ISC2

Exam Questions CISSP

Certified Information Systems Security Professional (CISSP)

NEW QUESTION 1
- (Exam Topic 1)
An important principle of defense in depth is that achieving information security requires a balanced focus on which PRIMARY elements?

A. Development, testing, and deployment
B. Prevention, detection, and remediation
C. People, technology, and operations
D. Certification, accreditation, and monitoring

Answer: C

NEW QUESTION 2
- (Exam Topic 1)
A company whose Information Technology (IT) services are being delivered from a Tier 4 data center, is preparing a companywide Business Continuity Planning (BCP). Which of the following failures should the IT manager be concerned with?

A. Application
B. Storage
C. Power
D. Network

Answer: C

NEW QUESTION 3
- (Exam Topic 1)
Which of the following represents the GREATEST risk to data confidentiality?

A. Network redundancies are not implemented
B. Security awareness training is not completed
C. Backup tapes are generated unencrypted
D. Users have administrative privileges

Answer: C

NEW QUESTION 4
- (Exam Topic 1)
What is the MOST important consideration from a data security perspective when an organization plans to relocate?

A. Ensure the fire prevention and detection systems are sufficient to protect personnel
B. Review the architectural plans to determine how many emergency exits are present
C. Conduct a gap analysis of a new facilities against existing security requirements
D. Revise the Disaster Recovery and Business Continuity (DR/BC) plan

Answer: C

NEW QUESTION 5
- (Exam Topic 2)
Which one of the following affects the classification of data?

A. Assigned security label
B. Multilevel Security (MLS) architecture
C. Minimum query size
D. Passage of time

Answer: D

NEW QUESTION 6
- (Exam Topic 2)
Which of the following is an effective control in preventing electronic cloning of Radio Frequency Identification (RFID) based access cards?

A. Personal Identity Verification (PIV)
B. Cardholder Unique Identifier (CHUID) authentication
C. Physical Access Control System (PACS) repeated attempt detection
D. Asymmetric Card Authentication Key (CAK) challenge-response

Answer: C

NEW QUESTION 7
- (Exam Topic 2)
Which of the following is MOST important when assigning ownership of an asset to a department?

A. The department should report to the business owner
B. Ownership of the asset should be periodically reviewed
C. Individual accountability should be ensured
D. All members should be trained on their responsibilities

Answer: B

NEW QUESTION 8
- (Exam Topic 2)
An organization has doubled in size due to a rapid market share increase. The size of the Information Technology (IT) staff has maintained pace with this growth. The organization hires several contractors whose onsite time is limited. The IT department has pushed its limits building servers and rolling out workstations and has a backlog of account management requests.
Which contract is BEST in offloading the task from the IT staff?

A. Platform as a Service (PaaS)
B. Identity as a Service (IDaaS)
C. Desktop as a Service (DaaS)
D. Software as a Service (SaaS)

Answer: B

NEW QUESTION 9
- (Exam Topic 2)
Which of the following BEST describes the responsibilities of a data owner?

A. Ensuring quality and validation through periodic audits for ongoing data integrity
B. Maintaining fundamental data availability, including data storage and archiving
C. Ensuring accessibility to appropriate users, maintaining appropriate levels of data security
D. Determining the impact the information has on the mission of the organization

Answer: C

NEW QUESTION 10
- (Exam Topic 3)
Which of the following mobile code security models relies only on trust?

A. Code signing
B. Class authentication
C. Sandboxing
D. Type safety

Answer: A

NEW QUESTION 10
- (Exam Topic 3)
The use of private and public encryption keys is fundamental in the implementation of which of the following?

A. Diffie-Hellman algorithm
B. Secure Sockets Layer (SSL)
C. Advanced Encryption Standard (AES)
D. Message Digest 5 (MD5)

Answer: A

NEW QUESTION 13
- (Exam Topic 3)
Who in the organization is accountable for classification of data information assets?

A. Data owner
B. Data architect
C. Chief Information Security Officer (CISO)
D. Chief Information Officer (CIO)

Answer: A

NEW QUESTION 16
- (Exam Topic 4)
Which of the following operates at the Network Layer of the Open System Interconnection (OSI) model?

A. Packet filtering
B. Port services filtering
C. Content filtering
D. Application access control

Answer: A

NEW QUESTION 21
- (Exam Topic 4)
Which of the following is used by the Point-to-Point Protocol (PPP) to determine packet formats?

A. Layer 2 Tunneling Protocol (L2TP)
B. Link Control Protocol (LCP)
C. Challenge Handshake Authentication Protocol (CHAP)
D. Packet Transfer Protocol (PTP)

Answer: B

NEW QUESTION 24
- (Exam Topic 4)
What is the purpose of an Internet Protocol (IP) spoofing attack?

A. To send excessive amounts of data to a process, making it unpredictable
B. To intercept network traffic without authorization
C. To disguise the destination address from a target's IP filtering devices
D. To convince a system that it is communicating with a known entity

Answer: D

NEW QUESTION 28
- (Exam Topic 4)
Which of the following is the BEST network defense against unknown types of attacks or stealth attacks in progress?

A. Intrusion Prevention Systems (IPS)
B. Intrusion Detection Systems (IDS)
C. Stateful firewalls
D. Network Behavior Analysis (NBA) tools

Answer: D

NEW QUESTION 29
- (Exam Topic 4)
At what level of the Open System Interconnection (OSI) model is data at rest on a Storage Area Network (SAN) located?

A. Link layer
B. Physical layer
C. Session layer
D. Application layer

Answer: D

NEW QUESTION 33
- (Exam Topic 4)
Which of the following factors contributes to the weakness of Wired Equivalent Privacy (WEP) protocol?

A. WEP uses a small range Initialization Vector (IV)
B. WEP uses Message Digest 5 (MD5)
C. WEP uses Diffie-Hellman
D. WEP does not use any Initialization Vector (IV)

Answer: A

NEW QUESTION 38
- (Exam Topic 5)
Users require access rights that allow them to view the average salary of groups of employees. Which control would prevent the users from obtaining an individual employee's salary?

A. Limit access to predefined queries
B. Segregate the database into a small number of partitions each with a separate security level
C. Implement Role Based Access Control (RBAC)
D. Reduce the number of people who have access to the system for statistical purposes

Answer: C

NEW QUESTION 41
- (Exam Topic 6)
A Virtual Machine (VM) environment has five guest Operating Systems (OS) and provides strong isolation. What MUST an administrator review to audit a user's access to data files?

A. Host VM monitor audit logs
B. Guest OS access controls
C. Host VM access controls
D. Guest OS audit logs

Answer: A

NEW QUESTION 45

- (Exam Topic 7)
Recovery strategies of a Disaster Recovery planning (DRIP) MUST be aligned with which of the following?

A. Hardware and software compatibility issues
B. Applications' critically and downtime tolerance
C. Budget constraints and requirements
D. Cost/benefit analysis and business objectives

Answer: D

NEW QUESTION 46
- (Exam Topic 7)
A Business Continuity Plan/Disaster Recovery Plan (BCP/DRP) will provide which of the following?

A. Guaranteed recovery of all business functions
B. Minimization of the need decision making during a crisis
C. Insurance against litigation following a disaster
D. Protection from loss of organization resources

Answer: D

NEW QUESTION 47
- (Exam Topic 7)
What would be the MOST cost effective solution for a Disaster Recovery (DR) site given that the organization's systems cannot be unavailable for more than 24 hours?

A. Warm site
B. Hot site
C. Mirror site
D. Cold site

Answer: A

NEW QUESTION 48
- (Exam Topic 7)
Which of the following is a PRIMARY advantage of using a third-party identity service?

A. Consolidation of multiple providers
B. Directory synchronization
C. Web based logon
D. Automated account management

Answer: D

NEW QUESTION 50
- (Exam Topic 7)
An organization is found lacking the ability to properly establish performance indicators for its Web hosting solution during an audit. What would be the MOST probable cause?

A. Absence of a Business Intelligence (BI) solution
B. Inadequate cost modeling
C. Improper deployment of the Service-Oriented Architecture (SOA)
D. Insufficient Service Level Agreement (SLA)

Answer: D

NEW QUESTION 52
- (Exam Topic 7)
With what frequency should monitoring of a control occur when implementing Information Security Continuous Monitoring (ISCM) solutions?

A. Continuously without exception for all security controls
B. Before and after each change of the control
C. At a rate concurrent with the volatility of the security control
D. Only during system implementation and decommissioning

Answer: B

NEW QUESTION 54
- (Exam Topic 7)
Which of the following types of business continuity tests includes assessment of resilience to internal and external risks without endangering live operations?

A. Walkthrough
B. Simulation
C. Parallel
D. White box

Answer: B

NEW QUESTION 57
- (Exam Topic 7)
When is a Business Continuity Plan (BCP) considered to be valid?

A. When it has been validated by the Business Continuity (BC) manager
B. When it has been validated by the board of directors
C. When it has been validated by all threat scenarios
D. When it has been validated by realistic exercises

Answer: D

NEW QUESTION 58
- (Exam Topic 7)
What should be the FIRST action to protect the chain of evidence when a desktop computer is involved?

A. Take the computer to a forensic lab
B. Make a copy of the hard drive
C. Start documenting
D. Turn off the computer

Answer: C

NEW QUESTION 59
- (Exam Topic 7)
Which of the following is the FIRST step in the incident response process?

A. Determine the cause of the incident
B. Disconnect the system involved from the network
C. Isolate and contain the system involved
D. Investigate all symptoms to confirm the incident

Answer: D

NEW QUESTION 64
- (Exam Topic 8)
When in the Software Development Life Cycle (SDLC) MUST software security functional requirements be defined?

A. After the system preliminary design has been developed and the data security categorization has been performed
B. After the vulnerability analysis has been performed and before the system detailed design begins
C. After the system preliminary design has been developed and before the data security categorization begins
D. After the business functional analysis and the data security categorization have been performed

Answer: C

NEW QUESTION 68
- (Exam Topic 8)
What is the BEST approach to addressing security issues in legacy web applications?

A. Debug the security issues
B. Migrate to newer, supported applications where possible
C. Conduct a security assessment
D. Protect the legacy application with a web application firewall

Answer: D

NEW QUESTION 70
- (Exam Topic 8)
A Java program is being developed to read a file from computer A and write it to computer B, using a third computer C. The program is not working as expected. What is the MOST probable security feature of Java preventing the program from operating as intended?

A. Least privilege
B. Privilege escalation
C. Defense in depth
D. Privilege bracketing

Answer: A

NEW QUESTION 71
- (Exam Topic 8)
Which of the following is the PRIMARY risk with using open source software in a commercial software construction?

A. Lack of software documentation
B. License agreements requiring release of modified code
C. Expiration of the license agreement
D. Costs associated with support of the software

Answer: D

NEW QUESTION 72
- (Exam Topic 8)
The configuration management and control task of the certification and accreditation process is incorporated in which phase of the System Development Life Cycle (SDLC)?

A. System acquisition and development
B. System operations and maintenance
C. System initiation
D. System implementation

Answer: A

Explanation:
Reference https://online.concordiA.edu/computer-science/system-development-life-cycle-phases/

NEW QUESTION 73
- (Exam Topic 9)
Which of the following is a method used to prevent Structured Query Language (SQL) injection attacks?

A. Data compression
B. Data classification
C. Data warehousing
D. Data validation

Answer: D

NEW QUESTION 75
- (Exam Topic 9)
The three PRIMARY requirements for a penetration test are

A. A defined goal, limited time period, and approval of management
B. A general objective, unlimited time, and approval of the network administrator
C. An objective statement, disclosed methodology, and fixed cost
D. A stated objective, liability waiver, and disclosed methodology

Answer: A

NEW QUESTION 76
- (Exam Topic 9)
Which of the following is ensured when hashing files during chain of custody handling?

A. Availability
B. Accountability
C. Integrity
D. Non-repudiation

Answer: C

NEW QUESTION 79
- (Exam Topic 9)
Logical access control programs are MOST effective when they are

A. approved by external auditors.
B. combined with security token technology.
C. maintained by computer security officers.
D. made part of the operating system.

Answer: D

NEW QUESTION 80
- (Exam Topic 9)
Which of the following is a limitation of the Common Vulnerability Scoring System (CVSS) as it relates to conducting code review?

A. It has normalized severity ratings.
B. It has many worksheets and practices to implement.
C. It aims to calculate the risk of published vulnerabilities.
D. It requires a robust risk management framework to be put in place.

Answer: C

NEW QUESTION 84
- (Exam Topic 9)
To prevent inadvertent disclosure of restricted information, which of the following would be the LEAST effective process for eliminating data prior to the media

being discarded?

A. Multiple-pass overwriting
B. Degaussing
C. High-level formatting
D. Physical destruction

Answer: C

NEW QUESTION 88
- (Exam Topic 9)
An organization allows ping traffic into and out of their network. An attacker has installed a program on the network that uses the payload portion of the ping packet to move data into and out of the network. What type of attack has the organization experienced?

A. Data leakage
B. Unfiltered channel
C. Data emanation
D. Covert channel

Answer: D

NEW QUESTION 89
- (Exam Topic 9)
Contingency plan exercises are intended to do which of the following?

A. Train personnel in roles and responsibilities
B. Validate service level agreements
C. Train maintenance personnel
D. Validate operation metrics

Answer: A

NEW QUESTION 90
- (Exam Topic 9)
Copyright provides protection for which of the following?

A. Ideas expressed in literary works
B. A particular expression of an idea
C. New and non-obvious inventions
D. Discoveries of natural phenomena

Answer: B

NEW QUESTION 94
- (Exam Topic 9)
What technique BEST describes antivirus software that detects viruses by watching anomalous behavior?

A. Signature
B. Inference
C. Induction
D. Heuristic

Answer: D

NEW QUESTION 96
- (Exam Topic 9)
Which layer of the Open Systems Interconnections (OSI) model implementation adds information concerning the logical connection between the sender and receiver?

A. Physical
B. Session
C. Transport
D. Data-Link

Answer: C

NEW QUESTION 100
- (Exam Topic 9)
Checking routing information on e-mail to determine it is in a valid format and contains valid information is an example of which of the following anti-spam approaches?

A. Simple Mail Transfer Protocol (SMTP) blacklist
B. Reverse Domain Name System (DNS) lookup
C. Hashing algorithm
D. Header analysis

Answer: D

NEW QUESTION 105
- (Exam Topic 9)
The overall goal of a penetration test is to determine a system's

A. ability to withstand an attack.
B. capacity management.
C. error recovery capabilities.
D. reliability under stress.

Answer: A

NEW QUESTION 108
- (Exam Topic 9)
Which security action should be taken FIRST when computer personnel are terminated from their jobs?

A. Remove their computer access
B. Require them to turn in their badge
C. Conduct an exit interview
D. Reduce their physical access level to the facility

Answer: A

NEW QUESTION 110
- (Exam Topic 9)
The type of authorized interactions a subject can have with an object is

A. control.
B. permission.
C. procedure.
D. protocol.

Answer: B

NEW QUESTION 113
- (Exam Topic 9)
The Structured Query Language (SQL) implements Discretionary Access Controls (DAC) using

A. INSERT and DELETE.
B. GRANT and REVOKE.
C. PUBLIC and PRIVATE.
D. ROLLBACK and TERMINATE.

Answer: B

NEW QUESTION 116
- (Exam Topic 9)
The stringency of an Information Technology (IT) security assessment will be determined by the

A. system's past security record.
B. size of the system's database.
C. sensitivity of the system's datA.
D. age of the system.

Answer: C

NEW QUESTION 118
- (Exam Topic 9)
Which of the following is considered best practice for preventing e-mail spoofing?

A. Spam filtering
B. Cryptographic signature
C. Uniform Resource Locator (URL) filtering
D. Reverse Domain Name Service (DNS) lookup

Answer: B

NEW QUESTION 120
- (Exam Topic 9)
Including a Trusted Platform Module (TPM) in the design of a computer system is an example of a technique to what?

A. Interface with the Public Key Infrastructure (PKI)
B. Improve the quality of security software
C. Prevent Denial of Service (DoS) attacks
D. Establish a secure initial state

Answer:

D

NEW QUESTION 123
- (Exam Topic 9)
Which one of these risk factors would be the LEAST important consideration in choosing a building site for a new computer facility?

A. Vulnerability to crime
B. Adjacent buildings and businesses
C. Proximity to an airline flight path
D. Vulnerability to natural disasters

Answer: C

NEW QUESTION 125
- (Exam Topic 9)
Multi-threaded applications are more at risk than single-threaded applications to

A. race conditions.
B. virus infection.
C. packet sniffing.
D. database injection.

Answer: A

NEW QUESTION 127
- (Exam Topic 9)
The process of mutual authentication involves a computer system authenticating a user and authenticating the

A. user to the audit process.
B. computer system to the user.
C. user's access to all authorized objects.
D. computer system to the audit process.

Answer: B

NEW QUESTION 130
- (Exam Topic 9)
A security professional has just completed their organization's Business Impact Analysis (BIA). Following Business Continuity Plan/Disaster Recovery Plan (BCP/DRP) best practices, what would be the professional's NEXT step?

A. Identify and select recovery strategies.
B. Present the findings to management for funding.
C. Select members for the organization's recovery teams.
D. Prepare a plan to test the organization's ability to recover its operations.

Answer: A

NEW QUESTION 135
- (Exam Topic 9)
As one component of a physical security system, an Electronic Access Control (EAC) token is BEST known for its ability to

A. overcome the problems of key assignments.
B. monitor the opening of windows and doors.
C. trigger alarms when intruders are detected.
D. lock down a facility during an emergency.

Answer: A

NEW QUESTION 139
- (Exam Topic 9)
Which of the following is a strategy of grouping requirements in developing a Security Test and Evaluation (ST&E)?

A. Standards, policies, and procedures
B. Tactical, strategic, and financial
C. Management, operational, and technical
D. Documentation, observation, and manual

Answer: C

NEW QUESTION 141
- (Exam Topic 9)
Which of the following does the Encapsulating Security Payload (ESP) provide?

A. Authorization and integrity
B. Availability and integrity
C. Integrity and confidentiality

D. Authorization and confidentiality

Answer: C

NEW QUESTION 143
- (Exam Topic 9)
The use of strong authentication, the encryption of Personally Identifiable Information (PII) on database servers, application security reviews, and the encryption of data transmitted across networks provide

A. data integrity.
B. defense in depth.
C. data availability.
D. non-repudiation.

Answer: B

NEW QUESTION 146
- (Exam Topic 9)
Which of the following is the BEST way to verify the integrity of a software patch?

A. Cryptographic checksums
B. Version numbering
C. Automatic updates
D. Vendor assurance

Answer: A

NEW QUESTION 147
- (Exam Topic 9)
The BEST way to check for good security programming practices, as well as auditing for possible backdoors, is to conduct

A. log auditing.
B. code reviews.
C. impact assessments.
D. static analysis.

Answer: B

NEW QUESTION 151
- (Exam Topic 9)
Which of the following is a security limitation of File Transfer Protocol (FTP)?

A. Passive FTP is not compatible with web browsers.
B. Anonymous access is allowed.
C. FTP uses Transmission Control Protocol (TCP) ports 20 and 21.
D. Authentication is not encrypted.

Answer: D

NEW QUESTION 156
- (Exam Topic 9)
A security consultant has been asked to research an organization's legal obligations to protect privacy-related information. What kind of reading material is MOST relevant to this project?

A. The organization's current security policies concerning privacy issues
B. Privacy-related regulations enforced by governing bodies applicable to the organization
C. Privacy best practices published by recognized security standards organizations
D. Organizational procedures designed to protect privacy information

Answer: B

NEW QUESTION 157
- (Exam Topic 9)
The Hardware Abstraction Layer (HAL) is implemented in the

A. system software.
B. system hardware.
C. application software.
D. network hardware.

Answer: A

NEW QUESTION 159
- (Exam Topic 9)
Which of the following is the FIRST step of a penetration test plan?

A. Analyzing a network diagram of the target network
B. Notifying the company's customers
C. Obtaining the approval of the company's management
D. Scheduling the penetration test during a period of least impact

Answer: C

NEW QUESTION 163
- (Exam Topic 9)
Which type of control recognizes that a transaction amount is excessive in accordance with corporate policy?

A. Detection
B. Prevention
C. Investigation
D. Correction

Answer: A

NEW QUESTION 164
- (Exam Topic 9)
When transmitting information over public networks, the decision to encrypt it should be based on

A. the estimated monetary value of the information.
B. whether there are transient nodes relaying the transmission.
C. the level of confidentiality of the information.
D. the volume of the information.

Answer: C

NEW QUESTION 165
- (Exam Topic 9)
Which of the following elements MUST a compliant EU-US Safe Harbor Privacy Policy contain?

A. An Explanation: of how long the data subject's collected information will be retained for and how it will be eventually disposed.
B. An Explanation: of who can be contacted at the organization collecting the information if corrections are required by the data subject.
C. An Explanation: of the regulatory frameworks and compliance standards the information collecting organization adheres to.
D. An Explanation: of all the technologies employed by the collecting organization in gathering information on the data subject.

Answer: B

NEW QUESTION 168
- (Exam Topic 9)
Which of the following would be the FIRST step to take when implementing a patch management program?

A. Perform automatic deployment of patches.
B. Monitor for vulnerabilities and threats.
C. Prioritize vulnerability remediation.
D. Create a system inventory.

Answer: D

NEW QUESTION 171
- (Exam Topic 9)
In a basic SYN flood attack, what is the attacker attempting to achieve?

A. Exceed the threshold limit of the connection queue for a given service
B. Set the threshold to zero for a given service
C. Cause the buffer to overflow, allowing root access
D. Flush the register stack, allowing hijacking of the root account

Answer: A

NEW QUESTION 172
- (Exam Topic 9)
Which of the following is an appropriate source for test data?

A. Production data that is secured and maintained only in the production environment.
B. Test data that has no similarities to production datA.
C. Test data that is mirrored and kept up-to-date with production datA.
D. Production data that has been sanitized before loading into a test environment.

Answer: D

NEW QUESTION 177
- (Exam Topic 9)

When implementing controls in a heterogeneous end-point network for an organization, it is critical that

A. hosts are able to establish network communications.
B. users can make modifications to their security software configurations.
C. common software security components be implemented across all hosts.
D. firewalls running on each host are fully customizable by the user.

Answer: C

NEW QUESTION 181
- (Exam Topic 9)
Which of the following defines the key exchange for Internet Protocol Security (IPSec)?

A. Secure Sockets Layer (SSL) key exchange
B. Internet Key Exchange (IKE)
C. Security Key Exchange (SKE)
D. Internet Control Message Protocol (ICMP)

Answer: B

NEW QUESTION 184
- (Exam Topic 9)
Why MUST a Kerberos server be well protected from unauthorized access?

A. It contains the keys of all clients.
B. It always operates at root privilege.
C. It contains all the tickets for services.
D. It contains the Internet Protocol (IP) address of all network entities.

Answer: A

NEW QUESTION 189
- (Exam Topic 9)
What maintenance activity is responsible for defining, implementing, and testing updates to application systems?

A. Program change control
B. Regression testing
C. Export exception control
D. User acceptance testing

Answer: A

NEW QUESTION 190
- (Exam Topic 9)
A software scanner identifies a region within a binary image having high entropy. What does this MOST likely indicate?

A. Encryption routines
B. Random number generator
C. Obfuscated code
D. Botnet command and control

Answer: C

NEW QUESTION 195
- (Exam Topic 9)
Which of the following actions should be performed when implementing a change to a database schema in a production system?

A. Test in development, determine dates, notify users, and implement in production
B. Apply change to production, run in parallel, finalize change in production, and develop a back-out strategy
C. Perform user acceptance testing in production, have users sign off, and finalize change
D. Change in development, perform user acceptance testing, develop a back-out strategy, and implement change

Answer: D

NEW QUESTION 200
- (Exam Topic 9)
Who must approve modifications to an organization's production infrastructure configuration?

A. Technical management
B. Change control board
C. System operations
D. System users

Answer: B

NEW QUESTION 205

- (Exam Topic 9)
An Intrusion Detection System (IDS) is generating alarms that a user account has over 100 failed login attempts per minute. A sniffer is placed on the network, and a variety of passwords for that user are noted. Which of the following is MOST likely occurring?

A. A dictionary attack
B. A Denial of Service (DoS) attack
C. A spoofing attack
D. A backdoor installation

Answer: A

NEW QUESTION 209
- (Exam Topic 9)
When constructing an Information Protection Policy (IPP), it is important that the stated rules are necessary, adequate, and

A. flexible.
B. confidential.
C. focused.
D. achievable.

Answer: D

NEW QUESTION 214
- (Exam Topic 9)
Which of the following is the BEST mitigation from phishing attacks?

A. Network activity monitoring
B. Security awareness training
C. Corporate policy and procedures
D. Strong file and directory permissions

Answer: B

NEW QUESTION 215
- (Exam Topic 9)
A system has been scanned for vulnerabilities and has been found to contain a number of communication ports that have been opened without authority. To which of the following might this system have been subjected?

A. Trojan horse
B. Denial of Service (DoS)
C. Spoofing
D. Man-in-the-Middle (MITM)

Answer: A

NEW QUESTION 219
- (Exam Topic 9)
The goal of software assurance in application development is to

A. enable the development of High Availability (HA) systems.
B. facilitate the creation of Trusted Computing Base (TCB) systems.
C. prevent the creation of vulnerable applications.
D. encourage the development of open source applications.

Answer: C

NEW QUESTION 222
- (Exam Topic 9)
Which of the following BEST represents the principle of open design?

A. Disassembly, analysis, or reverse engineering will reveal the security functionality of the computer system.
B. Algorithms must be protected to ensure the security and interoperability of the designed system.
C. A knowledgeable user should have limited privileges on the system to prevent their ability to compromise security capabilities.
D. The security of a mechanism should not depend on the secrecy of its design or implementation.

Answer: D

NEW QUESTION 226
- (Exam Topic 9)
Why must all users be positively identified prior to using multi-user computers?

A. To provide access to system privileges
B. To provide access to the operating system
C. To ensure that unauthorized persons cannot access the computers
D. To ensure that management knows what users are currently logged on

Answer: C

NEW QUESTION 229
- (Exam Topic 9)
Which of the following statements is TRUE of black box testing?

A. Only the functional specifications are known to the test planner.
B. Only the source code and the design documents are known to the test planner.
C. Only the source code and functional specifications are known to the test planner.
D. Only the design documents and the functional specifications are known to the test planner.

Answer: A

NEW QUESTION 231
- (Exam Topic 10)
Which of the following violates identity and access management best practices?

A. User accounts
B. System accounts
C. Generic accounts
D. Privileged accounts

Answer: C

NEW QUESTION 234
- (Exam Topic 10)
Which of the following describes the concept of a Single Sign-On (SSO) system?

A. Users are authenticated to one system at a time.
B. Users are identified to multiple systems with several credentials.
C. Users are authenticated to multiple systems with one login.
D. Only one user is using the system at a time.

Answer: C

NEW QUESTION 236
- (Exam Topic 10)
Which of the following is an example of two-factor authentication?

A. Retina scan and a palm print
B. Fingerprint and a smart card
C. Magnetic stripe card and an ID badge
D. Password and Completely Automated Public Turing test to tell Computers and Humans Apart(CAPTCHA)

Answer: B

NEW QUESTION 239
- (Exam Topic 10)
Refer to the information below to answer the question.
In a Multilevel Security (MLS) system, the following sensitivity labels are used in increasing levels of sensitivity: restricted, confidential, secret, top secret. Table A lists the clearance levels for four users, while Table B lists the security classes of four different files.

Table A

User	Clearance Level
A	Restricted
B	Confidential
C	Secret
D	Top Secret

Table B

Files	Security Class
1	Restricted
2	Confidential
3	Secret
4	Top Secret

Which of the following is true according to the star property (*property)?

A. User D can write to File 1
B. User B can write to File 1
C. User A can write to File 1
D. User C can write to File 1

Answer: C

NEW QUESTION 240
- (Exam Topic 10)
According to best practice, which of the following groups is the MOST effective in performing an information security compliance audit?

A. In-house security administrators
B. In-house Network Team
C. Disaster Recovery (DR) Team
D. External consultants

Answer: D

NEW QUESTION 243
- (Exam Topic 10)
What physical characteristic does a retinal scan biometric device measure?

A. The amount of light reflected by the retina
B. The size, curvature, and shape of the retina
C. The pattern of blood vessels at the back of the eye
D. The pattern of light receptors at the back of the eye

Answer: C

NEW QUESTION 248
- (Exam Topic 10)
If an attacker in a SYN flood attack uses someone else's valid host address as the source address, the system under attack will send a large number of Synchronize/Acknowledge (SYN/ACK) packets to the

A. default gateway.
B. attacker's address.
C. local interface being attacked.
D. specified source address.

Answer: D

NEW QUESTION 249
- (Exam Topic 10)
An online retail company has formulated a record retention schedule for customer transactions. Which of the following is a valid reason a customer transaction is kept beyond the retention schedule?

A. Pending legal hold
B. Long term data mining needs
C. Customer makes request to retain
D. Useful for future business initiatives

Answer: A

NEW QUESTION 250
- (Exam Topic 10)
What does secure authentication with logging provide?

A. Data integrity
B. Access accountability
C. Encryption logging format
D. Segregation of duties

Answer: B

NEW QUESTION 251
- (Exam Topic 10)
Refer to the information below to answer the question.
A security practitioner detects client-based attacks on the organization's network. A plan will be necessary to address these concerns.
What MUST the plan include in order to reduce client-side exploitation?

A. Approved web browsers
B. Network firewall procedures
C. Proxy configuration
D. Employee education

Answer: D

NEW QUESTION 256
- (Exam Topic 10)
What is the MOST effective method for gaining unauthorized access to a file protected with a long complex password?

A. Brute force attack
B. Frequency analysis
C. Social engineering
D. Dictionary attack

Answer: C

NEW QUESTION 257
- (Exam Topic 10)
Multi-Factor Authentication (MFA) is necessary in many systems given common types of password attacks. Which of the following is a correct list of password

attacks?

A. Masquerading, salami, malware, polymorphism
B. Brute force, dictionary, phishing, keylogger
C. Zeus, netbus, rabbit, turtle
D. Token, biometrics, IDS, DLP

Answer: B

NEW QUESTION 261
- (Exam Topic 10)
Which of the following are required components for implementing software configuration management systems?

A. Audit control and signoff
B. User training and acceptance
C. Rollback and recovery processes
D. Regression testing and evaluation

Answer: C

NEW QUESTION 262
- (Exam Topic 10)
Which of the following is required to determine classification and ownership?

A. System and data resources are properly identified
B. Access violations are logged and audited
C. Data file references are identified and linked
D. System security controls are fully integrated

Answer: A

NEW QUESTION 264
- (Exam Topic 10)
Which of the following BEST mitigates a replay attack against a system using identity federation and Security Assertion Markup Language (SAML) implementation?

A. Two-factor authentication
B. Digital certificates and hardware tokens
C. Timed sessions and Secure Socket Layer (SSL)
D. Passwords with alpha-numeric and special characters

Answer: C

NEW QUESTION 265
- (Exam Topic 10)
What component of a web application that stores the session state in a cookie can be bypassed by an attacker?

A. An initialization check
B. An identification check
C. An authentication check
D. An authorization check

Answer: C

NEW QUESTION 270
- (Exam Topic 10)
Which of the following methods provides the MOST protection for user credentials?

A. Forms-based authentication
B. Digest authentication
C. Basic authentication
D. Self-registration

Answer: B

NEW QUESTION 274
- (Exam Topic 10)
Which of the following is a MAJOR consideration in implementing a Voice over IP (VoIP) network?

A. Use of a unified messaging.
B. Use of separation for the voice network.
C. Use of Network Access Control (NAC) on switches.
D. Use of Request for Comments (RFC) 1918 addressing.

Answer: B

NEW QUESTION 278
- (Exam Topic 10)
Which of the following is the BEST solution to provide redundancy for telecommunications links?

A. Provide multiple links from the same telecommunications vendor.
B. Ensure that the telecommunications links connect to the network in one location.
C. Ensure that the telecommunications links connect to the network in multiple locations.
D. Provide multiple links from multiple telecommunications vendors.

Answer: D

NEW QUESTION 280
- (Exam Topic 10)
Which of the following is the MOST effective attack against cryptographic hardware modules?

A. Plaintext
B. Brute force
C. Power analysis
D. Man-in-the-middle (MITM)

Answer: C

NEW QUESTION 285
- (Exam Topic 10)
Refer to the information below to answer the question.
A security practitioner detects client-based attacks on the organization's network. A plan will be necessary to address these concerns.
In the plan, what is the BEST approach to mitigate future internal client-based attacks?

A. Block all client side web exploits at the perimeter.
B. Remove all non-essential client-side web services from the network.
C. Screen for harmful exploits of client-side services before implementation.
D. Harden the client image before deployment.

Answer: D

NEW QUESTION 287
- (Exam Topic 10)
Refer to the information below to answer the question.
In a Multilevel Security (MLS) system, the following sensitivity labels are used in increasing levels of sensitivity: restricted, confidential, secret, top secret. Table A lists the clearance levels for four users, while Table B lists the security classes of four different files.

Table A

User	Clearance Level
A	Restricted
B	Confidential
C	Secret
D	Top Secret

Table B

Files	Security Class
1	Restricted
2	Confidential
3	Secret
4	Top Secret

In a Bell-LaPadula system, which user cannot write to File 3?

A. User A
B. User B
C. User C
D. User D

Answer: D

NEW QUESTION 288
- (Exam Topic 10)
With data labeling, which of the following MUST be the key decision maker?

A. Information security
B. Departmental management
C. Data custodian
D. Data owner

Answer: D

NEW QUESTION 293
- (Exam Topic 10)
A large bank deploys hardware tokens to all customers that use their online banking system. The token generates and displays a six digit numeric password every 60 seconds. The customers must log into their bank accounts using this numeric password. This is an example of

A. asynchronous token.
B. Single Sign-On (SSO) token.
C. single factor authentication token.

D. synchronous token.

Answer: D

NEW QUESTION 296
- (Exam Topic 10)
What is the BEST method to detect the most common improper initialization problems in programming languages?

A. Use and specify a strong character encoding.
B. Use automated static analysis tools that target this type of weakness.
C. Perform input validation on any numeric inputs by assuring that they are within the expected range.
D. Use data flow analysis to minimize the number of false positives.

Answer: B

NEW QUESTION 298
- (Exam Topic 10)
Which of the following problems is not addressed by using OAuth (Open Standard to Authorization) 2.0 to integrate a third-party identity provider for a service?

A. Resource Servers are required to use passwords to authenticate end users.
B. Revocation of access of some users of the third party instead of all the users from the third party.
C. Compromise of the third party means compromise of all the users in the service.
D. Guest users need to authenticate with the third party identity provider.

Answer: C

NEW QUESTION 301
- (Exam Topic 10)
Refer to the information below to answer the question.
An organization has hired an information security officer to lead their security department. The officer has adequate people resources but is lacking the other necessary components to have an effective security program. There are numerous initiatives requiring security involvement.
Given the number of priorities, which of the following will MOST likely influence the selection of top initiatives?

A. Severity of risk
B. Complexity of strategy
C. Frequency of incidents
D. Ongoing awareness

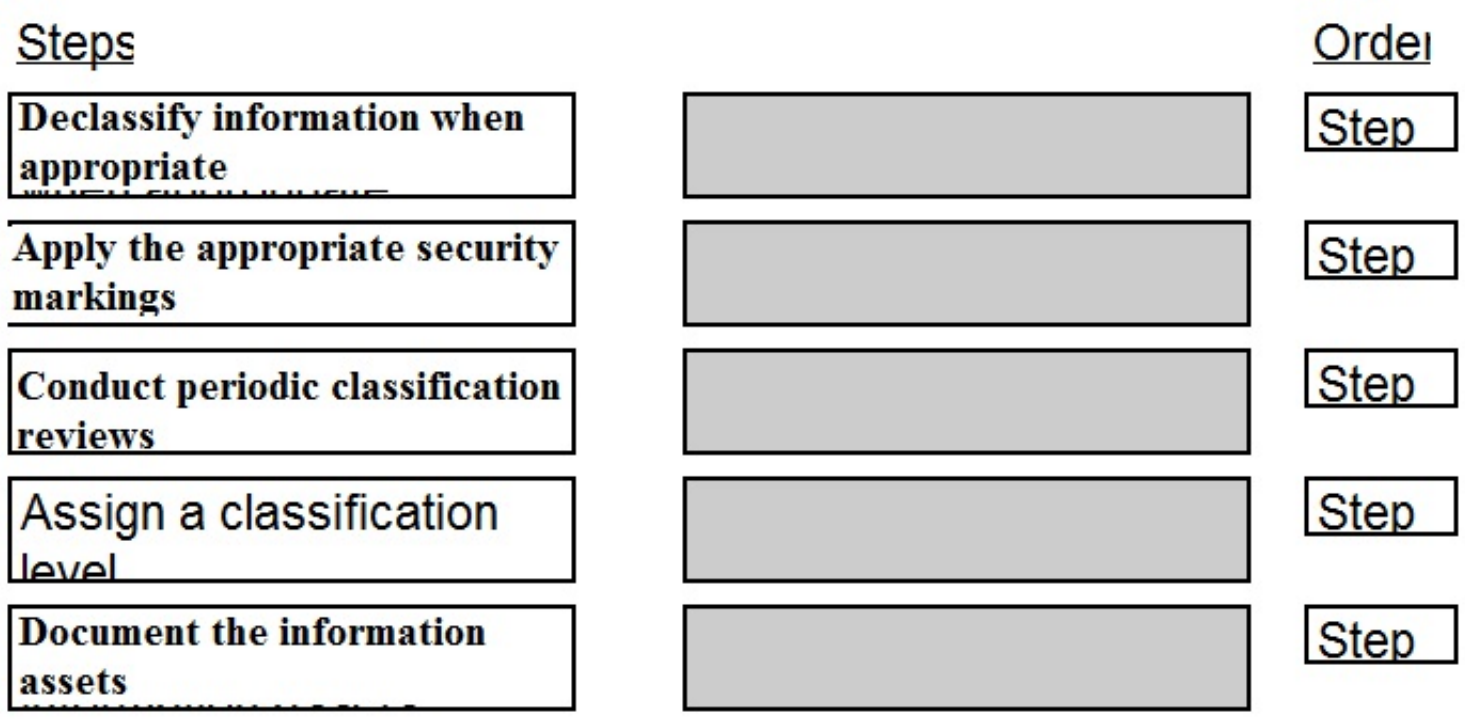
Answer: A

NEW QUESTION 306
- (Exam Topic 10)
Refer to the information below to answer the question.
A new employee is given a laptop computer with full administrator access. This employee does not have a personal computer at home and has a child that uses the computer to send and receive e-mail, search the web, and use instant messaging. The organization’s Information Technology (IT) department discovers that a peer-to-peer program has been installed on the computer using the employee's access.
Which of the following could have MOST likely prevented the Peer-to-Peer (P2P) program from being installed on the computer?

A. Removing employee's full access to the computer
B. Supervising their child's use of the computer
C. Limiting computer's access to only the employee
D. Ensuring employee understands their business conduct guidelines

Answer: A

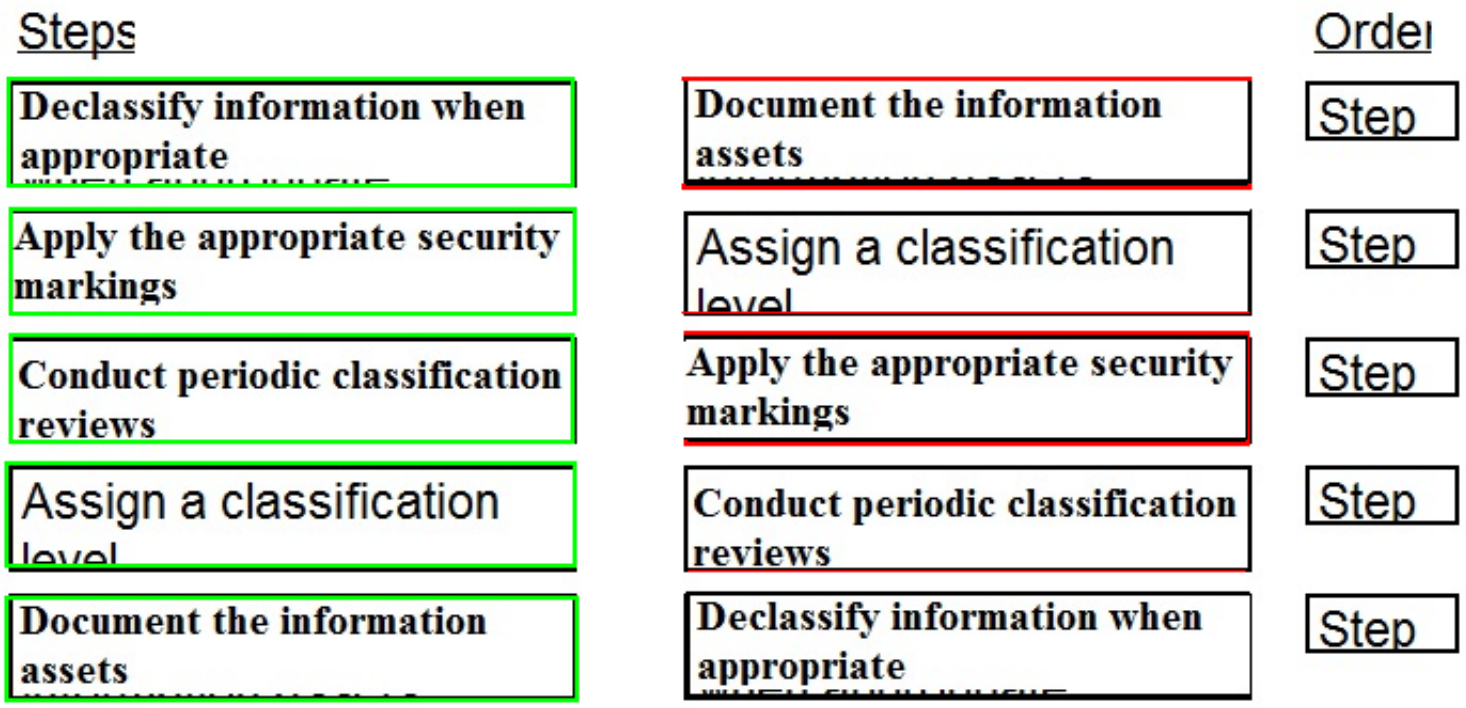
NEW QUESTION 310
- (Exam Topic 10)
Place the following information classification steps in sequential order.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 311
- (Exam Topic 10)
Which of the following is the MAIN goal of a data retention policy?

A. Ensure that data is destroyed properly.
B. Ensure that data recovery can be done on the datA.
C. Ensure the integrity and availability of data for a predetermined amount of time.
D. Ensure the integrity and confidentiality of data for a predetermined amount of time.

Answer: C

NEW QUESTION 313
- (Exam Topic 10)
Refer to the information below to answer the question.
A security practitioner detects client-based attacks on the organization's network. A plan will be necessary to address these concerns.
What is the BEST reason for the organization to pursue a plan to mitigate client-based attacks?

A. Client privilege administration is inherently weaker than server privilege administration.
B. Client hardening and management is easier on clients than on servers.
C. Client-based attacks are more common and easier to exploit than server and network based attacks.
D. Client-based attacks have higher financial impact.

Answer: C

NEW QUESTION 314
- (Exam Topic 10)
Refer to the information below to answer the question.

A large organization uses unique identifiers and requires them at the start of every system session. Application access is based on job classification. The organization is subject to periodic independent reviews of access controls and violations. The organization uses wired and wireless networks and remote access. The organization also uses secure connections to branch offices and secure backup and recovery strategies for selected information and processes.
In addition to authentication at the start of the user session, best practice would require re-authentication

A. periodically during a session.
B. for each business process.
C. at system sign-off.
D. after a period of inactivity.

Answer: D

NEW QUESTION 318
- (Exam Topic 10)
Refer to the information below to answer the question.
In a Multilevel Security (MLS) system, the following sensitivity labels are used in increasing levels of sensitivity: restricted, confidential, secret, top secret. Table A lists the clearance levels for four users, while Table B lists the security classes of four different files.

Table A

User	Clearance Level
A	Restricted
B	Confidential
C	Secret
D	Top Secret

Table B

Files	Security Class
1	Restricted
2	Confidential
3	Secret
4	Top Secret

In a Bell-LaPadula system, which user has the MOST restrictions when writing data to any of the four files?

A. User A
B. User B
C. User C
D. User D

Answer: D

NEW QUESTION 323
- (Exam Topic 10)
Refer to the information below to answer the question.
An organization has hired an information security officer to lead their security department. The officer has adequate people resources but is lacking the other necessary components to have an effective security program. There are numerous initiatives requiring security involvement.
The security program can be considered effective when

A. vulnerabilities are proactively identified.
B. audits are regularly performed and reviewed.
C. backups are regularly performed and validated.
D. risk is lowered to an acceptable level.

Answer: D

NEW QUESTION 326
- (Exam Topic 10)
For a service provider, which of the following MOST effectively addresses confidentiality concerns for customers using cloud computing?

A. Hash functions
B. Data segregation
C. File system permissions
D. Non-repudiation controls

Answer: B

NEW QUESTION 328
- (Exam Topic 10)
Which of the following secure startup mechanisms are PRIMARILY designed to thwart attacks?

A. Timing
B. Cold boot
C. Side channel
D. Acoustic cryptanalysis

Answer: B

NEW QUESTION 330
- (Exam Topic 10)
From a security perspective, which of the following is a best practice to configure a Domain Name Service (DNS) system?

A. Configure secondary servers to use the primary server as a zone forwarder.
B. Block all Transmission Control Protocol (TCP) connections.

C. Disable all recursive queries on the name servers.
D. Limit zone transfers to authorized devices.

Answer: D

NEW QUESTION 331
- (Exam Topic 10)
An organization's data policy MUST include a data retention period which is based on

A. application dismissal.
B. business procedures.
C. digital certificates expiration.
D. regulatory compliance.

Answer: D

NEW QUESTION 334
- (Exam Topic 10)
What is the PRIMARY reason for ethics awareness and related policy implementation?

A. It affects the workflow of an organization.
B. It affects the reputation of an organization.
C. It affects the retention rate of employees.
D. It affects the morale of the employees.

Answer: B

NEW QUESTION 339
- (Exam Topic 10)
Refer to the information below to answer the question.
An organization experiencing a negative financial impact is forced to reduce budgets and the number of Information Technology (IT) operations staff performing basic logical access security administration functions. Security processes have been tightly integrated into normal IT operations and are not separate and distinct roles.
When determining appropriate resource allocation, which of the following is MOST important to monitor?

A. Number of system compromises
B. Number of audit findings
C. Number of staff reductions
D. Number of additional assets

Answer: B

NEW QUESTION 343
- (Exam Topic 10)
A risk assessment report recommends upgrading all perimeter firewalls to mitigate a particular finding. Which of the following BEST supports this recommendation?

A. The inherent risk is greater than the residual risk.
B. The Annualized Loss Expectancy (ALE) approaches zero.
C. The expected loss from the risk exceeds mitigation costs.
D. The infrastructure budget can easily cover the upgrade costs.

Answer: C

NEW QUESTION 346
- (Exam Topic 10)
An organization publishes and periodically updates its employee policies in a file on their intranet. Which of the following is a PRIMARY security concern?

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

Answer: C

NEW QUESTION 349
- (Exam Topic 10)
Refer to the information below to answer the question.
An organization has hired an information security officer to lead their security department. The officer has adequate people resources but is lacking the other necessary components to have an effective security program. There are numerous initiatives requiring security involvement.
The effectiveness of the security program can PRIMARILY be measured through

A. audit findings.
B. risk elimination.
C. audit requirements.
D. customer satisfaction.

Answer: A

NEW QUESTION 350
- (Exam Topic 11)
A health care provider is considering Internet access for their employees and patients. Which of the following is the organization's MOST secure solution for protection of data?

A. Public Key Infrastructure (PKI) and digital signatures
B. Trusted server certificates and passphrases
C. User ID and password
D. Asymmetric encryption and User ID

Answer: A

NEW QUESTION 351
- (Exam Topic 11)
If an identification process using a biometric system detects a 100% match between a presented template and a stored template, what is the interpretation of this result?

A. User error
B. Suspected tampering
C. Accurate identification
D. Unsuccessful identification

Answer: B

NEW QUESTION 355
- (Exam Topic 11)
What is the GREATEST challenge to identifying data leaks?

A. Available technical tools that enable user activity monitoring.
B. Documented asset classification policy and clear labeling of assets.
C. Senior management cooperation in investigating suspicious behavior.
D. Law enforcement participation to apprehend and interrogate suspects.

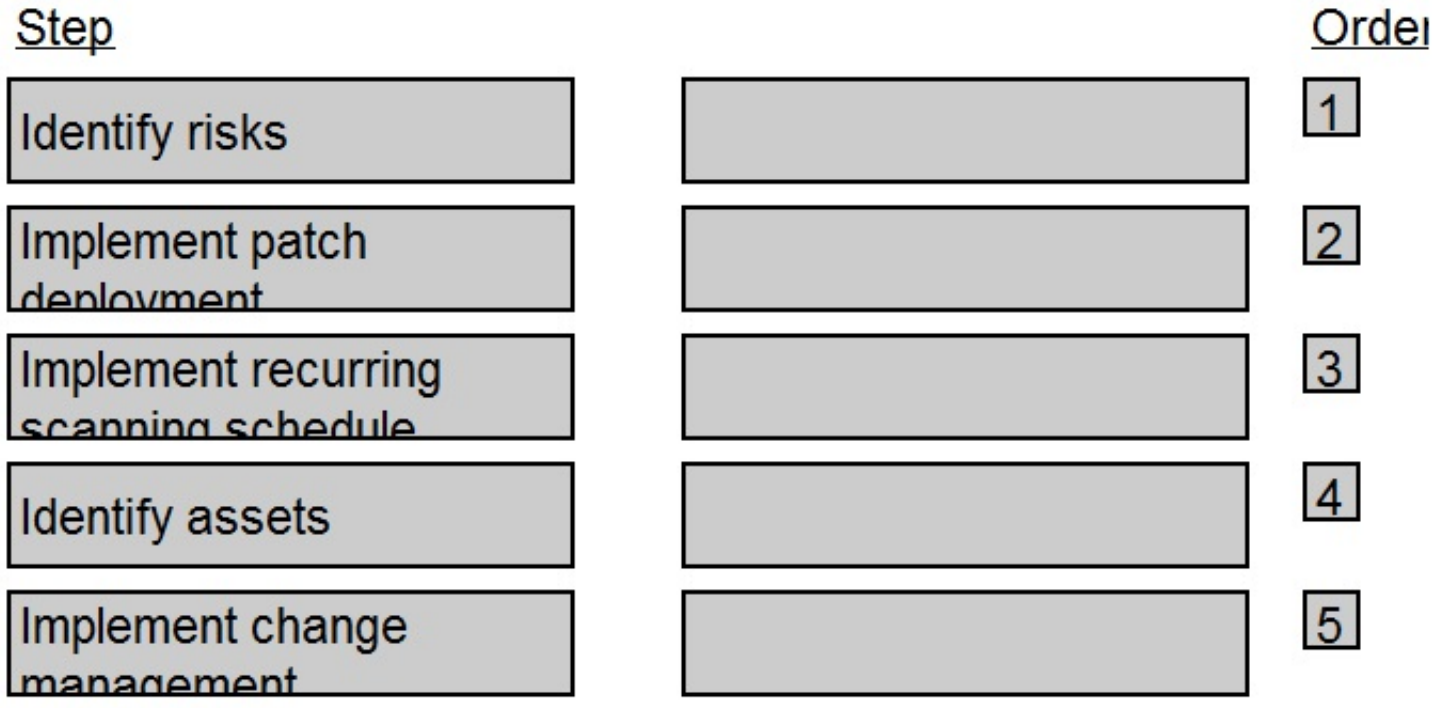
Answer: B

NEW QUESTION 360
- (Exam Topic 11)
Which of the following BEST describes a Protection Profile (PP)?

A. A document that expresses an implementation independent set of security requirements for an IT product that meets specific consumer needs.
B. A document that is used to develop an IT security product from its security requirements definition.
C. A document that expresses an implementation dependent set of security requirements which contains only the security functional requirements.
D. A document that represents evaluated products where there is a one-to-one correspondence between a PP and a Security Target (ST).

Answer: A

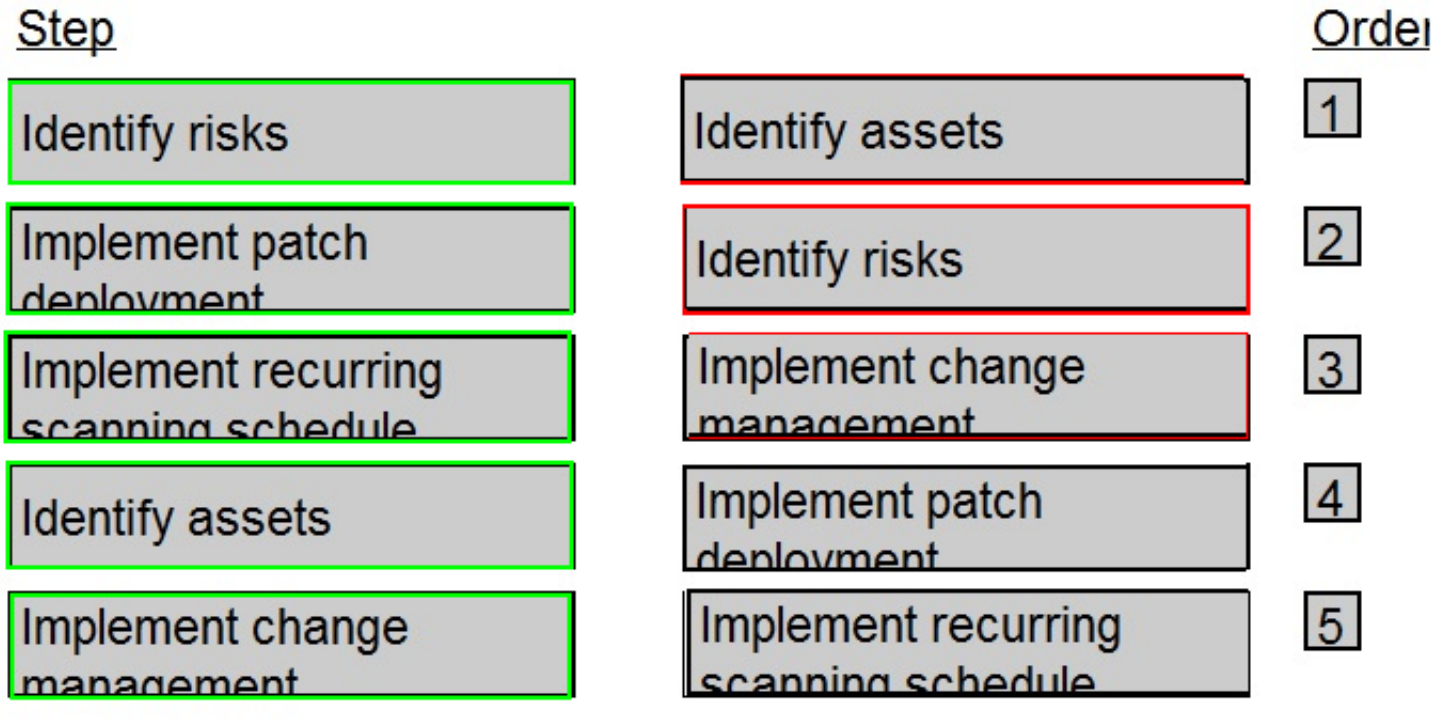
NEW QUESTION 362
- (Exam Topic 11)
Order the below steps to create an effective vulnerability management process.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 363
- (Exam Topic 11)
Which of the following is the MOST important element of change management documentation?

A. List of components involved
B. Number of changes being made
C. Business case justification
D. A stakeholder communication

Answer: C

NEW QUESTION 364
- (Exam Topic 11)
After a thorough analysis, it was discovered that a perpetrator compromised a network by gaining access to the network through a Secure Socket Layer (SSL) Virtual Private Network (VPN) gateway. The perpetrator guessed a username and brute forced the password to gain access. Which of the following BEST mitigates this issue?

A. Implement strong passwords authentication for VPN
B. Integrate the VPN with centralized credential stores
C. Implement an Internet Protocol Security (IPSec) client
D. Use two-factor authentication mechanisms

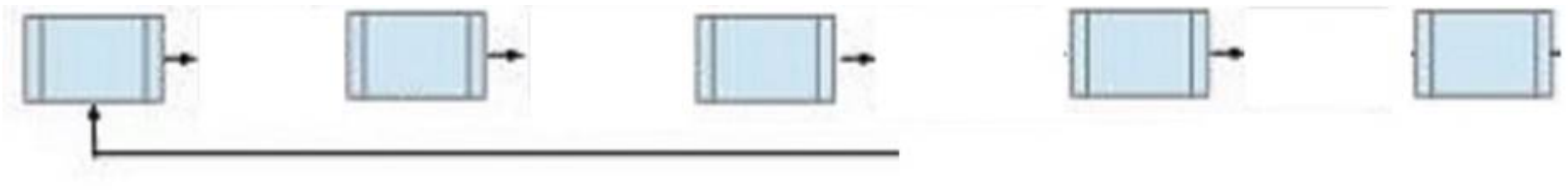
Answer: D

NEW QUESTION 369
- (Exam Topic 11)
Which of the following has the GREATEST impact on an organization's security posture?

A. International and country-specific compliance requirements
B. Security violations by employees and contractors
C. Resource constraints due to increasing costs of supporting security
D. Audit findings related to employee access and permissions process

Answer: A

NEW QUESTION 371
- (Exam Topic 11)
During the risk assessment phase of the project the CISO discovered that a college within the University is collecting Protected Health Information (PHI) data via an application that was developed in-house. The college collecting this data is fully aware of the regulations for Health Insurance Portability and Accountability Act (HIPAA) and is fully compliant.
What is the best approach for the CISO?
Below are the common phases to creating a Business Continuity/Disaster Recovery (BC/DR) plan. Drag the remaining BC\DR phases to the appropriate corresponding location.



Risk Assessment

Business Impact Analysis

Mitigation Strategy Development

BC\DR Plan Development

Training, Testing & Auditing

Plan Maintenance

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Risk Assessment

Business Impact Analysis

Mitigation Strategy Development

BC\DR Plan Development

Training, Testing & Auditing

Plan Maintenance

NEW QUESTION 376
- (Exam Topic 11)
Disaster Recovery Plan (DRP) training material should be

A. consistent so that all audiences receive the same training.
B. stored in a fire proof safe to ensure availability when needed.
C. only delivered in paper format.
D. presented in a professional looking manner.

Answer: A

NEW QUESTION 377
- (Exam Topic 11)
Which of the following is the BEST method to assess the effectiveness of an organization's vulnerability management program?

A. Review automated patch deployment reports
B. Periodic third party vulnerability assessment
C. Automated vulnerability scanning
D. Perform vulnerability scan by security team

Answer: B

NEW QUESTION 378
- (Exam Topic 11)
Which of the following is most helpful in applying the principle of LEAST privilege?

A. Establishing a sandboxing environment
B. Setting up a Virtual Private Network (VPN) tunnel
C. Monitoring and reviewing privileged sessions
D. Introducing a job rotation program

Answer: A

NEW QUESTION 382
- (Exam Topic 11)
Which of the following entities is ultimately accountable for data remanence vulnerabilities with data replicated by a cloud service provider?

A. Data owner
B. Data steward
C. Data custodian
D. Data processor

Answer: A

NEW QUESTION 384
- (Exam Topic 11)
Which of the following disaster recovery test plans will be MOST effective while providing minimal risk?

A. Read-through
B. Parallel
C. Full interruption
D. Simulation

Answer: B

NEW QUESTION 389
- (Exam Topic 11)
Single Sign-On (SSO) is PRIMARILY designed to address which of the following?

A. Confidentiality and Integrity
B. Availability and Accountability
C. Integrity and Availability
D. Accountability and Assurance

Answer: D

NEW QUESTION 390
- (Exam Topic 11)
Discretionary Access Control (DAC) restricts access according to

A. data classification labeling.
B. page views within an application.
C. authorizations granted to the user.
D. management accreditation.

Answer: C

NEW QUESTION 395
- (Exam Topic 11)
Which of the following roles has the obligation to ensure that a third party provider is capable of processing and handling data in a secure manner and meeting the standards set by the organization?

A. Data Custodian
B. Data Owner
C. Data Creator
D. Data User

Answer: B

NEW QUESTION 400
- (Exam Topic 11)
An organization lacks a data retention policy. Of the following, who is the BEST person to consult for such requirement?

A. Application Manager
B. Database Administrator
C. Privacy Officer
D. Finance Manager

Answer: C

NEW QUESTION 404
- (Exam Topic 11)
An organization has hired a security services firm to conduct a penetration test. Which of the following will the organization provide to the tester?

A. Limits and scope of the testing.
B. Physical location of server room and wiring closet.
C. Logical location of filters and concentrators.
D. Employee directory and organizational chart.

Answer:

A

NEW QUESTION 405
- (Exam Topic 11)
Which of the following command line tools can be used in the reconnaisance phase of a network vulnerability assessment?

A. dig
B. ifconfig
C. ipconfig
D. nbtstat

Answer: A

NEW QUESTION 409
- (Exam Topic 11)
Which of the following BEST describes a rogue Access Point (AP)?

A. An AP that is not protected by a firewall
B. An AP not configured to use Wired Equivalent Privacy (WEP) with Triple Data Encryption Algorithm (3DES)
C. An AP connected to the wired infrastructure but not under the management of authorized network administrators
D. An AP infected by any kind of Trojan or Malware

Answer: C

NEW QUESTION 412
- (Exam Topic 11)
Which of the following describes the BEST configuration management practice?

A. After installing a new system, the configuration files are copied to a separate back-up system and hashed to detect tampering.
B. After installing a new system, the configuration files are copied to an air-gapped system and hashed to detect tampering.
C. The firewall rules are backed up to an air-gapped system.
D. A baseline configuration is created and maintained for all relevant systems.

Answer: D

NEW QUESTION 417
- (Exam Topic 11)
After acquiring the latest security updates, what must be done before deploying to production systems?

A. Use tools to detect missing system patches
B. Install the patches on a test system
C. Subscribe to notifications for vulnerabilities
D. Assess the severity of the situation

Answer: B

NEW QUESTION 419
- (Exam Topic 11)
To protect auditable information, which of the following MUST be configured to only allow read access?

A. Logging configurations
B. Transaction log files
C. User account configurations
D. Access control lists (ACL)

Answer: B

NEW QUESTION 420
- (Exam Topic 11)
What type of encryption is used to protect sensitive data in transit over a network?

A. Payload encryption and transport encryption
B. Authentication Headers (AH)
C. Keyed-Hashing for Message Authentication
D. Point-to-Point Encryption (P2PE)

Answer: A

NEW QUESTION 424
- (Exam Topic 11)
For privacy protected data, which of the following roles has the highest authority for establishing dissemination rules for the data?

A. Information Systems Security Officer
B. Data Owner
C. System Security Architect
D. Security Requirements Analyst

Answer: B

NEW QUESTION 426
- (Exam Topic 11)
Which methodology is recommended for penetration testing to be effective in the development phase of the life-cycle process?

A. White-box testing
B. Software fuzz testing
C. Black-box testing
D. Visual testing

Answer: A

NEW QUESTION 428
- (Exam Topic 11)
The PRIMARY characteristic of a Distributed Denial of Service (DDoS) attack is that it

A. exploits weak authentication to penetrate networks.
B. can be detected with signature analysis.
C. looks like normal network activity.
D. is commonly confused with viruses or worms.

Answer: C

NEW QUESTION 431
- (Exam Topic 11)
Application of which of the following Institute of Electrical and Electronics Engineers (IEEE) standards will prevent an unauthorized wireless device from being attached to a network?

A. IEEE 802.1F
B. IEEE 802.1H
C. IEEE 802.1Q
D. IEEE 802.1X

Answer: D

NEW QUESTION 434
- (Exam Topic 11)
Drag the following Security Engineering terms on the left to the BEST definition on the right.

Security Engineering		Definition
Security Risk Treatment		The method used to identify the confidentiality, integrity, and availability requirements for organizational and system assets and to characterize the **adverse impact or consequences should the asset be lost, modified, degraded, disrupted, compromised, or become unavailable.**
Threat Assessment		A measure of the extent to which an entity is threatened by a potential circumstance or event, the adverse impacts that would arise if the **circumstance or event occurs, and the likelihood of occurrence.**
Protection Needs		The method used to identify and characterize the dangers anticipated **throughout the life cycle of the system.**
Risk		The method used to identify feasible security **risk mitigation options and plans.**

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Security Engineering		Definition
Security Risk Treatment	Protection Needs	The method used to identify the confidentiality, integrity, and availability requirements for organizational and system assets and to characterize the **adverse impact or consequences should the asset be lost, modified, degraded, disrupted, compromised, or become unavailable.**
Threat Assessment	Risk	A measure of the extent to which an entity is threatened by a potential circumstance or event, the adverse impacts that would arise if the **circumstance or event occurs, and the likelihood of occurrence.**
Protection Needs	Threat Assessment	The method used to identify and characterize the dangers anticipated **throughout the life cycle of the system.**
Risk	Security Risk Treatment	The method used to identify feasible security **risk mitigation options and plans.**

NEW QUESTION 438
- (Exam Topic 11)
Which of the following controls is the FIRST step in protecting privacy in an information system?

A. Data Redaction
B. Data Minimization
C. Data Encryption
D. Data Storage

Answer: B

NEW QUESTION 441
- (Exam Topic 11)
Software Code signing is used as a method of verifying what security concept?

A. Integrity
B. Confidentiality
C. Availability
D. Access Control

Answer: A

NEW QUESTION 443

- (Exam Topic 11)
Data leakage of sensitive information is MOST often concealed by which of the following?

A. Secure Sockets Layer (SSL)
B. Secure Hash Algorithm (SHA)
C. Wired Equivalent Privacy (WEP)
D. Secure Post Office Protocol (POP)

Answer: A

NEW QUESTION 447
- (Exam Topic 11)
What is one way to mitigate the risk of security flaws in custom software?

A. Include security language in the Earned Value Management (EVM) contract
B. Include security assurance clauses in the Service Level Agreement (SLA)
C. Purchase only Commercial Off-The-Shelf (COTS) products
D. Purchase only software with no open source Application Programming Interfaces (APIs)

Answer: B

NEW QUESTION 448
- (Exam Topic 11)
What does an organization FIRST review to assure compliance with privacy requirements?

A. Best practices
B. Business objectives
C. Legal and regulatory mandates
D. Employee's compliance to policies and standards

Answer: C

NEW QUESTION 451
- (Exam Topic 11)
The goal of a Business Continuity Plan (BCP) training and awareness program is to

A. enhance the skills required to create, maintain, and execute the plan.
B. provide for a high level of recovery in case of disaster.
C. describe the recovery organization to new employees.
D. provide each recovery team with checklists and procedures.

Answer: A

NEW QUESTION 456
- (Exam Topic 11)
What is the PRIMARY goal for using Domain Name System Security Extensions (DNSSEC) to sign records?

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

Answer: A

NEW QUESTION 460
- (Exam Topic 11)
Discretionary Access Control (DAC) is based on which of the following?

A. Information source and destination
B. Identification of subjects and objects
C. Security labels and privileges
D. Standards and guidelines

Answer: B

NEW QUESTION 461
- (Exam Topic 11)
A network scan found 50% of the systems with one or more critical vulnerabilities. Which of the following represents the BEST action?

A. Assess vulnerability risk and program effectiveness.
B. Assess vulnerability risk and business impact.
C. Disconnect all systems with critical vulnerabilities.
D. Disconnect systems with the most number of vulnerabilities.

Answer: B

NEW QUESTION 465
- (Exam Topic 11)
Which of the following questions can be answered using user and group entitlement reporting?

A. When a particular file was last accessed by a user
B. Change control activities for a particular group of users
C. The number of failed login attempts for a particular user
D. Where does a particular user have access within the network

Answer: D

NEW QUESTION 469
- (Exam Topic 11)
When in the Software Development Life Cycle (SDLC) MUST software security functional requirements be defined?

A. After the system preliminary design has been developed and the data security categorization has been performed
B. After the business functional analysis and the data security categorization have been performed
C. After the vulnerability analysis has been performed and before the system detailed design begins
D. After the system preliminary design has been developed and before the data security categorization begins

Answer: B

NEW QUESTION 470
- (Exam Topic 11)
Which of the following BEST avoids data remanence disclosure for cloud hosted resources?

A. Strong encryption and deletion of the keys after data is deleted.
B. Strong encryption and deletion of the virtual host after data is deleted.
C. Software based encryption with two factor authentication.
D. Hardware based encryption on dedicated physical servers.

Answer: A

NEW QUESTION 471
- (Exam Topic 11)
Who is ultimately responsible to ensure that information assets are categorized and adequate measures are taken to protect them?

A. Data Custodian
B. Executive Management
C. Chief Information Security Officer
D. Data/Information/Business Owners

Answer: B

NEW QUESTION 473
- (Exam Topic 11)
Which of the following is a recommended alternative to an integrated email encryption system?

A. Sign emails containing sensitive data
B. Send sensitive data in separate emails
C. Encrypt sensitive data separately in attachments
D. Store sensitive information to be sent in encrypted drives

Answer: C

NEW QUESTION 475
- (Exam Topic 11)
A Simple Power Analysis (SPA) attack against a device directly observes which of the following?

A. Static discharge
B. Consumption
C. Generation
D. Magnetism

Answer: B

NEW QUESTION 479
- (Exam Topic 11)
Which of the following activities BEST identifies operational problems, security misconfigurations, and malicious attacks?

A. Policy documentation review
B. Authentication validation
C. Periodic log reviews
D. Interface testing

Answer: C

NEW QUESTION 484
- (Exam Topic 11)
While inventorying storage equipment, it is found that there are unlabeled, disconnected, and powered off devices. Which of the following is the correct procedure for handling such equipment?

A. They should be recycled to save energy.
B. They should be recycled according to NIST SP 800-88.
C. They should be inspected and sanitized following the organizational policy.
D. They should be inspected and categorized properly to sell them for reuse.

Answer: C

NEW QUESTION 488
- (Exam Topic 11)
In the Open System Interconnection (OSI) model, which layer is responsible for the transmission of binary data over a communications network?

A. Application Layer
B. Physical Layer
C. Data-Link Layer
D. Network Layer

Answer: B

NEW QUESTION 492
- (Exam Topic 11)
Which of the following secures web transactions at the Transport Layer?

A. Secure HyperText Transfer Protocol (S-HTTP)
B. Secure Sockets Layer (SSL)
C. Socket Security (SOCKS)
D. Secure Shell (SSH)

Answer: B

NEW QUESTION 497
- (Exam Topic 11)
The 802.1x standard provides a framework for what?

A. Network authentication for only wireless networks
B. Network authentication for wired and wireless networks
C. Wireless encryption using the Advanced Encryption Standard (AES)
D. Wireless network encryption using Secure Sockets Layer (SSL)

Answer: B

NEW QUESTION 502
- (Exam Topic 11)
While investigating a malicious event, only six days of audit logs from the last month were available. What policy should be updated to address this problem?

A. Retention
B. Reporting
C. Recovery
D. Remediation

Answer: A

NEW QUESTION 507
- (Exam Topic 11)
Which of the following is the MOST important output from a mobile application threat modeling exercise according to Open Web Application Security Project (OWASP)?

A. Application interface entry and endpoints
B. The likelihood and impact of a vulnerability
C. Countermeasures and mitigations for vulnerabilities
D. A data flow diagram for the application and attack surface analysis

Answer: D

NEW QUESTION 512
- (Exam Topic 11)
Which of the following is the PRIMARY issue when collecting detailed log information?

A. Logs may be unavailable when required
B. Timely review of the data is potentially difficult
C. Most systems and applications do not support logging
D. Logs do not provide sufficient details of system and individual activities

Answer: B

NEW QUESTION 517
- (Exam Topic 11)
An organization is found lacking the ability to properly establish performance indicators for its Web hosting solution during an audit. What would be the MOST probable cause?

A. Improper deployment of the Service-Oriented Architecture (SOA)
B. Absence of a Business Intelligence (BI) solution
C. Inadequate cost modeling
D. Insufficient Service Level Agreement (SLA)

Answer: D

NEW QUESTION 521
- (Exam Topic 11)
By carefully aligning the pins in the lock, which of the following defines the opening of a mechanical lock without the proper key?

A. Lock pinging
B. Lock picking
C. Lock bumping
D. Lock bricking

Answer: B

NEW QUESTION 525
- (Exam Topic 11)
The BEST method to mitigate the risk of a dictionary attack on a system is to

A. use a hardware token.
B. use complex passphrases.
C. implement password history.
D. encrypt the access control list (ACL).

Answer: A

NEW QUESTION 529
- (Exam Topic 11)
Which of the following provides the minimum set of privileges required to perform a job function and restricts the user to a domain with the required privileges?

A. Access based on rules
B. Access based on user's role
C. Access determined by the system
D. Access based on data sensitivity

Answer: B

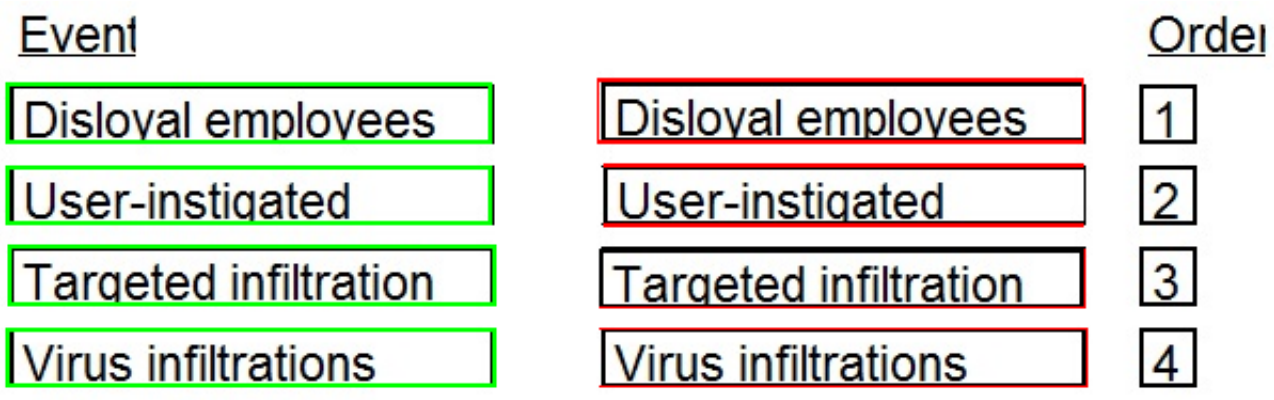
NEW QUESTION 532
- (Exam Topic 11)
In which order, from MOST to LEAST impacted, does user awareness training reduce the occurrence of the events below?

Event		Order
Disloyal employees		1
User-instigated		2
Targeted infiltration		3
Virus infiltrations		4

A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 535
- (Exam Topic 12)
A proxy firewall operates at what layer of the Open System Interconnection (OSI) model?

A. Transport
B. Data link
C. Network
D. Application

Answer: D

NEW QUESTION 536
- (Exam Topic 12)
As a best practice, the Security Assessment Report (SAR) should include which of the following sections?

A. Data classification policy
B. Software and hardware inventory
C. Remediation recommendations
D. Names of participants

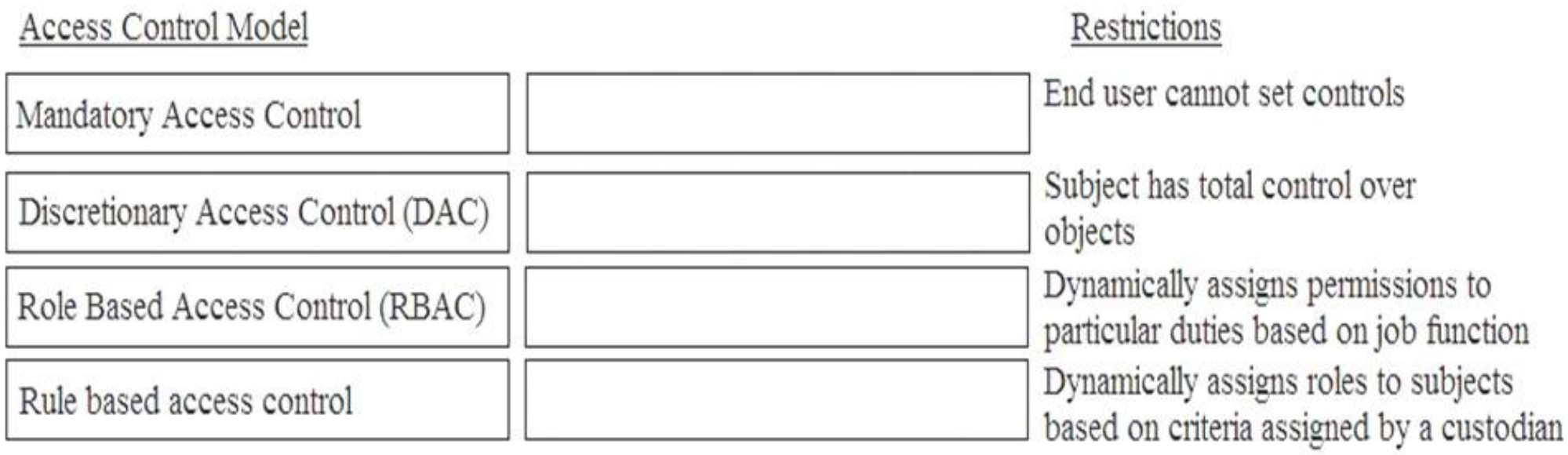
Answer: B

NEW QUESTION 540
- (Exam Topic 12)
Which of the following is a remote access protocol that uses a static authentication?

A. Point-to-Point Tunneling Protocol (PPTP)
B. Routing Information Protocol (RIP)
C. Password Authentication Protocol (PAP)
D. Challenge Handshake Authentication Protocol (CHAP)

Answer: C

NEW QUESTION 542
- (Exam Topic 12)
Match the name of access control model with its associated restriction.
Drag each access control model to its appropriate restriction access on the right.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Mandatory Access Control – End user cannot set controls
Discretionary Access Control (DAC) – Subject has total control over objects

Role Based Access Control (RBAC) – Dynamically assigns roles permissions to particular duties based on job function
Rule Based access control – Dynamically assigns roles to subjects based on criteria assigned by a custodian.

NEW QUESTION 547
- (Exam Topic 12)
The restoration priorities of a Disaster Recovery Plan (DRP) are based on which of the following documents?

A. Service Level Agreement (SLA)
B. Business Continuity Plan (BCP)
C. Business Impact Analysis (BIA)
D. Crisis management plan

Answer: B

NEW QUESTION 548
- (Exam Topic 12)
Which of the following is the BEST method to reduce the effectiveness of phishing attacks?

A. User awareness
B. Two-factor authentication
C. Anti-phishing software
D. Periodic vulnerability scan

Answer: A

NEW QUESTION 549
- (Exam Topic 12)
A company has decided that they need to begin maintaining assets deployed in the enterprise. What approach should be followed to determine and maintain ownership information to bring the company into compliance?

A. Enterprise asset management framework
B. Asset baseline using commercial off the shelf software
C. Asset ownership database using domain login records
D. A script to report active user logins on assets

Answer: A

NEW QUESTION 554
- (Exam Topic 12)
Which of the following is a strategy of grouping requirements in developing a Security Test and Evaluation (ST&E)?

A. Tactical, strategic, and financial
B. Management, operational, and technical
C. Documentation, observation, and manual
D. Standards, policies, and procedures

Answer: B

NEW QUESTION 558
- (Exam Topic 12)
Which of the following is the MOST important goal of information asset valuation?

A. Developing a consistent and uniform method of controlling access on information assets
B. Developing appropriate access control policies and guidelines
C. Assigning a financial value to an organization’s information assets
D. Determining the appropriate level of protection

Answer: D

NEW QUESTION 560
- (Exam Topic 12)
The PRIMARY outcome of a certification process is that it provides documented

A. interconnected systems and their implemented security controls.
B. standards for security assessment, testing, and process evaluation.
C. system weakness for remediation.
D. security analyses needed to make a risk-based decision.

Answer: D

NEW QUESTION 564
- (Exam Topic 12)
Which of the following sets of controls should allow an investigation if an attack is not blocked by preventive controls or detected by monitoring?

A. Logging and audit trail controls to enable forensic analysis
B. Security incident response lessons learned procedures

C. Security event alert triage done by analysts using a Security Information and Event Management (SIEM) system
D. Transactional controls focused on fraud prevention

Answer: C

NEW QUESTION 568
- (Exam Topic 12)
Which of the following restricts the ability of an individual to carry out all the steps of a particular process?

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

Answer: B

NEW QUESTION 573
- (Exam Topic 12)
An application developer is deciding on the amount of idle session time that the application allows before a timeout. The BEST reason for determining the session timeout requirement is

A. organization policy.
B. industry best practices.
C. industry laws and regulations.
D. management feedback.

Answer: A

NEW QUESTION 574
- (Exam Topic 12)
Which of the following is MOST important when deploying digital certificates?

A. Validate compliance with X.509 digital certificate standards
B. Establish a certificate life cycle management framework
C. Use a third-party Certificate Authority (CA)
D. Use no less than 256-bit strength encryption when creating a certificate

Answer: B

NEW QUESTION 577
- (Exam Topic 12)
What type of wireless network attack BEST describes an Electromagnetic Pulse (EMP) attack?

A. Radio Frequency (RF) attack
B. Denial of Service (DoS) attack
C. Data modification attack
D. Application-layer attack

Answer: B

NEW QUESTION 580
- (Exam Topic 12)
What does the Maximum Tolerable Downtime (MTD) determine?

A. The estimated period of time a business critical database can remain down before customers are affected.
B. The fixed length of time a company can endure a disaster without any Disaster Recovery (DR) planning
C. The estimated period of time a business can remain interrupted beyond which it risks never recovering
D. The fixed length of time in a DR process before redundant systems are engaged

Answer: C

NEW QUESTION 585
- (Exam Topic 12)
Between which pair of Open System Interconnection (OSI) Reference Model layers are routers used as a communications device?

A. Transport and Session
B. Data-Link and Transport
C. Network and Session
D. Physical and Data-Link

Answer: B

NEW QUESTION 586
- (Exam Topic 12)
What operations role is responsible for protecting the enterprise from corrupt or contaminated media?

A. Information security practitioner
B. Information librarian
C. Computer operator
D. Network administrator

Answer: B

NEW QUESTION 588
- (Exam Topic 12)
Which of the following command line tools can be used in the reconnaissance phase of a network vulnerability assessment?

A. dig
B. ipconfig
C. ifconfig
D. nbstat

Answer: A

NEW QUESTION 589
- (Exam Topic 12)
A database administrator is asked by a high-ranking member of management to perform specific changes to the accounting system database. The administrator is specifically instructed to not track or evidence the change in a ticket. Which of the following is the BEST course of action?

A. Ignore the request and do not perform the change.
B. Perform the change as requested, and rely on the next audit to detect and report the situation.
C. Perform the change, but create a change ticket regardless to ensure there is complete traceability.
D. Inform the audit committee or internal audit directly using the corporate whistleblower process.

Answer: D

NEW QUESTION 590
- (Exam Topic 12)
What is the BEST way to encrypt web application communications?

A. Secure Hash Algorithm 1 (SHA-1)
B. Secure Sockets Layer (SSL)
C. Cipher Block Chaining Message Authentication Code (CBC-MAC)
D. Transport Layer Security (TLS)

Answer: D

NEW QUESTION 595
- (Exam Topic 12)
At which layer of the Open Systems Interconnect (OSI) model are the source and destination address for a datagram handled?

A. Transport Layer
B. Data-Link Layer
C. Network Layer
D. Application Layer

Answer: C

NEW QUESTION 596
- (Exam Topic 12)
When writing security assessment procedures, what is the MAIN purpose of the test outputs and reports?

A. To force the software to fail and document the process
B. To find areas of compromise in confidentiality and integrity
C. To allow for objective pass or fail decisions
D. To identify malware or hidden code within the test results

Answer: C

NEW QUESTION 599
- (Exam Topic 12)
Which of the following is the PRIMARY benefit of a formalized information classification program?

A. It minimized system logging requirements.
B. It supports risk assessment.
C. It reduces asset vulnerabilities.
D. It drives audit processes.

Answer: B

NEW QUESTION 601

- (Exam Topic 12)
Which of the following is needed to securely distribute symmetric cryptographic keys?

A. Officially approved Public-Key Infrastructure (PKI) Class 3 or Class 4 certificates
B. Officially approved and compliant key management technology and processes
C. An organizationally approved communication protection policy and key management plan
D. Hardware tokens that protect the user's private key.

Answer: C

NEW QUESTION 605
- (Exam Topic 12)
Which one of the following activities would present a significant security risk to organizations when employing a Virtual Private Network (VPN) solution?

A. VPN bandwidth
B. Simultaneous connection to other networks
C. Users with Internet Protocol (IP) addressing conflicts
D. Remote users with administrative rights

Answer: B

NEW QUESTION 609
- (Exam Topic 12)
Which of the following is the PRIMARY reason for employing physical security personnel at entry points in facilities where card access is in operation?

A. To verify that only employees have access to the facility.
B. To identify present hazards requiring remediation.
C. To monitor staff movement throughout the facility.
D. To provide a safe environment for employees.

Answer: D

NEW QUESTION 611
- (Exam Topic 12)
Which of the following is BEST suited for exchanging authentication and authorization messages in a multi-party decentralized environment?

A. Lightweight Directory Access Protocol (LDAP)
B. Security Assertion Markup Language (SAML)
C. Internet Mail Access Protocol
D. Transport Layer Security (TLS)

Answer: B

NEW QUESTION 613
- (Exam Topic 12)
In the Software Development Life Cycle (SDLC), maintaining accurate hardware and software inventories is a critical part of

A. systems integration.
B. risk management.
C. quality assurance.
D. change management.

Answer: D

NEW QUESTION 614
- (Exam Topic 12)
In order to assure authenticity, which of the following are required?

A. Confidentiality and authentication
B. Confidentiality and integrity
C. Authentication and non-repudiation
D. Integrity and non-repudiation

Answer: D

NEW QUESTION 615
- (Exam Topic 12)
When using Generic Routing Encapsulation (GRE) tunneling over Internet Protocol version 4 (IPv4), where is the GRE header inserted?

A. Into the options field
B. Between the delivery header and payload
C. Between the source and destination addresses
D. Into the destination address

Answer: B

NEW QUESTION 619
- (Exam Topic 12)
Which of the following are effective countermeasures against passive network-layer attacks?

A. Federated security and authenticated access controls
B. Trusted software development and run time integrity controls
C. Encryption and security enabled applications
D. Enclave boundary protection and computing environment defense

Answer: C

NEW QUESTION 622
- (Exam Topic 12)
The application of a security patch to a product previously validate at Common Criteria (CC) Evaluation Assurance Level (EAL) 4 would

A. require an update of the Protection Profile (PP).
B. require recertification.
C. retain its current EAL rating.
D. reduce the product to EAL 3.

Answer: B

NEW QUESTION 627
- (Exam Topic 12)
From a cryptographic perspective, the service of non-repudiation includes which of the following features?

A. Validity of digital certificates
B. Validity of the authorization rules
C. Proof of authenticity of the message
D. Proof of integrity of the message

Answer: C

NEW QUESTION 632
- (Exam Topic 12)
For network based evidence, which of the following contains traffic details of all network sessions in order to detect anomalies?

A. Alert data
B. User data
C. Content data
D. Statistical data

Answer: D

NEW QUESTION 634
- (Exam Topic 12)
When designing a vulnerability test, which one of the following is likely to give the BEST indication of what components currently operate on the network?

A. Topology diagrams
B. Mapping tools
C. Asset register
D. Ping testing

Answer: D

NEW QUESTION 639
- (Exam Topic 12)
In which identity management process is the subject’s identity established?

A. Trust
B. Provisioning
C. Authorization
D. Enrollment

Answer: D

NEW QUESTION 641
- (Exam Topic 12)
What balance MUST be considered when web application developers determine how informative application error messages should be constructed?

A. Risk versus benefit
B. Availability versus auditability
C. Confidentiality versus integrity
D. Performance versus user satisfaction

Answer: A

NEW QUESTION 643
- (Exam Topic 13)
A security compliance manager of a large enterprise wants to reduce the time it takes to perform network, system, and application security compliance audits while increasing quality and effectiveness of the results. What should be implemented to BEST achieve the desired results?

A. Configuration Management Database (CMDB)
B. Source code repository
C. Configuration Management Plan (CMP)
D. System performance monitoring application

Answer: C

NEW QUESTION 648
- (Exam Topic 13)
A security analyst for a large financial institution is reviewing network traffic related to an incident. The analyst determines the traffic is irrelevant to the investigation but in the process of the review, the analyst also finds that an applications data, which included full credit card cardholder data, is transferred in clear text between the server and user's desktop. The analyst knows this violates the Payment Card Industry Data Security Standard (PCI-DSS). Which of the following is the analyst's next step?

A. Send the log file co-workers for peer review
B. Include the full network traffic logs in the incident report
C. Follow organizational processes to alert the proper teams to address the issue.
D. Ignore data as it is outside the scope of the investigation and the analyst's role.

Answer: C

Explanation:
Section: Security Operations

NEW QUESTION 653
- (Exam Topic 13)
Which of the following is the MOST effective practice in managing user accounts when an employee is terminated?

A. Implement processes for automated removal of access for terminated employees.
B. Delete employee network and system IDs upon termination.
C. Manually remove terminated employee user-access to all systems and applications.
D. Disable terminated employee network ID to remove all access.

Answer: B

NEW QUESTION 654
- (Exam Topic 13)
Which one of the following is an advantage of an effective release control strategy form a configuration control standpoint?

A. Ensures that a trace for all deliverables is maintained and auditable
B. Enforces backward compatibility between releases
C. Ensures that there is no loss of functionality between releases
D. Allows for future enhancements to existing features

Answer: C

NEW QUESTION 657
- (Exam Topic 13)
Which of the following is the MOST important security goal when performing application interface testing?

A. Confirm that all platforms are supported and function properly
B. Evaluate whether systems or components pass data and control correctly to one another
C. Verify compatibility of software, hardware, and network connections
D. Examine error conditions related to external interfaces to prevent application details leakage

Answer: B

NEW QUESTION 661
- (Exam Topic 13)
Why is planning in Disaster Recovery (DR) an interactive process?

A. It details off-site storage plans
B. It identifies omissions in the plan
C. It defines the objectives of the plan
D. It forms part of the awareness process

Answer: B

NEW QUESTION 663
- (Exam Topic 13)

What is the MAIN goal of information security awareness and training?

A. To inform users of the latest malware threats
B. To inform users of information assurance responsibilities
C. To comply with the organization information security policy
D. To prepare students for certification

Answer: B

NEW QUESTION 668
- (Exam Topic 13)
An organization's security policy delegates to the data owner the ability to assign which user roles have access to a particular resource. What type of authorization mechanism is being used?

A. Discretionary Access Control (DAC)
B. Role Based Access Control (RBAC)
C. Media Access Control (MAC)
D. Mandatory Access Control (MAC)

Answer: A

NEW QUESTION 670
- (Exam Topic 13)
Due to system constraints, a group of system administrators must share a high-level access set of credentials. Which of the following would be MOST appropriate to implement?

A. Increased console lockout times for failed logon attempts
B. Reduce the group in size
C. A credential check-out process for a per-use basis
D. Full logging on affected systems

Answer: C

Explanation:
Section: Security Operations

NEW QUESTION 673
- (Exam Topic 13)
From a security perspective, which of the following assumptions MUST be made about input to an application?

A. It is tested
B. It is logged
C. It is verified
D. It is untrusted

Answer: D

NEW QUESTION 674
- (Exam Topic 13)
In an organization where Network Access Control (NAC) has been deployed, a device trying to connect to the network is being placed into an isolated domain. What could be done on this device in order to obtain proper connectivity?

A. Connect the device to another network jack
B. Apply remediation's according to security requirements
C. Apply Operating System (OS) patches
D. Change the Message Authentication Code (MAC) address of the network interface

Answer: B

NEW QUESTION 677
- (Exam Topic 13)
Which security access policy contains fixed security attributes that are used by the system to determine a user's access to a file or object?

A. Mandatory Access Control (MAC)
B. Access Control List (ACL)
C. Discretionary Access Control (DAC)
D. Authorized user control

Answer: A

NEW QUESTION 682
- (Exam Topic 13)
Unused space in a disk cluster is important in media analysis because it may contain which of the following?

A. Residual data that has not been overwritten
B. Hidden viruses and Trojan horses

C. Information about the File Allocation table (FAT)
D. Information about patches and upgrades to the system

Answer: A

NEW QUESTION 686
- (Exam Topic 13)
A Denial of Service (DoS) attack on a syslog server exploits weakness in which of the following protocols?

A. Point-to-Point Protocol (PPP) and Internet Control Message Protocol (ICMP)
B. Transmission Control Protocol (TCP) and User Datagram Protocol (UDP)
C. Address Resolution Protocol (ARP) and Reverse Address Resolution Protocol (RARP)
D. Transport Layer Security (TLS) and Secure Sockets Layer (SSL)

Answer: B

NEW QUESTION 690
- (Exam Topic 13)
It is MOST important to perform which of the following to minimize potential impact when implementing a new vulnerability scanning tool in a production environment?

A. Negotiate schedule with the Information Technology (IT) operation's team
B. Log vulnerability summary reports to a secured server
C. Enable scanning during off-peak hours
D. Establish access for Information Technology (IT) management

Answer: A

Explanation:
Section: Security Operations

NEW QUESTION 695
- (Exam Topic 13)
Which factors MUST be considered when classifying information and supporting assets for risk management, legal discovery, and compliance?

A. System owner roles and responsibilities, data handling standards, storage and secure development lifecycle requirements
B. Data stewardship roles, data handling and storage standards, data lifecycle requirements
C. Compliance office roles and responsibilities, classified material handling standards, storage system lifecycle requirements
D. System authorization roles and responsibilities, cloud computing standards, lifecycle requirements

Answer: A

NEW QUESTION 697
- (Exam Topic 13)
Which of the following is a benefit in implementing an enterprise Identity and Access Management (IAM) solution?

A. Password requirements are simplified.
B. Risk associated with orphan accounts is reduced.
C. Segregation of duties is automatically enforced.
D. Data confidentiality is increased.

Answer: A

NEW QUESTION 698
- (Exam Topic 13)
Which of the following is a characteristic of an internal audit?

A. An internal audit is typically shorter in duration than an external audit.
B. The internal audit schedule is published to the organization well in advance.
C. The internal auditor reports to the Information Technology (IT) department
D. Management is responsible for reading and acting upon the internal audit results

Answer: D

NEW QUESTION 699
- (Exam Topic 13)
An organization has outsourced its financial transaction processing to a Cloud Service Provider (CSP) who will provide them with Software as a Service (SaaS). If there was a data breach who is responsible for monetary losses?

A. The Data Protection Authority (DPA)
B. The Cloud Service Provider (CSP)
C. The application developers
D. The data owner

Answer: B

NEW QUESTION 704
- (Exam Topic 13)
Which of the following is the BEST reason for the use of security metrics?

A. They ensure that the organization meets its security objectives.
B. They provide an appropriate framework for Information Technology (IT) governance.
C. They speed up the process of quantitative risk assessment.
D. They quantify the effectiveness of security processes.

Answer: B

NEW QUESTION 709
- (Exam Topic 13)
What can happen when an Intrusion Detection System (IDS) is installed inside a firewall-protected internal network?

A. The IDS can detect failed administrator logon attempts from servers.
B. The IDS can increase the number of packets to analyze.
C. The firewall can increase the number of packets to analyze.
D. The firewall can detect failed administrator login attempts from servers

Answer: A

NEW QUESTION 713
- (Exam Topic 13)
Mandatory Access Controls (MAC) are based on:

A. security classification and security clearance
B. data segmentation and data classification
C. data labels and user access permissions
D. user roles and data encryption

Answer: A

NEW QUESTION 716
- (Exam Topic 13)
The organization would like to deploy an authorization mechanism for an Information Technology (IT) infrastructure project with high employee turnover.
Which access control mechanism would be preferred?

A. Attribute Based Access Control (ABAC)
B. Discretionary Access Control (DAC)
C. Mandatory Access Control (MAC)
D. Role-Based Access Control (RBAC)

Answer: D

NEW QUESTION 721
- (Exam Topic 13)
Which of the following is a common characteristic of privacy?

A. Provision for maintaining an audit trail of access to the private data
B. Notice to the subject of the existence of a database containing relevant credit card data
C. Process for the subject to inspect and correct personal data on-site
D. Database requirements for integration of privacy data

Answer: A

NEW QUESTION 724
- (Exam Topic 13)
Which of the following is a responsibility of the information owner?

A. Ensure that users and personnel complete the required security training to access the Information System (IS)
B. Defining proper access to the Information System (IS), including privileges or access rights
C. Managing identification, implementation, and assessment of common security controls
D. Ensuring the Information System (IS) is operated according to agreed upon security requirements

Answer: C

NEW QUESTION 727
- (Exam Topic 13)
Match the name of access control model with its associated restriction.
Drag each access control model to its appropriate restriction access on the right.

Access Control Model		Restrictions
Mandatory Access Control		End user cannot set controls
Discretionary Access Control (DAC)		Subject has total control over objects
Role Based Access Control (RBAC)		Dynamically assigns permissions to particular duties based on job function
Rule based access control		Dynamically assigns roles to subjects based on criteria assigned by a custodian

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Access Control Model		Restrictions
Mandatory Access Control	Mandatory Access Control	End user cannot set controls
Discretionary Access Control (DAC)	Discretionary Access Control (DAC)	Subject has total control over objects
Role Based Access Control (RBAC)	Role Based Access Control (RBAC)	Dynamically assigns permissions to particular duties based on job function
Rule based access control	Rule based access control	Dynamically assigns roles to subjects based on criteria assigned by a custodian

NEW QUESTION 732
- (Exam Topic 13)
Proven application security principles include which of the following?

A. Minimizing attack surface area
B. Hardening the network perimeter
C. Accepting infrastructure security controls
D. Developing independent modules

Answer: A

NEW QUESTION 734
- (Exam Topic 13)
Which of the following is considered a secure coding practice?

A. Use concurrent access for shared variables and resources
B. Use checksums to verify the integrity of libraries
C. Use new code for common tasks
D. Use dynamic execution functions to pass user supplied data

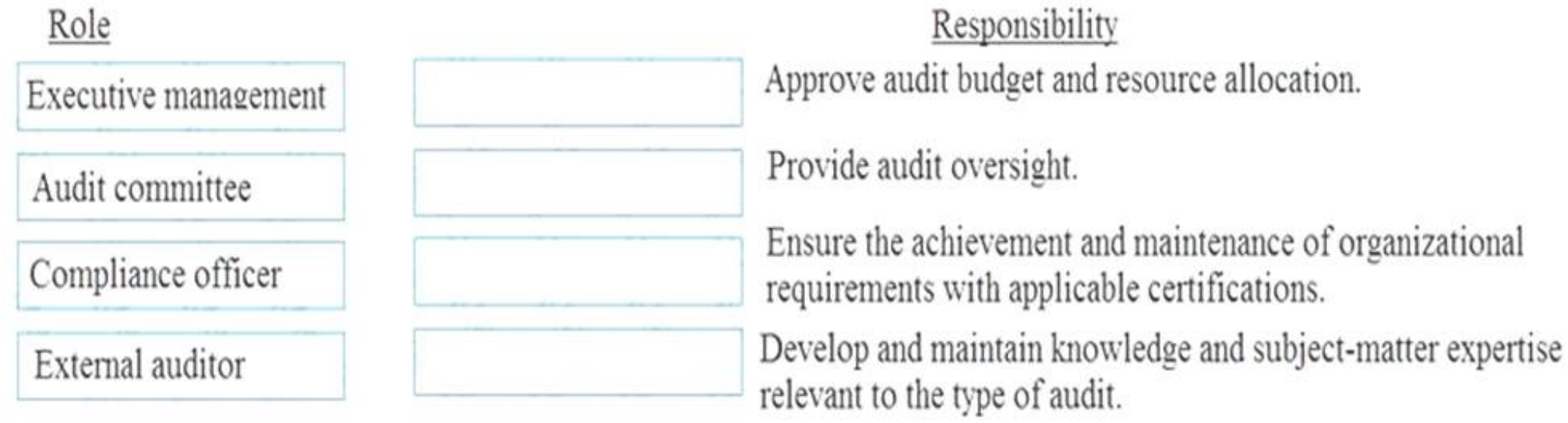
Answer: B

NEW QUESTION 737
- (Exam Topic 13)
Which type of test would an organization perform in order to locate and target exploitable defects?

A. Penetration
B. System
C. Performance
D. Vulnerability

Answer: A

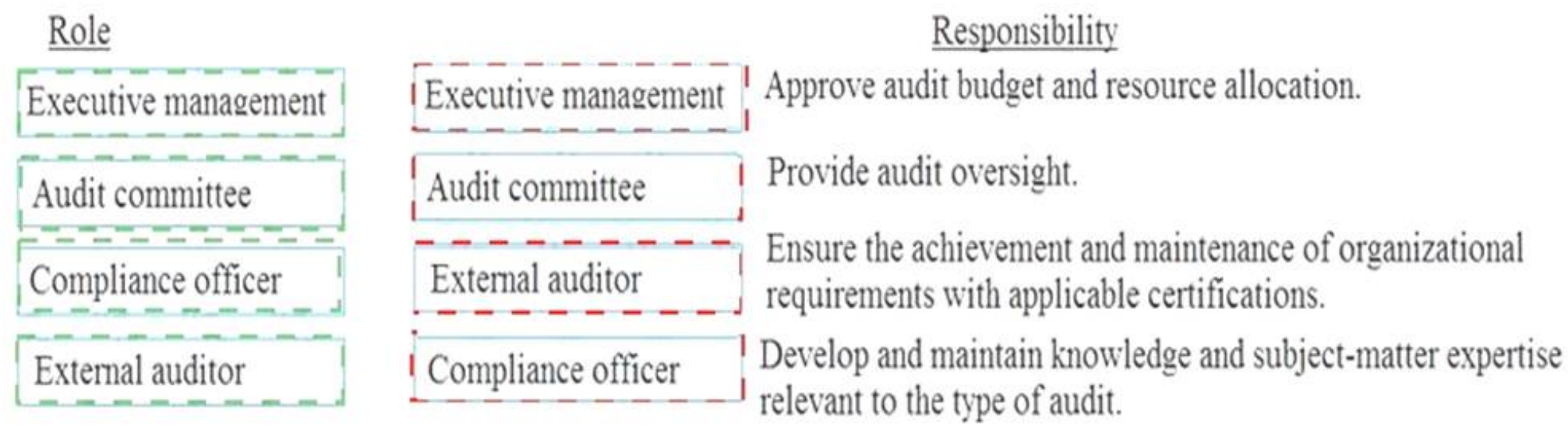
NEW QUESTION 739
- (Exam Topic 13)
Match the functional roles in an external audit to their responsibilities. Drag each role on the left to its corresponding responsibility on the right. Select and Place:



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 740
- (Exam Topic 13)
Which of the following is MOST appropriate for protecting confidentially of data stored on a hard drive?

A. Triple Data Encryption Standard (3DES)
B. Advanced Encryption Standard (AES)
C. Message Digest 5 (MD5)
D. Secure Hash Algorithm 2(SHA-2)

Answer: B

NEW QUESTION 744
- (Exam Topic 13)
Which of the following is the MOST challenging issue in apprehending cyber criminals?

A. They often use sophisticated method to commit a crime.
B. It is often hard to collect and maintain integrity of digital evidence.
C. The crime is often committed from a different jurisdiction.
D. There is often no physical evidence involved.

Answer: C

NEW QUESTION 745
- (Exam Topic 13)
An Information Technology (IT) professional attends a cybersecurity seminar on current incident response methodologies.
What code of ethics canon is being observed?

A. Provide diligent and competent service to principals
B. Protect society, the commonwealth, and the infrastructure
C. Advance and protect the profession
D. Act honorable, honesty, justly, responsibly, and legally

Answer: C

Explanation:
Section: Security Operations

NEW QUESTION 750
- (Exam Topic 13)
Which of the following entails identification of data and links to business processes, applications, and data stores as well as assignment of ownership responsibilities?

A. Security governance
B. Risk management
C. Security portfolio management
D. Risk assessment

Answer: B

NEW QUESTION 753
- (Exam Topic 13)
What MUST each information owner do when a system contains data from multiple information owners?

A. Provide input to the Information System (IS) owner regarding the security requirements of the data
B. Review the Security Assessment report (SAR) for the Information System (IS) and authorize the IS to operate.
C. Develop and maintain the System Security Plan (SSP) for the Information System (IS) containing the data
D. Move the data to an Information System (IS) that does not contain data owned by other information owners

Answer: C

Explanation:
Section: Security Assessment and Testing

NEW QUESTION 755
- (Exam Topic 13)
What is the foundation of cryptographic functions?

A. Encryption
B. Cipher
C. Hash
D. Entropy

Answer: A

NEW QUESTION 757
- (Exam Topic 13)
When network management is outsourced to third parties, which of the following is the MOST effective method of protecting critical data assets?

A. Log all activities associated with sensitive systems
B. Provide links to security policies
C. Confirm that confidentially agreements are signed
D. Employ strong access controls

Answer: D

NEW QUESTION 761
- (Exam Topic 13)
Which of the following mandates the amount and complexity of security controls applied to a security risk?

A. Security vulnerabilities
B. Risk tolerance
C. Risk mitigation
D. Security staff

Answer: C

NEW QUESTION 763
- (Exam Topic 13)
Who is accountable for the information within an Information System (IS)?

A. Security manager
B. System owner
C. Data owner
D. Data processor

Answer: B

Explanation:

Section: Security Operations

NEW QUESTION 768
- (Exam Topic 13)
Which Identity and Access Management (IAM) process can be used to maintain the principle of least privilege?

A. identity provisioning
B. access recovery
C. multi-factor authentication (MFA)
D. user access review

Answer: A

NEW QUESTION 773
- (Exam Topic 13)
A chemical plan wants to upgrade the Industrial Control System (ICS) to transmit data using Ethernet instead of RS422. The project manager wants to simplify administration and maintenance by utilizing the office network infrastructure and staff to implement this upgrade.
Which of the following is the GREATEST impact on security for the network?

A. The network administrators have no knowledge of ICS
B. The ICS is now accessible from the office network
C. The ICS does not support the office password policy
D. RS422 is more reliable than Ethernet

Answer: B

NEW QUESTION 775
- (Exam Topic 13)
Which of the following is a responsibility of a data steward?

A. Ensure alignment of the data governance effort to the organization.
B. Conduct data governance interviews with the organization.
C. Document data governance requirements.
D. Ensure that data decisions and impacts are communicated to the organization.

Answer: A

NEW QUESTION 778
- (Exam Topic 13)
Who has the PRIMARY responsibility to ensure that security objectives are aligned with organization goals?

A. Senior management
B. Information security department
C. Audit committee
D. All users

Answer: C

NEW QUESTION 780
- (Exam Topic 13)
Which of the following is the MOST appropriate action when reusing media that contains sensitive data?

A. Erase
B. Sanitize
C. Encrypt
D. Degauss

Answer: B

NEW QUESTION 781
- (Exam Topic 13)
Which of the following is the GREATEST benefit of implementing a Role Based Access Control (RBAC) system?

A. Integration using Lightweight Directory Access Protocol (LDAP)
B. Form-based user registration process
C. Integration with the organizations Human Resources (HR) system
D. A considerably simpler provisioning process

Answer: D

NEW QUESTION 786
- (Exam Topic 13)
Which of the following is the MOST important part of an awareness and training plan to prepare employees for emergency situations?

A. Having emergency contacts established for the general employee population to get information

B. Conducting business continuity and disaster recovery training for those who have a direct role in the recovery
C. Designing business continuity and disaster recovery training programs for different audiences
D. Publishing a corporate business continuity and disaster recovery plan on the corporate website

Answer: C

NEW QUESTION 789
- (Exam Topic 13)
In a High Availability (HA) environment, what is the PRIMARY goal of working with a virtual router address as the gateway to a network?

A. The second of two routers can periodically check in to make sure that the first router is operational.
B. The second of two routers can better absorb a Denial of Service (DoS) attack knowing the first router is present.
C. The first of two routers fails and is reinstalled, while the second handles the traffic flawlessly.
D. The first of two routers can better handle specific traffic, while the second handles the rest of the traffic seamlessly.

Answer: C

NEW QUESTION 793
- (Exam Topic 13)
Who would be the BEST person to approve an organizations information security policy?

A. Chief Information Officer (CIO)
B. Chief Information Security Officer (CISO)
C. Chief internal auditor
D. Chief Executive Officer (CEO)

Answer: B

Explanation:
Section: Security Operations

NEW QUESTION 797
- (Exam Topic 13)
Which of the following would BEST support effective testing of patch compatibility when patches are applied to an organization’s systems?

A. Standardized configurations for devices
B. Standardized patch testing equipment
C. Automated system patching
D. Management support for patching

Answer: A

Explanation:
Section: Security Assessment and Testing

NEW QUESTION 798
- (Exam Topic 13)
Access to which of the following is required to validate web session management?

A. Log timestamp
B. Live session traffic
C. Session state variables
D. Test scripts

Answer: C

NEW QUESTION 802
- (Exam Topic 13)
“Stateful” differs from “Static” packet filtering firewalls by being aware of which of the following?

A. Difference between a new and an established connection
B. Originating network location
C. Difference between a malicious and a benign packet payload
D. Originating application session

Answer: A

NEW QUESTION 807
- (Exam Topic 13)
The security accreditation task of the System Development Life Cycle (SDLC) process is completed at the end of which phase?

A. System acquisition and development
B. System operations and maintenance
C. System initiation
D. System implementation

Answer: B

NEW QUESTION 809
- (Exam Topic 13)
Which of the following is a common feature of an Identity as a Service (IDaaS) solution?

A. Single Sign-On (SSO) authentication support
B. Privileged user authentication support
C. Password reset service support
D. Terminal Access Controller Access Control System (TACACS) authentication support

Answer: A

NEW QUESTION 810
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