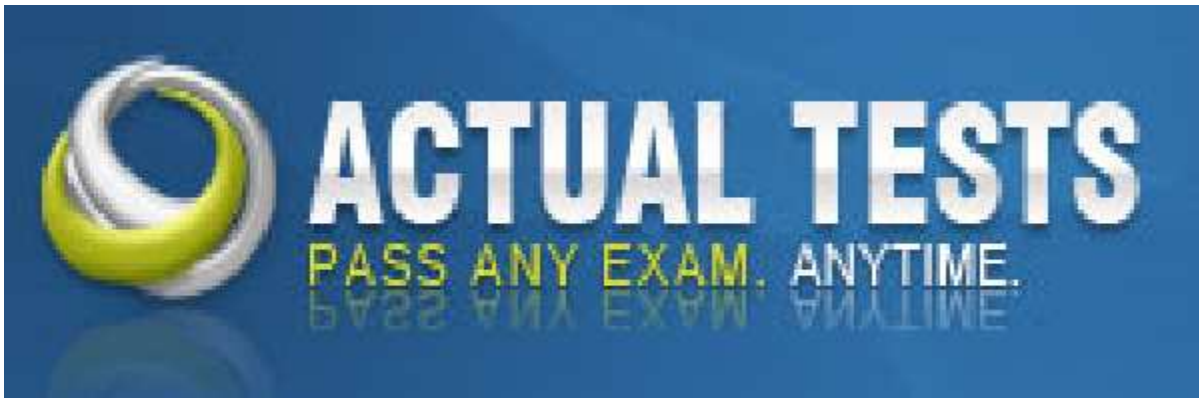


Comptia SY0-401 Exam Questions & Answers

Number: SY0-401
Passing Score: 800
Time Limit: 120 min
File Version: 20.8



<http://www.gratisexam.com/>



Comptia SY0-401 Exam Questions & Answers

Exam Name: CompTIA Security+ Certification Exam

Exam A

QUESTION 1

A password history value of three means which of the following?

- A. Three different passwords are used before one can be reused.
- B. A password cannot be reused once changed for three years.
- C. After three hours a password must be re-entered to continue.
- D. The server stores passwords in the database for three days.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

In order to provide flexible working conditions, a company has decided to allow some employees remote access into corporate headquarters. Which of the following security technologies could be used to provide remote access? (Select TWO).

- A. Subnetting
- B. NAT
- C. Firewall
- D. NAC
- E. VPN

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

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:

QUESTION 4

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:

QUESTION 5

After verifying that the server and database are running, Jane, the administrator, is still unable to make a TCP connection to the database. Which of the following is the MOST likely cause for this?



<http://www.gratisexam.com/>

- A. The server has data execution prevention enabled
- B. The server has TPM based protection enabled
- C. The server has HIDS installed
- D. The server is running a host-based firewall

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

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:

QUESTION 7

If Pete, a security administrator, wants to ensure that certain users can only gain access to the system during their respective shifts, which of the following best practices would he implement?

- A. Separation of duties
- B. Time of day restrictions

- C. Implicit deny rule
- D. Least privilege

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

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:

QUESTION 9

A security administrator is observing congestion on the firewall interfaces and a high number of half open incoming connections from different external IP addresses. Which of the following attack types is underway?

- A. Cross-site scripting
- B. SPIM
- C. Client-side
- D. DDoS

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

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:

QUESTION 11

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:

QUESTION 12

Which of the following BEST describes a common security concern for cloud computing?

- A. Data may be accessed by third parties who have compromised the cloud platform
- B. Antivirus signatures are not compatible with virtualized environments
- C. Network connections are too slow
- D. CPU and memory resources may be consumed by other servers in the same cloud

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

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:

QUESTION 14

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:

QUESTION 15

The security administrator wants each user to individually decrypt a message but allow anybody to encrypt it. Which of the following **MUST** be implemented to allow this type of authorization?

- A. Use of CA certificate
- B. Use of public keys only
- C. Use of private keys only
- D. Use of public and private keys

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

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:

QUESTION 17

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:

QUESTION 18

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:

QUESTION 19

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:

QUESTION 20

A server containing critical data will cost the company \$200/hour if it were to be unavailable due to DoS attacks. The security administrator expects the server to become unavailable for a total of two days next year. Which of the following is true about the ALE?

- A. The ALE is \$48.
- B. The ALE is \$400.
- C. The ALE is \$4,800.
- D. The ALE is \$9,600.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

A system administrator decides to use SNMPv3 on the network router in AuthPriv mode. Which of the following algorithm combinations would be valid?

- A. AES-RC4
- B. 3DES-MD5
- C. RSA-DSA
- D. SHA1-HMAC

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

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:

QUESTION 23

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:

QUESTION 24

Which of the following provides the MOST protection against zero day attacks via email attachments?

- A. Anti-spam
- B. Anti-virus
- C. Host-based firewalls
- D. Patch management

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

Which of the following would MOST likely ensure that swap space on a hard disk is encrypted?

- A. Database encryption
- B. Full disk encryption
- C. Folder and file encryption
- D. Removable media encryption

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

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:

QUESTION 27

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:

QUESTION 28

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:

QUESTION 29

Elliptic curve cryptography: (Select TWO)

- A. is used in both symmetric and asymmetric encryption.
- B. is used mostly in symmetric encryption.
- C. is mostly used in embedded devices.
- D. produces higher strength encryption with shorter keys.
- E. is mostly used in hashing algorithms.

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

Which of the following would an antivirus company use to efficiently capture and analyze new and unknown malicious attacks?

- A. Fuzzer
- B. IDS
- C. Proxy
- D. Honeynet

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

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:

QUESTION 32

Which of the following is an attack vector that can cause extensive physical damage to a datacenter without physical access?

- A. CCTV system access
- B. Dial-up access
- C. Changing environmental controls
- D. Ping of death

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

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:

QUESTION 34

Which of the following provides the HIGHEST level of confidentiality on a wireless network?

- A. Disabling SSID broadcast
- B. MAC filtering
- C. WPA2
- D. Packet switching

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

Matt, an IT administrator, wants to protect a newly built server from zero day attacks. Which of the following would provide the BEST level of protection?

- A. HIPS
- B. Antivirus
- C. NIDS
- D. ACL

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

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:

QUESTION 37

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:

QUESTION 38

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:

Exam B

QUESTION 1

A marketing employee requests read and write permissions to the finance department's folders. The security administrator partially denies this request and only gives the marketing employee read-only permissions. This is an example of which of the following?

- A. Job rotation
- B. Separation of duties
- C. Least privilege
- D. Change management

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

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:

QUESTION 3

An administrator notices an unusual spike in network traffic from many sources. The administrator suspects that:

- A. it is being caused by the presence of a rogue access point.
- B. it is the beginning of a DDoS attack.
- C. the IDS has been compromised.
- D. the internal DNS tables have been poisoned.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

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

- A. DNS

- B. SCP
- C. SSH
- D. ICMP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

Users require access to a certain server depending on their job function. Which of the following would be the MOST appropriate strategy for securing the server?

- A. Common access card
- B. Role based access control
- C. Discretionary access control
- D. Mandatory access control

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

Matt, the security administrator, notices a large number of alerts on the NIDS. Upon further inspection, it is determined that no attack has really taken place. This is an example of a:

- A. false negative.
- B. true negative.
- C. false positive.
- D. true positive.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

Which of the following would Pete, a security administrator, MOST likely implement in order to allow employees to have secure remote access to certain internal network services such as file servers?

- A. Packet filtering firewall
- B. VPN gateway
- C. Switch
- D. Router

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

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:

QUESTION 9

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:

QUESTION 10

Which of the following devices can Sara, an administrator, implement to detect and stop known attacks?

- A. Signature-based NIDS
- B. Anomaly-based NIDS
- C. Signature-based NIPS
- D. Anomaly-based NIPS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

Which of the following security concepts are used for data classification and labeling to protect data? (Select TWO)

- A. Need to know

- B. Role based access control
- C. Authentication
- D. Identification
- E. Authorization

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

Jane, an administrator, hears reports of circles being drawn in the parking lot. Because the symbols fall within range of the company's wireless AP, the MOST likely concern is:

- A. that someone has used war chalking to help others access the company's network.
- B. that the symbols indicate the presence of an evil twin of a legitimate AP.
- C. that someone is planning to install an AP where the symbols are, to cause interference.
- D. that a rogue access point has been installed within range of the symbols.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

Matt, a security administrator, is receiving reports about several SQL injections and buffer overflows through his company's website. Which of the following would reduce the amount of these attack types?

- A. Antivirus
- B. Anti-spam
- C. Input validation
- D. Host based firewalls

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

Enforcing data encryption of removable media ensures that the:

- A. lost media cannot easily be compromised.
- B. media can be identified.
- C. location of the media is known at all times.
- D. identification of the user is non-repudiated.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

A company had decided to assign employees laptops instead of desktops to mitigate the risk of company closures due to disasters. Which of the following is the company trying to ensure?

- A. Succession planning
- B. Fault tolerance
- C. Continuity of operations
- D. Removing single points of failure

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

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:

QUESTION 17

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:

QUESTION 18

Pete, the security administrator, wants to ensure that traffic to the corporate intranet is secure using HTTPS. He configures the firewall to deny traffic to port 80. Now users cannot connect to the intranet even through HTTPS. Which of the following is MOST likely causing the issue?

- A. The web server is configured on the firewall's DMZ interface.
- B. The VLAN is improperly configured.
- C. The firewall's MAC address has not been entered into the filtering list.
- D. The firewall executes an implicit deny.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

Mike, a user, receives an email from his grandmother stating that she is in another country and needs money. The email address belongs to his grandmother. Which of the following attacks is this?

- A. Man-in-the-middle
- B. Spoofing
- C. Relaying
- D. Pharming

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

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:

QUESTION 21

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:

QUESTION 22

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:

QUESTION 23

Which of the following must Jane, a security administrator, implement to ensure all wired ports are authenticated before a user is allowed onto the network?

- A. Intrusion prevention system
- B. Web security gateway
- C. Network access control
- D. IP access control lists

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

A security administrator needs to open ports on the firewall to allow for secure data transfer. Which of the following TCP ports would allow for secure transfer of files by default?

- A. 21
- B. 22
- C. 23
- D. 25

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

Which of the following technologies would allow for a secure tunneled connection from one site to another? (Select TWO).

- A. SFTP
- B. IPSec
- C. SSH
- D. HTTPS
- E. ICMP

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

Which of the following network design elements provides for a one-to-one relationship between an internal network address and an external network address?

- A. NAT
- B. NAC
- C. VLAN
- D. PAT

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

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:

QUESTION 28

In planning for a firewall implementation, Pete, a security administrator, needs a tool to help him understand what traffic patterns are normal on his network. Which of the following tools would help Pete determine traffic patterns?

- A. Syslog
- B. Protocol analyzer
- C. Proxy server
- D. Firewall

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

TKIP uses which of the following encryption ciphers?

- A. RC5
- B. AES
- C. RC4
- D. 3DES

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

Common access cards use which of the following authentication models?

- A. PKI
- B. XTACACS
- C. RADIUS
- D. TACACS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

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:

QUESTION 32

Which of the following does a second authentication requirement mitigate when accessing privileged areas of a website, such as password changes or user profile changes?

- A. Cross-site scripting

- B. Cookie stealing
- C. Packet sniffing
- D. Transitive access

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

Jane, a security technician, has been tasked with preventing contractor staff from logging into the company network after business hours. Which of the following BEST allows her to accomplish this?

- A. Time of day restrictions
- B. Access control list
- C. Personal identity verification
- D. Mandatory vacations

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

Which of the following ports does DNS operate on, by default?

- A. 23
- B. 53
- C. 137
- D. 443

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

Sara from IT Governance wants to provide a mathematical probability of an earthquake using facts and figures. Which of the following concepts would achieve this?

- A. Qualitative Analysis
- B. Impact Analysis
- C. Quantitative Analysis
- D. SLE divided by the ARO

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

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:

QUESTION 37

Which of the following is true concerning WEP security?

- A. WEP keys are transmitted in plain text.
- B. The WEP key initialization process is flawed.
- C. The pre-shared WEP keys can be cracked with rainbow tables.
- D. WEP uses the weak RC4 cipher.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

Which of the following can be implemented on a lost mobile device to help recover it?

- A. Remote sanitization
- B. GPS tracking
- C. Voice encryption
- D. Patch management

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

Sara, a security administrator, needs to implement the equivalent of a DMZ at the datacenter entrance. Which of the following must she implement?

- A. Video surveillance
- B. Mantrap
- C. Access list

D. Alarm

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

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:

QUESTION 41

Sara, a senior programmer for an application at a software development company, has also assumed an auditing role within the same company. She will be assessing the security of the application. Which of the following will she be performing?

- A. Blue box testing
- B. Gray box testing
- C. Black box testing
- D. White box testing

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

Jane, a security analyst, wants to ensure that data is being stored encrypted, in the event that a corporate laptop is stolen. Which of the following encryption types will accomplish her goal?

- A. IPSec
- B. Secure socket layer
- C. Whole disk
- D. Transport layer security

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

Which of the following BEST describes a directory traversal attack?

- A. A malicious user can insert a known pattern of symbols in a URL to access a file in another section of the directory.
- B. A malicious user can change permissions or lock out user access from a webroot directory or subdirectories.
- C. A malicious user can delete a file or directory in the webroot directory or subdirectories.
- D. A malicious user can redirect a user to another website across the Internet.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

In her morning review of new vendor patches, a security administrator has identified an exploit that is marked as critical. Which of the following is the BEST course of action?

- A. The security administrator should wait seven days before testing the patch to ensure that the vendor does not issue an updated version, which would require reapplying the patch.
- B. The security administrator should download the patch and install it to her workstation to test whether it will be able to be applied to all workstations in the environment.
- C. The security administrator should alert the risk management department to document the patch and add it to the next monthly patch deployment cycle.
- D. The security administrator should download the patch to the test network, apply it to affected systems, and evaluate the results on the test systems.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

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:

QUESTION 46

Sara, a security administrator, is configuring a new firewall. She has entered statements into the firewall configuration as follows:

- Allow all Web traffic
- Deny all Telnet traffic
- Allow all SSH traffic

Mike, a user on the network, tries unsuccessfully to use RDP to connect to his work computer at home. Which of the following principles BEST explains why Mike's attempt to connect is not successful?

- A. Explicit deny
- B. Loop protection
- C. Implicit deny
- D. Implicit permit

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

Jane, a security administrator, notices that a program has crashed. Which of the following logs should Jane check?

- A. Access log
- B. Firewall log
- C. Audit log
- D. Application log

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

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:

QUESTION 49

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:

QUESTION 50

Sara, an IT security technician, has identified security weaknesses within her company's code. Which of the following is a common security coding issue?

- A. Input validation
- B. Application fuzzing
- C. Black box testing
- D. Vulnerability scanning

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

Matt, an IT security technician, needs to create a way to recover lost or stolen company devices. Which of the following BEST meets this need?

- A. Locking cabinets
- B. GPS tracking
- C. Safe
- D. Firewalls

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

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:

QUESTION 53

Jane, an IT security technician, receives a call from the vulnerability assessment team informing her that port 1337 is open on a user's workstation. Which of the following BEST describes this type of malware?

- A. Logic bomb
- B. Spyware
- C. Backdoor
- D. Adware

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

Pete, an employee, needs a certificate to encrypt data. Which of the following would issue Pete a certificate?

- A. Certification authority
- B. Key escrow
- C. Certificate revocation list
- D. Registration authority

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

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:

QUESTION 56

Which of the following is used to ensure message integrity during a TLS transmission?

- A. RIPEMD
- B. RSA
- C. AES
- D. HMAC

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57

A company has asked Pete, a penetration tester, to test their corporate network. Pete was provided with all of the server names, configurations, and corporate IP addresses. Pete was then instructed to stay off of the Accounting subnet as well as the company web server in the DMZ. Pete was told that social engineering was not in the test scope as well. Which of the following BEST describes this penetration test?

- A. Gray box
- B. Black box
- C. White box
- D. Blue box

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58

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:

QUESTION 59

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:

QUESTION 60

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:

QUESTION 61

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:

QUESTION 62

Pete has obtained a highly sensitive document and has placed it on a network drive which has been formatted with NTFS and is shared via CIFS. Which of the following access controls apply to the sensitive file on the server?

- A. Discretionary

- B. Rule based
- C. Role based
- D. Mandatory

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 63

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:

QUESTION 64

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:

QUESTION 65

Which of the following uses only a private key?

- A. RSA
- B. ECC
- C. AES
- D. SHA

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 66

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:

QUESTION 67

A database server containing personal information and a file server containing non-critical information must be secured. Which of the following would be a BEST practice to secure the servers? (Select TWO).

- A. Place the file server behind a door requiring biometric authorization.
- B. Place both servers under the system administrator's desk.
- C. Place the database server behind a door with a cipher lock.
- D. Place the file server in an unlocked rack cabinet.
- E. Place the database server behind a door requiring biometric authorization.

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

Exam C

QUESTION 1

A company is experiencing an extraordinary amount of web traffic that is crippling the server. The web traffic suddenly stops. The mail server experiences the same amount of traffic as before then crashes. Which of the following attacks would this BEST describe?

- A. DoS
- B. Spam
- C. Man-in-the-middle
- D. Replay

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

Which of the following would ensure confidentiality and authorization to the management interface of a router?

- A. Enable an access list and RADIUS
- B. Enable SSH and TACACS
- C. Enable an access list and PKI
- D. Enable LDAP and strong passwords

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

A security technician is attempting to explain why some of the company policies should be changed for high risk IT positions. Which of the following concepts BEST explains the support for fraud detection?

- A. Time of day restrictions is more likely to discover fraud than the other fraud detection methods.
- B. Least privilege principles allow internal audit teams to discover fraud while a staff member is out of the office.
- C. Separation of duties is a better fraud detection method than mandatory vacations; therefore, it should be used.
- D. Mandatory vacations support the company discovering fraud while staff members are out of the office.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

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:

QUESTION 5

The information security department regularly walks the campus and around the buildings looking for unauthorized open wireless networks. This is an example of which of the following?

- A. A site survey
- B. Antenna placement
- C. War dialing
- D. War driving

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

Jane, the security engineer, is tasked with hardening routers. She would like to ensure that network access to the corporate router is allowed only to the IT group and from authorized machines. Which of the following would MOST likely be implemented to meet this security goal? (Select TWO).

- A. SNMP
- B. HTTPS
- C. ACL
- D. Disable console
- E. SSH
- F. TACACS+

Correct Answer: CF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

Jane, the CEO, receives an email wanting her to click on a link to change her username and password. Which of the following attacks has she just received?

- A. Hoaxes
- B. Whaling
- C. Bluejacking

D. Vishing

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

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:

QUESTION 9

After a production outage, which of the following documents contains detailed information on the order in which the system should be restored to service?

- A. Succession planning
- B. Disaster recovery plan
- C. Information security plan
- D. Business impact analysis

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

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:

QUESTION 11

Matt must come up with a design solution which will enable remote users to securely access network resources. Which of the following design elements will enable Matt to meet this objective?

- A. DMZ
- B. VLAN
- C. VPN
- D. NAT

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

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:

QUESTION 13

Matt, a security technician, notices a high number of ARP spoofing attacks on his network. Which of the following design elements would mitigate ARP spoofing attacks?

- A. Flood guards
- B. Implicit deny
- C. VLANs
- D. Loop protection

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

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:

QUESTION 15

Which of the following firewall rules would only block tftp traffic and record it?

- A. deny udp any server log
- B. deny udp any server eq 69
- C. deny tcp any server log
- D. deny udp any server eq 69 log

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

Which of the following services should be disabled to stop attackers from using a web server as a mail relay?

- A. IMAP
- B. SMTP
- C. SNMP
- D. POP3

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

Pete, a security analyst, has been tasked with explaining the different types of malware to his colleagues. The two malware types that the group seems to be most interested in are botnets and viruses. Which of the following explains the difference between these two types of malware?

- A. Viruses are a subset of botnets which are used as part of SYN attacks.
- B. Botnets are a subset of malware which are used as part of DDoS attacks.
- C. Viruses are a class of malware which create hidden openings within an OS.
- D. Botnets are used within DR to ensure network uptime and viruses are not.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

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:

QUESTION 19

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:

QUESTION 20

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:

QUESTION 21

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:

QUESTION 22

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:

QUESTION 23

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:

QUESTION 24

Which of the following can allow Sara, a security analyst, to encrypt individual files on a system?

- A. EFS
- B. Single sign-on
- C. TLS
- D. Journaled file system

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

The compliance team comes out with a new policy that all data stored on tapes over 3 years must be degaussed. This BEST describes which of the following types of policies?

- A. Data handling
- B. Data classification
- C. Data labeling
- D. Data disposal

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

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:

QUESTION 27

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:

QUESTION 28

Jane, the security administrator, is having issues with unauthorized users connecting to the wireless network. For administrative reasons, she cannot implement any wireless encryption methods. Which of the following can she implement to prevent unauthorized users from connecting to the network?

- A. NIPS
- B. Disable unused ports
- C. MAC filtering
- D. WEP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

Sara, the IT administrator, wants to control which devices can connect to the wireless network. Which of the following can she implement to accomplish this task?

- A. WPA2 Enterprise with AES encryption
- B. Decrease the WAP's power levels
- C. Static IP addressing
- D. MAC address filtering

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

Pete, the system administrator, is concerned about unauthorized access at all entrances into the building. PIN pad readers have been installed, but users have developed the habit of holding the door for others behind them. Which of the following would BEST prevent this?

- A. Install mantraps at every unmanned entrance.
- B. Replace the PIN pad readers with card readers.
- C. Implement video and audio surveillance equipment.
- D. Require users to sign conduct policies forbidding these actions.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

Jane, a network administrator, has configured a 48-port switch to isolate four different departments. Which of the following has Jane MOST likely configured on the switch?

- A. NAC
- B. 802.1x

- C. VLAN
- D. DMZ

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

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:

QUESTION 33

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:

QUESTION 34

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:

QUESTION 35

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:

QUESTION 36

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:

QUESTION 37

Which of the following BEST describes a SQL Injection attack?

- A. The attacker attempts to have the receiving server pass information to a back-end database from which it can compromise the stored information.
- B. The attacker attempts to have the receiving server run a payload using programming commonly found on web servers.
- C. The attacker overwhelms a system or application, causing it to crash and bring the server down to cause an outage.
- D. The attacker overwhelms a system or application, causing it to crash, and then redirects the memory address to read from a location holding the payload.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

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:

QUESTION 39

In an enterprise environment, which of the following would be the BEST way to prevent users from accessing inappropriate websites when AUP requirements are constantly changing?

- A. Deploy a network proxy server.
- B. Configure Internet content filters on each workstation.
- C. Deploy a NIDS.
- D. Deploy a HIPS.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

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:

QUESTION 41

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:

QUESTION 42

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:

QUESTION 43

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:

QUESTION 44

The lead security engineer has been brought in on a new software development project. The software development team will be deploying a base software version and will make multiple software revisions during the project life cycle. The security engineer on the project is concerned with the ability to roll back software changes that cause bugs and/or security concerns. Which of the following should the security engineer suggest to BEST address this issue?

- A. Develop a change management policy incorporating network change control.
- B. Develop a change management policy incorporating hardware change control.
- C. Develop a change management policy incorporating software change control.
- D. Develop a change management policy incorporating oversight of the project lifecycle.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

A security administrator wants to scan an infected workstation to understand how the infection occurred. Which of the following should the security administrator do FIRST before scanning the workstation?

- A. Make a complete hard drive image
- B. Remove the memory
- C. Defragment the hard drive
- D. Delete all temporary Internet files

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

Which of the following security methods should be used to ensure mobile devices are not removed by unauthorized users when the owner is away from their desk?

- A. Screen lock
- B. Biometrics
- C. Strong passwords
- D. Cable lock

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

Which of the following techniques describes the use of application isolation during execution to prevent system compromise if the application is compromised?

- A. Least privilege
- B. Sandboxing
- C. Black box
- D. Application hardening

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

Which of the following is used to translate a public IP to a private IP?

- A. NAT

- B. CCMP
- C. NAC
- D. VLAN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

Which of the following is being used when a message is buried within the pixels of an image?

- A. Steganography
- B. Block cipher
- C. Encryption
- D. Hashing

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

Remote employees login to the network using a device displaying a digital number which changes every five minutes. This is an example of which of the following?

- A. Block cipher
- B. One-time pad
- C. Stream cipher
- D. Digital signature

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

Jane, the security administrator, sets up a new AP but realizes too many outsiders are able to connect to that AP and gain unauthorized access. Which of the following would be the BEST way to mitigate this issue and still provide coverage where needed? (Select TWO).

- A. Disable the wired ports
- B. Use channels 1, 4 and 7 only
- C. Enable MAC filtering
- D. Disable SSID broadcast
- E. Switch from 802.11a to 802.11b

Correct Answer: CD

Section: (none)

Explanation**Explanation/Reference:****QUESTION 52**

Sara, a security administrator, has recently implemented a policy to ban certain attachments from being sent through the corporate email server. This is an example of trying to mitigate which of the following?

- A. SQL injection
- B. LDAP injection
- C. Cross-site scripting
- D. Malicious add-ons

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 53**

Which of the following would Jane, a security administrator, take advantage of to bypass security controls and gain unauthorized remote access into an organization?

- A. Vulnerability scan
- B. Dumpster diving
- C. Virtualization
- D. Penetration test

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 54**

A database server has been compromised via an unpatched vulnerability. An investigation reveals that an application crashed at the time of the compromise. Unauthorized code appeared to be running, although there were no traces of the code found on the file system. Which of the following attack types has MOST likely occurred?

- A. Zero day exploit
- B. SQL injection
- C. LDAP injection
- D. Buffer overflow

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 55**

Which process will determine maximum tolerable downtime?

- A. Business Continuity Planning
- B. Contingency Planning
- C. Business Impact Analysis
- D. Disaster Recovery Plan

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



<http://www.gratisexam.com/>