B. SAML
C. Kerberos
D. Diameter

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
Joe analyzed the following log and determined the security team should implement which of the following as a mitigation method against further attempts?

Host 192.168.1.123

[00:00:01]Successful Login: 015 192.168.1.123 : local

[00:00:03]Unsuccessful Login: 022 214.34.56.006 :RDP 192.168.1.124

[00:00:04]UnSuccessful Login: 010 214.34.56.006 :RDP 192.168.1.124

[00:00:07]UnSuccessful Login: 007 214.34.56.006 :RDP 192.168.1.124 [00:00:08]UnSuccessful Login: 003 214.34.56.006 :RDP 192.168.1.124

A. Reporting
B. IDS
C. Monitor system logs
D. Hardening

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 65
A computer supply company is located in a building with three wireless networks. The system security team implemented a quarterly security scan and saw the following. Which of the following is this an example of?

SSID State Channel Level

Computer AreUs1 connected 1 70dbm

Computer AreUs2 connected 5 80dbm

Computer AreUs3 connected 3 75dbm

Computer AreUs4 connected 6 95dbm

A. Rouge access point
B. Near field communication
C. Jamming
D. Packet sniffing

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 66
Joe, a technician at the local power plant, notices that several turbines had ramp up in cycles during the week. Further investigation by the system engineering team determined that a timed .exe file had been uploaded to the system control console during a visit by international contractors. Which of the following actions should Joe recommend?

A. Create a VLAN for the SCADA
B. Enable PKI for the MainFrame
C. Implement patch management
D. Implement stronger WPA2 Wireless

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 67
A system administrator has been instructed by the head of security to protect their data at-rest. Which of the following would provide the strongest protection?

A. Prohibiting removable media
B. Incorporating a full-disk encryption system
C. Biometric controls on data center entry points
D. A host-based intrusion detection system

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 68
An Information Systems Security Officer (ISSO) has been placed in charge of a classified peer-to- peer network that cannot connect to the Internet. The ISSO can update the antivirus definitions manually, but which of the following steps is MOST important?

A. A full scan must be run on the network after the DAT file is installed.
B. The signatures must have a hash value equal to what is displayed on the vendor site.
C. The definition file must be updated within seven days.
D. All users must be logged off of the network prior to the installation of the definition file.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 69
Ann has taken over as the new head of the IT department. One of her first assignments was to implement AAA in preparation for the company's new telecommuting policy. When she takes inventory of the organizations existing network infrastructure, she makes note that it is a mix of several different vendors. Ann knows she needs a method of secure centralized access to the company's network resources. Which of the following is the BEST service for Ann to implement?

A. RADIUS
B. LDAP
C. SAML
D. TACACS+

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 70
A group policy requires users in an organization to use strong passwords that must be changed every 15 days. Joe and Ann were hired 16 days ago. When Joe logs into the network, he is prompted to change his password; when Ann logs into the network, she is not prompted to change her password. Which of the following BEST explains why Ann is not required to change her password?

A. Ann's user account has administrator privileges.
B. Joe's user account was not added to the group policy.
C. Ann's user account was not added to the group policy.
D. Joe's user account was inadvertently disabled and must be re-created.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 71
A new web server has been provisioned at a third party hosting provider for processing credit card transactions. The security administrator runs the netstat command on the server and notices that ports 80, 443, and 3389 are in a `listening' state. No other ports are open. Which of the following services should be disabled to ensure secure communications?

A. HTTPS
B. HTTP
C. RDP
D. TELNET

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 72
Several employee accounts appear to have been cracked by an attacker. Which of the following should the security administrator implement to mitigate password cracking attacks? (Select TWO).

A. Increase password complexity
B. Deploy an IDS to capture suspicious logins
C. Implement password history
D. Implement monitoring of logins
E. Implement password expiration
F. Increase password length

Correct Answer: AF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 73
Human Resources suspects an employee is accessing the employee salary database. The administrator is asked to find out who it is. In order to complete this task, which of the following is a security control that should be in place?

A. Shared accounts should not be in use
B. Account lockout should be enabled
C. Privileges should be assigned to groups rather than individuals
D. Time of day restrictions should be in use

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 74
A cafe provides laptops for Internet access to their customers. The cafe is located in the center corridor of a busy shopping mall. The company has experienced several laptop thefts from the cafe during peek shopping hours of the day. Corporate has asked that the IT department provide a solution to eliminate laptop theft. Which of the following would provide the IT department with the BEST solution?

A. Attach cable locks to each laptop
B. Require each customer to sign an AUP
C. Install a GPS tracking device onto each laptop
D. Install security cameras within the perimeter of the cafe

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 75
An auditor's report discovered several accounts with no activity for over 60 days. The accounts were later

identified as contractors' accounts who would be returning in three months and would need to resume the activities. Which of the following would mitigate and secure the auditors finding?

A. Disable unnecessary contractor accounts and inform the auditor of the update.
B. Reset contractor accounts and inform the auditor of the update.
C. Inform the auditor that the accounts belong to the contractors.
D. Delete contractor accounts and inform the auditor of the update.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 76
A company hired Joe, an accountant. The IT administrator will need to create a new account for Joe. The company uses groups for ease of management and administration of user accounts. Joe will need network access to all directories, folders and files within the accounting department. Which of the following configurations will meet the requirements?

A. Create a user account and assign the user account to the accounting group.
B. Create an account with role-based access control for accounting.
C. Create a user account with password reset and notify Joe of the account creation.
D. Create two accounts: a user account and an account with full network administration rights.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 77
Ann, the network administrator, has learned from the helpdesk that employees are accessing the wireless network without entering their domain credentials upon connection. Once the connection is made, they cannot reach any internal resources, while wired network connections operate smoothly. Which of the following is MOST likely occurring?

A. A user has plugged in a personal access point at their desk to connect to the network wirelessly.
B. The company is currently experiencing an attack on their internal DNS servers.
C. The company's WEP encryption has been compromised and WPA2 needs to be implemented instead.
D. An attacker has installed an access point nearby in an attempt to capture company information.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 78
Ann works at a small company and she is concerned that there is no oversight in the finance department; specifically, that Joe writes, signs and distributes paychecks, as well as other expenditures. Which of the following controls can she implement to address this concern?

A. Mandatory vacations
B. Time of day restrictions
C. Least privilege
D. Separation of duties

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
A hospital IT department wanted to secure its doctor's tablets. The IT department wants operating system level security and the ability to secure the data from alteration. Which of the following methods would MOST likely work?

A. Cloud storage
B. Removal Media
C. TPM
D. Wiping

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 80
Customers' credit card information was stolen from a popular video streaming company. A security consultant determined that the information was stolen, while in transit, from the gaming consoles of a particular vendor. Which of the following methods should the company consider to secure this data in the future?

A. Application firewalls
B. Manual updates
C. Firmware version control
D. Encrypted TCP wrappers

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
A new intern was assigned to the system engineering department, which consists of the system architect and system software developer's teams. These two teams have separate privileges. The intern requires privileges to view the system architectural drawings and comment on some software development projects. Which of the following methods should the system administrator implement?

A. Group base privileges
B. Generic account prohibition
C. User access review

D. Credential management

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 82
A system security analyst using an enterprise monitoring tool notices an unknown internal host exfiltrating files to several foreign IP addresses. Which of the following would be an appropriate mitigation technique?

A. Disabling unnecessary accounts
B. Rogue machine detection
C. Encrypting sensitive files
D. Implementing antivirus

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 83
One of the system administrators at a company is assigned to maintain a secure computer lab. The administrator has rights to configure machines, install software, and perform user account maintenance. However, the administrator cannot add new computers to the domain, because that requires authorization from the Information Assurance Officer. This is an example of which of the following?

A. Mandatory access
B. Rule-based access control
C. Least privilege
D. Job rotation

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 84
Which of the following common access control models is commonly used on systems to ensure a "need to know" based on classification levels?

A. Role Based Access Controls
B. Mandatory Access Controls
C. Discretionary Access Controls
D. Access Control List

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 85
A company's security administrator wants to manage PKI for internal systems to help reduce costs. Which of the following is the FIRST step the security administrator should take?

A. Install a registration server.
B. Generate shared public and private keys.
C. Install a CA.
D. Establish a key escrow policy.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 86
Which of the following concepts describes the use of a one way transformation in order to validate the integrity of a program?

A. Hashing
B. Key escrow
C. Non-repudiation
D. Steganography

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 87
A system administrator has noticed vulnerability on a high impact production server. A recent update was made available by the vendor that addresses the vulnerability but requires a reboot of the system afterwards. Which of the following steps should the system administrator implement to address the vulnerability?

A. Test the update in a lab environment, schedule downtime to install the patch, install the patch and reboot the server and monitor for any changes
B. Test the update in a lab environment, backup the server, schedule downtime to install the patch, install the patch, and monitor for any changes
C. Test the update in a lab environment, backup the server, schedule downtime to install the patch, install the update, reboot the server, and monitor for any changes
D. Backup the server, schedule downtime to install the patch, installs the patch and monitor for any changes

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

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