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)
Which of the following actions will reduce risk to a laptop before traveling to a high risk area?

A. Examine the device for physical tampering
B. Implement more stringent baseline configurations
C. Purge or re-image the hard disk drive
D. Change access codes

Answer: D

NEW QUESTION 3
- (Exam Topic 1)
Which of the following types of technologies would be the MOST cost-effective method to provide a reactive control for protecting personnel in public areas?

A. Install mantraps at the building entrances
B. Enclose the personnel entry area with polycarbonate plastic
C. Supply a duress alarm for personnel exposed to the public
D. Hire a guard to protect the public area

Answer: D

NEW QUESTION 4
- (Exam Topic 2)
In a data classification scheme, the data is owned by the

A. system security managers
B. business managers
C. Information Technology (IT) managers
D. end users

Answer: B

NEW QUESTION 5
- (Exam Topic 3)
Which security service is served by the process of encryption plaintext with the sender’s private key and decrypting cipher text with the sender’s public key?

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

Answer: A

NEW QUESTION 6
- (Exam Topic 3)
Which component of the Security Content Automation Protocol (SCAP) specification contains the data required to estimate the severity of vulnerabilities identified automated vulnerability assessments?

A. Common Vulnerabilities and Exposures (CVE)
B. Common Vulnerability Scoring System (CVSS)
C. Asset Reporting Format (ARF)
D. Open Vulnerability and Assessment Language (OVAL)

Answer: B

NEW QUESTION 7
- (Exam Topic 3)
Which technique can be used to make an encryption scheme more resistant to a known plaintext attack?

A. Hashing the data before encryption
B. Hashing the data after encryption
C. Compressing the data after encryption
D. Compressing the data before encryption

Answer: A

NEW QUESTION 8
- (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 9
- (Exam Topic 4)
An external attacker has compromised an organization's network security perimeter and installed a sniffer onto an inside computer. Which of the following is the MOST effective layer of security the organization could have implemented to mitigate the attacker's ability to gain further information?

A. Implement packet filtering on the network firewalls
B. Install Host Based Intrusion Detection Systems (HIDS)
C. Require strong authentication for administrators
D. Implement logical network segmentation at the switches

Answer: D

NEW QUESTION 10
- (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 10
- (Exam Topic 4)
In a Transmission Control Protocol/Internet Protocol (TCP/IP) stack, which layer is responsible for negotiating and establishing a connection with another node?

A. Transport layer
B. Application layer
C. Network layer
D. Session layer

Answer: A

NEW QUESTION 15
- (Exam Topic 5)
Which of the following BEST describes an access control method utilizing cryptographic keys derived from a smart card private key that is embedded within mobile devices?

A. Derived credential
B. Temporary security credential
C. Mobile device credentialing service
D. Digest authentication

Answer: A

NEW QUESTION 17
- (Exam Topic 6)
Which of the following is a PRIMARY benefit of using a formalized security testing report format and structure?

A. Executive audiences will understand the outcomes of testing and most appropriate next steps for corrective actions to be taken
B. Technical teams will understand the testing objectives, testing strategies applied, and business risk associated with each vulnerability
C. Management teams will understand the testing objectives and reputational risk to the organization
D. Technical and management teams will better understand the testing objectives, results of each test phase, and potential impact levels

Answer: D

NEW QUESTION 21
- (Exam Topic 6)
In which of the following programs is it MOST important to include the collection of security process data?

A. Quarterly access reviews

B. Security continuous monitoring
C. Business continuity testing
D. Annual security training

Answer: A

NEW QUESTION 25
- (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 29
- (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 33
- (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 34
- (Exam Topic 7)
What is the PRIMARY reason for implementing change management?

A. Certify and approve releases to the environment
B. Provide version rollbacks for system changes
C. Ensure that all applications are approved
D. Ensure accountability for changes to the environment

Answer: D

NEW QUESTION 38
- (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 42
- (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 45

- (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 47
- (Exam Topic 9)
What is the FIRST step in developing a security test and its evaluation?

A. Determine testing methods
B. Develop testing procedures
C. Identify all applicable security requirements
D. Identify people, processes, and products not in compliance

Answer: C

NEW QUESTION 51
- (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 54
- (Exam Topic 9)
Which of the following MUST be part of a contract to support electronic discovery of data stored in a cloud environment?

A. Integration with organizational directory services for authentication
B. Tokenization of data
C. Accommodation of hybrid deployment models
D. Identification of data location

Answer: D

NEW QUESTION 57
- (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 58
- (Exam Topic 9)
A vulnerability test on an Information System (IS) is conducted to

A. exploit security weaknesses in the IS.
B. measure system performance on systems with weak security controls.
C. evaluate the effectiveness of security controls.
D. prepare for Disaster Recovery (DR) planning.

Answer: C

NEW QUESTION 60
- (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 63
- (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 66
- (Exam Topic 9)
Which of the following is a physical security control that protects Automated Teller Machines (ATM) from skimming?

A. Anti-tampering
B. Secure card reader
C. Radio Frequency (RF) scanner
D. Intrusion Prevention System (IPS)

Answer: A

NEW QUESTION 70
- (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 74
- (Exam Topic 9)
An internal Service Level Agreement (SLA) covering security is signed by senior managers and is in place. When should compliance to the SLA be reviewed to ensure that a good security posture is being delivered?

A. As part of the SLA renewal process
B. Prior to a planned security audit
C. Immediately after a security breach
D. At regularly scheduled meetings

Answer: D

NEW QUESTION 78
- (Exam Topic 9)
Which one of the following transmission media is MOST effective in preventing data interception?

A. Microwave
B. Twisted-pair
C. Fiber optic
D. Coaxial cable

Answer: C

NEW QUESTION 79
- (Exam Topic 9)
What is the term commonly used to refer to a technique of authenticating one machine to another by forging packets from a trusted source?

A. Man-in-the-Middle (MITM) attack
B. Smurfing
C. Session redirect
D. Spoofing

Answer: D

NEW QUESTION 83
- (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 84
- (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 88
- (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 93
- (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 95
- (Exam Topic 9)
Which of the following is an attacker MOST likely to target to gain privileged access to a system?

A. Programs that write to system resources
B. Programs that write to user directories
C. Log files containing sensitive information
D. Log files containing system calls

Answer: A

NEW QUESTION 100
- (Exam Topic 9)
Which of the following is an authentication protocol in which a new random number is generated uniquely for each login session?

A. Challenge Handshake Authentication Protocol (CHAP)
B. Point-to-Point Protocol (PPP)
C. Extensible Authentication Protocol (EAP)
D. Password Authentication Protocol (PAP)

Answer: A

NEW QUESTION 102
- (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 103
- (Exam Topic 9)
What security management control is MOST often broken by collusion?

A. Job rotation
B. Separation of duties
C. Least privilege model
D. Increased monitoring

Answer: B

NEW QUESTION 105
- (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 107
- (Exam Topic 9)
An organization is selecting a service provider to assist in the consolidation of multiple computing sites including development, implementation and ongoing support of various computer systems. Which of the following MUST be verified by the Information Security Department?

A. The service provider's policies are consistent with ISO/IEC27001 and there is evidence that the service provider is following those policies.
B. The service provider will segregate the data within its systems and ensure that each region's policies are met.
C. The service provider will impose controls and protections that meet or exceed the current systemscontrols and produce audit logs as verification.
D. The service provider's policies can meet the requirements imposed by the new environment even if they differ from the organization's current policies.

Answer: D

NEW QUESTION 108
- (Exam Topic 9)
Which of the following is a security feature of Global Systems for Mobile Communications (GSM)?

A. It uses a Subscriber Identity Module (SIM) for authentication.
B. It uses encrypting techniques for all communications.
C. The radio spectrum is divided with multiple frequency carriers.
D. The signal is difficult to read as it provides end-to-end encryption.

Answer: A

NEW QUESTION 113
- (Exam Topic 9)
Which of the following assessment metrics is BEST used to understand a system's vulnerability to potential exploits?

A. Determining the probability that the system functions safely during any time period
B. Quantifying the system's available services
C. Identifying the number of security flaws within the system
D. Measuring the system's integrity in the presence of failure

Answer: C

NEW QUESTION 115
- (Exam Topic 9)
Which of the following methods protects Personally Identifiable Information (PII) by use of a full replacement of the data element?

A. Transparent Database Encryption (TDE)
B. Column level database encryption
C. Volume encryption
D. Data tokenization

Answer: D

NEW QUESTION 120
- (Exam Topic 9)
An auditor carrying out a compliance audit requests passwords that are encrypted in the system to verify that the passwords are compliant with policy. Which of the following is the BEST response to the auditor?

A. Provide the encrypted passwords and analysis tools to the auditor for analysis.
B. Analyze the encrypted passwords for the auditor and show them the results.
C. Demonstrate that non-compliant passwords cannot be created in the system.
D. Demonstrate that non-compliant passwords cannot be encrypted in the system.

Answer: C

NEW QUESTION 121

- (Exam Topic 9)
Which of the following statements is TRUE for point-to-point microwave transmissions?

A. They are not subject to interception due to encryption.
B. Interception only depends on signal strength.
C. They are too highly multiplexed for meaningful interception.
D. They are subject to interception by an antenna within proximity.

Answer: D

NEW QUESTION 122
- (Exam Topic 9)
The FIRST step in building a firewall is to

A. assign the roles and responsibilities of the firewall administrators.
B. define the intended audience who will read the firewall policy.
C. identify mechanisms to encourage compliance with the policy.
D. perform a risk analysis to identify issues to be addressed.

Answer: D

NEW QUESTION 124
- (Exam Topic 9)
Which of the following is TRUE about Disaster Recovery Plan (DRP) testing?

A. Operational networks are usually shut down during testing.
B. Testing should continue even if components of the test fail.
C. The company is fully prepared for a disaster if all tests pass.
D. Testing should not be done until the entire disaster plan can be tested.

Answer: B

NEW QUESTION 129
- (Exam Topic 9)
Which one of the following describes granularity?

A. Maximum number of entries available in an Access Control List (ACL)
B. Fineness to which a trusted system can authenticate users
C. Number of violations divided by the number of total accesses
D. Fineness to which an access control system can be adjusted

Answer: D

NEW QUESTION 131
- (Exam Topic 9)
What would be the PRIMARY concern when designing and coordinating a security assessment for an Automatic Teller Machine (ATM) system?

A. Physical access to the electronic hardware
B. Regularly scheduled maintenance process
C. Availability of the network connection
D. Processing delays

Answer: A

NEW QUESTION 132
- (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 134
- (Exam Topic 9)
An external attacker has compromised an organization's network security perimeter and installed a sniffer onto an inside computer. Which of the following is the MOST effective layer of security the organization could have implemented to mitigate the attacker's ability to gain further information?

A. Implement packet filtering on the network firewalls
B. Require strong authentication for administrators
C. Install Host Based Intrusion Detection Systems (HIDS)
D. Implement logical network segmentation at the switches

Answer: D

NEW QUESTION 139
- (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 144
- (Exam Topic 9)
Which of the following can BEST prevent security flaws occurring in outsourced software development?

A. Contractual requirements for code quality
B. Licensing, code ownership and intellectual property rights
C. Certification of the quality and accuracy of the work done
D. Delivery dates, change management control and budgetary control

Answer: C

NEW QUESTION 147
- (Exam Topic 9)
The birthday attack is MOST effective against which one of the following cipher technologies?

A. Chaining block encryption
B. Asymmetric cryptography
C. Cryptographic hash
D. Streaming cryptography

Answer: C

NEW QUESTION 148
- (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 150
- (Exam Topic 9)
What is an effective practice when returning electronic storage media to third parties for repair?

A. Ensuring the media is not labeled in any way that indicates the organization's name.
B. Disassembling the media and removing parts that may contain sensitive datA.
C. Physically breaking parts of the media that may contain sensitive datA.
D. Establishing a contract with the third party regarding the secure handling of the mediA.

Answer: D

NEW QUESTION 155
- (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 159
- (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 163
- (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 164
- (Exam Topic 9)
Which of the following is a network intrusion detection technique?

A. Statistical anomaly
B. Perimeter intrusion
C. Port scanning
D. Network spoofing

Answer: A

NEW QUESTION 167
- (Exam Topic 9)
What is the ultimate objective of information classification?

A. To assign responsibility for mitigating the risk to vulnerable systems
B. To ensure that information assets receive an appropriate level of protection
C. To recognize that the value of any item of information may change over time
D. To recognize the optimal number of classification categories and the benefits to be gained from their use

Answer: B

NEW QUESTION 169
- (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 171
- (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 174
- (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 176
- (Exam Topic 9)
What is the MOST important purpose of testing the Disaster Recovery Plan (DRP)?

A. Evaluating the efficiency of the plan
B. Identifying the benchmark required for restoration
C. Validating the effectiveness of the plan
D. Determining the Recovery Time Objective (RTO)

Answer:

C

NEW QUESTION 178
- (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 183
- (Exam Topic 9)
An engineer in a software company has created a virus creation tool. The tool can generate thousands of polymorphic viruses. The engineer is planning to use the tool in a controlled environment to test the company's next generation virus scanning software. Which would BEST describe the behavior of the engineer and why?

A. The behavior is ethical because the tool will be used to create a better virus scanner.
B. The behavior is ethical because any experienced programmer could create such a tool.
C. The behavior is not ethical because creating any kind of virus is bad.
D. The behavior is not ethical because such a tool could be leaked on the Internet.

Answer: A

NEW QUESTION 188
- (Exam Topic 9)
Which of the following Disaster Recovery (DR) sites is the MOST difficult to test?

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

Answer: B

NEW QUESTION 193
- (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 195
- (Exam Topic 9)
Two companies wish to share electronic inventory and purchase orders in a supplier and client relationship. What is the BEST security solution for them?

A. Write a Service Level Agreement (SLA) for the two companies.
B. Set up a Virtual Private Network (VPN) between the two companies.
C. Configure a firewall at the perimeter of each of the two companies.
D. Establish a File Transfer Protocol (FTP) connection between the two companies.

Answer: B

NEW QUESTION 200
- (Exam Topic 9)
Which Hyper Text Markup Language 5 (HTML5) option presents a security challenge for network data leakage prevention and/or monitoring?

A. Cross Origin Resource Sharing (CORS)
B. WebSockets
C. Document Object Model (DOM) trees
D. Web Interface Definition Language (IDL)

Answer: B

NEW QUESTION 205
- (Exam Topic 9)
At a MINIMUM, a formal review of any Disaster Recovery Plan (DRP) should be conducted

A. monthly.
B. quarterly.
C. annually.

D. bi-annually.

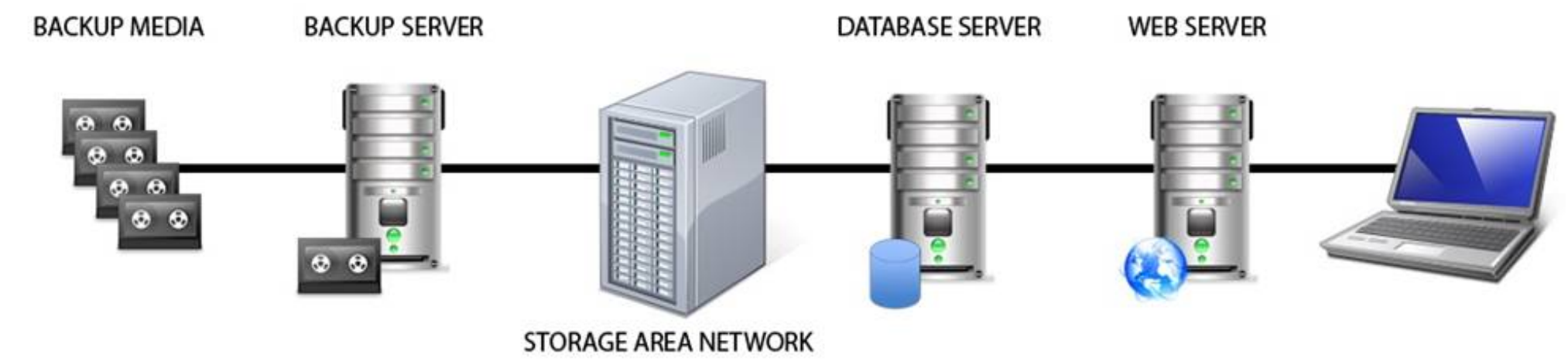
Answer: C

NEW QUESTION 206
- (Exam Topic 10)
Which of the following is a process within a Systems Engineering Life Cycle (SELC) stage?

A. Requirements Analysis
B. Development and Deployment
C. Production Operations
D. Utilization Support

Answer: A

NEW QUESTION 207
- (Exam Topic 10)
Identify the component that MOST likely lacks digital accountability related to information access. Click on the correct device in the image below.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Backup Media
Reference: Official (ISC)2 Guide to the CISSP CBK, Third Edition page 1029

NEW QUESTION 210
- (Exam Topic 10)
Refer to the information below to answer the question.
A large, multinational organization has decided to outsource a portion of their Information Technology (IT) organization to a third-party provider's facility. This provider will be responsible for the design, development, testing, and support of several critical, customer-based applications used by the organization.
The organization should ensure that the third party's physical security controls are in place so that they

A. are more rigorous than the original controls.
B. are able to limit access to sensitive information.
C. allow access by the organization staff at any time.
D. cannot be accessed by subcontractors of the third party.

Answer: B

NEW QUESTION 214
- (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 219
- (Exam Topic 10)
Which of the following is the BEST reason to review audit logs periodically?

A. Verify they are operating properly
B. Monitor employee productivity
C. Identify anomalies in use patterns
D. Meet compliance regulations

Answer: C

NEW QUESTION 223
- (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 227
- (Exam Topic 10)
When dealing with compliance with the Payment Card Industry-Data Security Standard (PCI-DSS), an organization that shares card holder information with a service provider MUST do which of the following?

A. Perform a service provider PCI-DSS assessment on a yearly basis.
B. Validate the service provider's PCI-DSS compliance status on a regular basis.
C. Validate that the service providers security policies are in alignment with those of the organization.
D. Ensure that the service provider updates and tests its Disaster Recovery Plan (DRP) on a yearly basis.

Answer: B

NEW QUESTION 231
- (Exam Topic 10)
Which of the following MOST influences the design of the organization's electronic monitoring policies?

A. Workplace privacy laws
B. Level of organizational trust
C. Results of background checks
D. Business ethical considerations

Answer: A

NEW QUESTION 233
- (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 238
- (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 243
- (Exam Topic 10)
Refer to the information below to answer the question.
During the investigation of a security incident, it is determined that an unauthorized individual accessed a system which hosts a database containing financial information.
If it is discovered that large quantities of information have been copied by the unauthorized individual, what attribute of the data has been compromised?

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

Answer: D

NEW QUESTION 247
- (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 addition to web browsers, what PRIMARY areas need to be addressed concerning mobile code used for malicious purposes?

A. Text editors, database, and Internet phone applications
B. Email, presentation, and database applications
C. Image libraries, presentation and spreadsheet applications
D. Email, media players, and instant messaging applications

Answer: D

NEW QUESTION 248
- (Exam Topic 10)
According to best practice, which of the following is required when implementing third party software in a production environment?

A. Scan the application for vulnerabilities
B. Contract the vendor for patching
C. Negotiate end user application training
D. Escrow a copy of the software

Answer: A

NEW QUESTION 249
- (Exam Topic 10)
Which item below is a federated identity standard?

A. 802.11i
B. Kerberos
C. Lightweight Directory Access Protocol (LDAP)
D. Security Assertion Markup Language (SAML)

Answer: D

NEW QUESTION 253
- (Exam Topic 10)
Which of the following is the MOST difficult to enforce when using cloud computing?

A. Data access
B. Data backup
C. Data recovery
D. Data disposal

Answer: D

NEW QUESTION 257
- (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 261
- (Exam Topic 10)
Refer to the information below to answer the question.
A large, multinational organization has decided to outsource a portion of their Information Technology (IT) organization to a third-party provider's facility. This provider will be responsible for the design, development, testing, and support of several critical, customer-based applications used by the organization.
The third party needs to have

A. processes that are identical to that of the organization doing the outsourcing.
B. access to the original personnel that were on staff at the organization.
C. the ability to maintain all of the applications in languages they are familiar with.
D. access to the skill sets consistent with the programming languages used by the organization.

Answer: D

NEW QUESTION 262
- (Exam Topic 10)
A security manager has noticed an inconsistent application of server security controls resulting in vulnerabilities on critical systems. What is the MOST likely cause of this issue?

A. A lack of baseline standards
B. Improper documentation of security guidelines
C. A poorly designed security policy communication program
D. Host-based Intrusion Prevention System (HIPS) policies are ineffective

Answer: A

NEW QUESTION 265
- (Exam Topic 10)
Refer to the information below to answer the question.
During the investigation of a security incident, it is determined that an unauthorized individual accessed a system which hosts a database containing financial information.
If the intrusion causes the system processes to hang, which of the following has been affected?

A. System integrity
B. System availability
C. System confidentiality
D. System auditability

Answer: B

NEW QUESTION 270
- (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 documents explains the proper use of the organization's assets?

A. Human resources policy
B. Acceptable use policy
C. Code of ethics
D. Access control policy

Answer: B

NEW QUESTION 273
- (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 274
- (Exam Topic 10)
Which of the following actions MUST be taken if a vulnerability is discovered during the maintenance stage in a System Development Life Cycle (SDLC)?

A. Make changes following principle and design guidelines.
B. Stop the application until the vulnerability is fixed.
C. Report the vulnerability to product owner.
D. Monitor the application and review code.

Answer: C

NEW QUESTION 279
- (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.
Which of the following will indicate where the IT budget is BEST allocated during this time?

A. Policies
B. Frameworks
C. Metrics
D. Guidelines

Answer: C

NEW QUESTION 280
- (Exam Topic 10)
During the procurement of a new information system, it was determined that some of the security requirements were not addressed in the system specification.
Which of the following is the MOST likely reason for this?

A. The procurement officer lacks technical knowledge.
B. The security requirements have changed during the procurement process.
C. There were no security professionals in the vendor's bidding team.
D. The description of the security requirements was insufficient.

Answer: D

NEW QUESTION 283
- (Exam Topic 10)
When implementing a secure wireless network, which of the following supports authentication and authorization for individual client endpoints?

A. Temporal Key Integrity Protocol (TKIP)
B. Wi-Fi Protected Access (WPA) Pre-Shared Key (PSK)
C. Wi-Fi Protected Access 2 (WPA2) Enterprise
D. Counter Mode with Cipher Block Chaining Message Authentication Code Protocol (CCMP)

Answer: C

NEW QUESTION 285
- (Exam Topic 10)
When is security personnel involvement in the Systems Development Life Cycle (SDLC) process MOST beneficial?

A. Testing phase
B. Development phase
C. Requirements definition phase
D. Operations and maintenance phase

Answer: C

NEW QUESTION 286
- (Exam Topic 10)
Which of the following is a BEST practice when traveling internationally with laptops containing Personally Identifiable Information (PII)?

A. Use a thumb drive to transfer information from a foreign computer.
B. Do not take unnecessary information, including sensitive information.
C. Connect the laptop only to well-known networks like the hotel or public Internet cafes.
D. Request international points of contact help scan the laptop on arrival to ensure it is protected.

Answer: B

NEW QUESTION 288
- (Exam Topic 10)
Which of the following is the MOST crucial for a successful audit plan?

A. Defining the scope of the audit to be performed
B. Identifying the security controls to be implemented
C. Working with the system owner on new controls
D. Acquiring evidence of systems that are not compliant

Answer: A

NEW QUESTION 289
- (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.
Which of the following BEST describes the access control methodology used?

A. Least privilege
B. Lattice Based Access Control (LBAC)
C. Role Based Access Control (RBAC)
D. Lightweight Directory Access Control (LDAP)

Answer: C

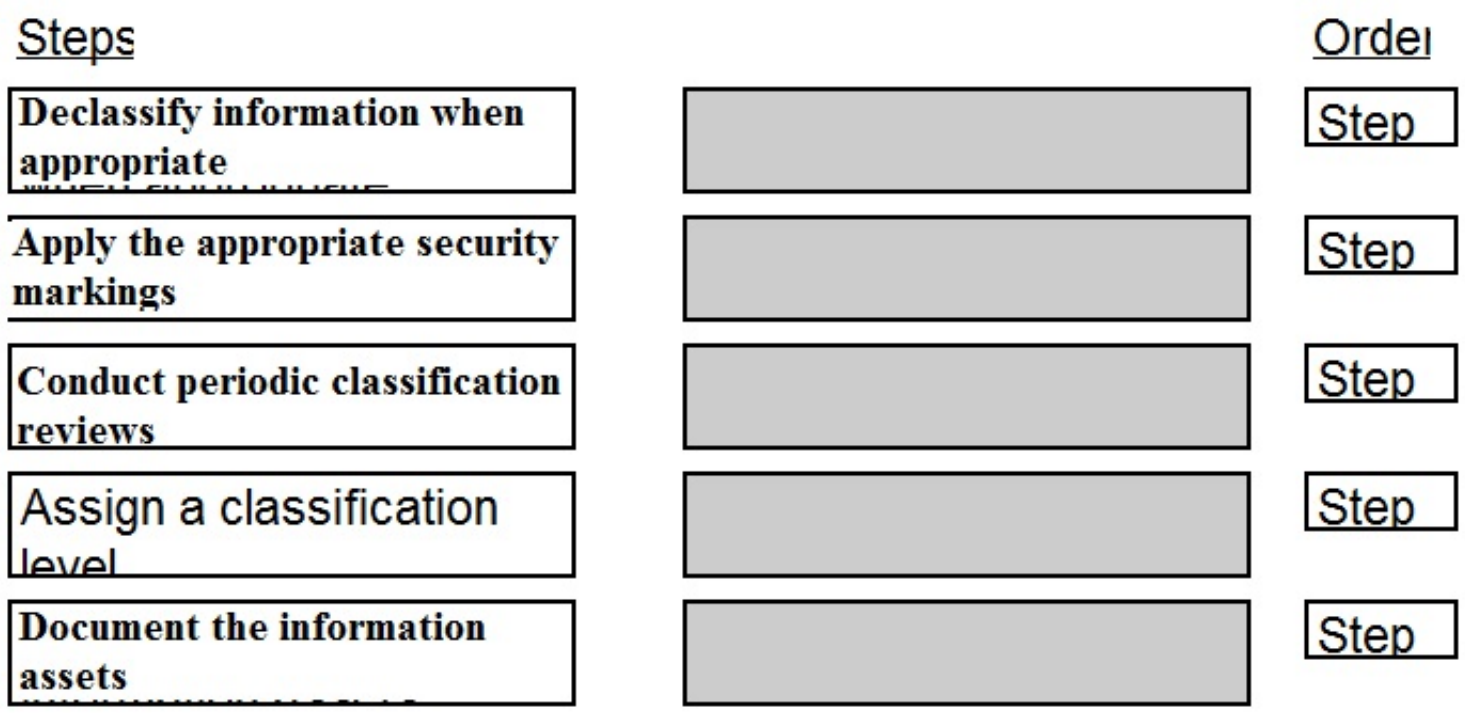
NEW QUESTION 293
- (Exam Topic 10)
Host-Based Intrusion Protection (HIPS) systems are often deployed in monitoring or learning mode during their initial implementation. What is the objective of starting in this mode?

A. Automatically create exceptions for specific actions or files
B. Determine which files are unsafe to access and blacklist them
C. Automatically whitelist actions or files known to the system
D. Build a baseline of normal or safe system events for review

Answer: D

NEW QUESTION 297
- (Exam Topic 10)

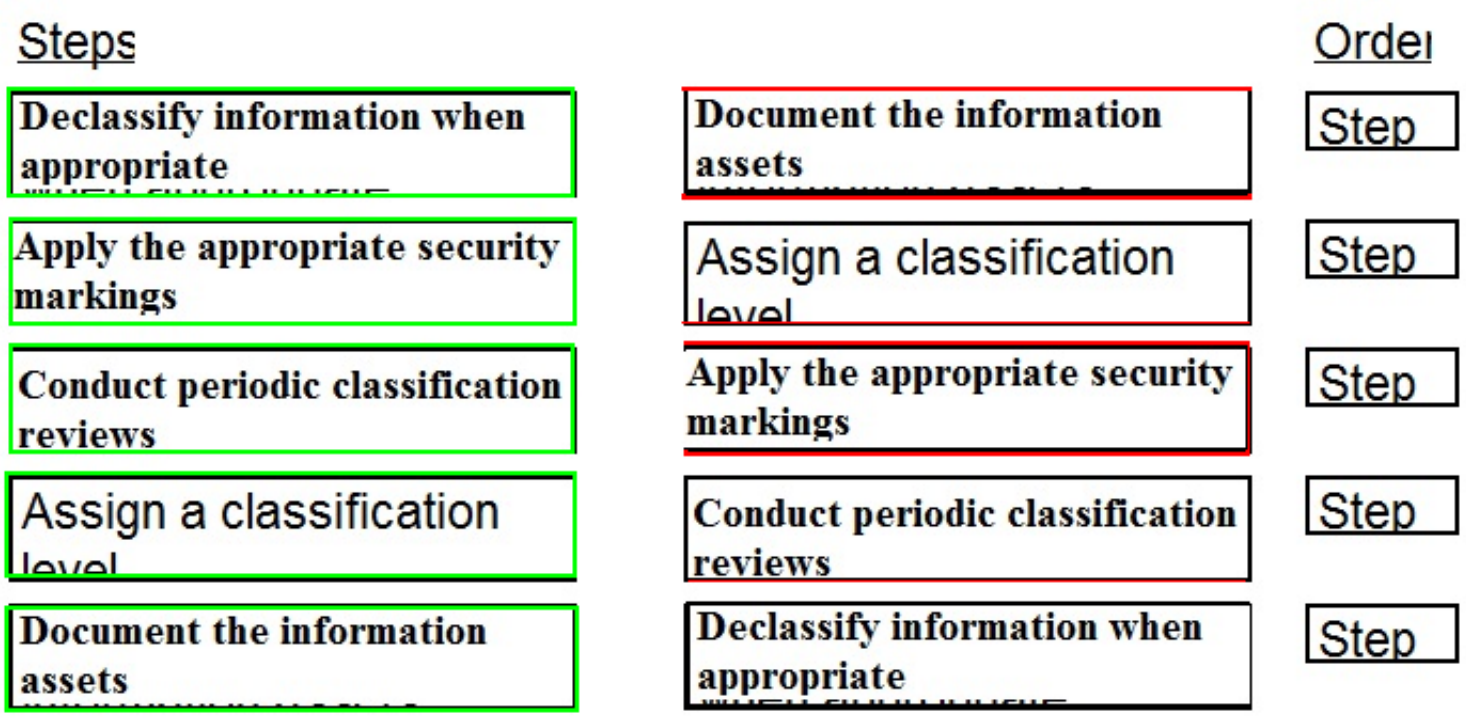
Place the following information classification steps in sequential order.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 302
- (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 307
- (Exam Topic 10)
The use of proximity card to gain access to a building is an example of what type of security control?

A. Legal
B. Logical
C. Physical
D. Procedural

Answer: C

NEW QUESTION 311
- (Exam Topic 10)
The amount of data that will be collected during an audit is PRIMARILY determined by the

A. audit scope.
B. auditor's experience level.
C. availability of the datA.
D. integrity of the datA.

Answer: A

NEW QUESTION 312
- (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 317
- (Exam Topic 10)
An organization decides to implement a partial Public Key Infrastructure (PKI) with only the servers having digital certificates. What is the security benefit of this implementation?

A. Clients can authenticate themselves to the servers.
B. Mutual authentication is available between the clients and servers.
C. Servers are able to issue digital certificates to the client.
D. Servers can authenticate themselves to the client.

Answer: D

NEW QUESTION 319
- (Exam Topic 10)
Without proper signal protection, embedded systems may be prone to which type of attack?

A. Brute force
B. Tampering
C. Information disclosure
D. Denial of Service (DoS)

Answer: C

NEW QUESTION 320
- (Exam Topic 10)
Which of the following is the BEST way to determine if a particular system is able to identify malicious software without executing it?

A. Testing with a Botnet
B. Testing with an EICAR file
C. Executing a binary shellcode
D. Run multiple antivirus programs

Answer: B

NEW QUESTION 321
- (Exam Topic 10)
A thorough review of an organization's audit logs finds that a disgruntled network administrator has intercepted emails meant for the Chief Executive Officer (CEO) and changed them before forwarding them to their intended recipient. What type of attack has MOST likely occurred?

A. Spoofing
B. Eavesdropping
C. Man-in-the-middle
D. Denial of service

Answer: C

NEW QUESTION 322
- (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 324
- (Exam Topic 10)
Which of the following is the BEST countermeasure to brute force login attacks?

A. Changing all canonical passwords
B. Decreasing the number of concurrent user sessions
C. Restricting initial password delivery only in person
D. Introducing a delay after failed system access attempts

Answer: D

NEW QUESTION 326
- (Exam Topic 10)
Refer to the information below to answer the question.
Desktop computers in an organization were sanitized for re-use in an equivalent security environment. The data was destroyed in accordance with organizational policy and all marking and other external indications of the sensitivity of the data that was formerly stored on the magnetic drives were removed.
Organizational policy requires the deletion of user data from Personal Digital Assistant (PDA) devices before disposal. It may not be possible to delete the user data if the device is malfunctioning. Which destruction method below provides the BEST assurance that the data has been removed?

A. Knurling
B. Grinding
C. Shredding
D. Degaussing

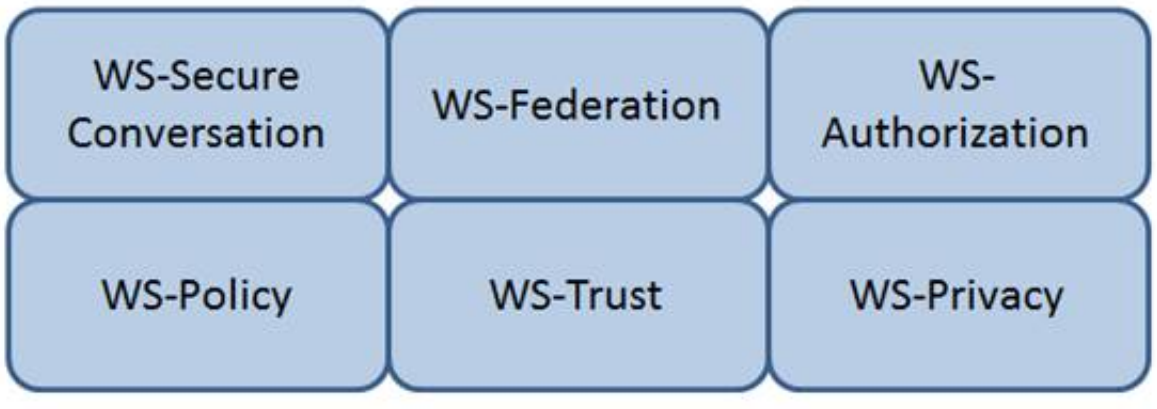
Answer: C

NEW QUESTION 328
- (Exam Topic 11)
What is the process called when impact values are assigned to the security objectives for information types?

A. Qualitative analysis
B. Quantitative analysis
C. Remediation
D. System security categorization

Answer: D

NEW QUESTION 330
- (Exam Topic 11)
Which Web Services Security (WS-Security) specification handles the management of security tokens and the underlying policies for granting access? Click on the correct specification in the image below.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
WS-Authorization
Reference: Java Web Services: Up and Running" By Martin Kalin page 228

NEW QUESTION 333
- (Exam Topic 11)
A security professional has been asked to evaluate the options for the location of a new data center within a multifloor building. Concerns for the data center include emanations and physical access controls.
Which of the following is the BEST location?

A. On the top floor
B. In the basement
C. In the core of the building
D. In an exterior room with windows

Answer: C

NEW QUESTION 335
- (Exam Topic 11)
Which of the following statements is TRUE regarding state-based analysis as a functional software testing technique?

A. It is useful for testing communications protocols and graphical user interfaces.
B. It is characterized by the stateless behavior of a process implemented in a function.
C. Test inputs are obtained from the derived boundaries of the given functional specifications.
D. An entire partition can be covered by considering only one representative value from that partition.

Answer: A

NEW QUESTION 337
- (Exam Topic 11)
Data remanence refers to which of the following?

A. The remaining photons left in a fiber optic cable after a secure transmission.
B. The retention period required by law or regulation.
C. The magnetic flux created when removing the network connection from a server or personal computer.
D. The residual information left on magnetic storage media after a deletion or erasure.

Answer: D

NEW QUESTION 340
- (Exam Topic 11)
Which of the following is the BEST approach to take in order to effectively incorporate the concepts of business continuity into the organization?

A. Ensure end users are aware of the planning activities
B. Validate all regulatory requirements are known and fully documented
C. Develop training and awareness programs that involve all stakeholders
D. Ensure plans do not violate the organization's cultural objectives and goals

Answer: C

NEW QUESTION 344
- (Exam Topic 11)
If compromised, which of the following would lead to the exploitation of multiple virtual machines?

A. Virtual device drivers
B. Virtual machine monitor
C. Virtual machine instance
D. Virtual machine file system

Answer: B

NEW QUESTION 345
- (Exam Topic 11)
A mobile device application that restricts the storage of user information to just that which is needed to accomplish lawful business goals adheres to what privacy principle?

A. Onward transfer
B. Collection Limitation
C. Collector Accountability
D. Individual Participation

Answer:

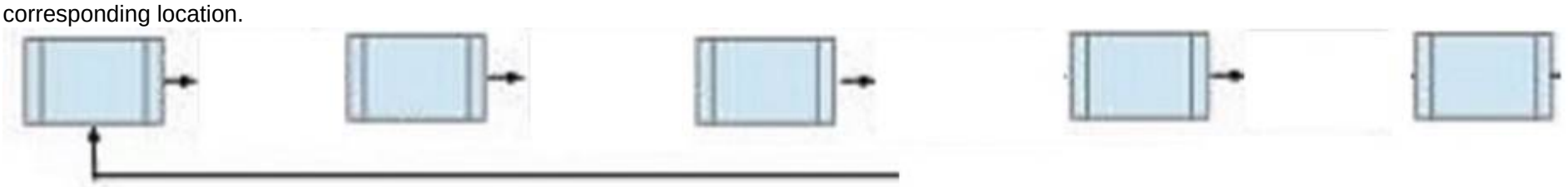
B

NEW QUESTION 346
- (Exam Topic 11)
How does an organization verify that an information system's current hardware and software match the standard system configuration?

A. By reviewing the configuration after the system goes into production
B. By running vulnerability scanning tools on all devices in the environment
C. By comparing the actual configuration of the system against the baseline
D. By verifying all the approved security patches are implemented

Answer: C

NEW QUESTION 347
- (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 350
- (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 354
- (Exam Topic 11)
Which of the following is the MOST likely cause of a non-malicious data breach when the source of the data breach was an un-marked file cabinet containing sensitive documents?

A. Ineffective data classification
B. Lack of data access controls
C. Ineffective identity management controls
D. Lack of Data Loss Prevention (DLP) tools

Answer: A

NEW QUESTION 355
- (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 359
- (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 360
- (Exam Topic 11)
The World Trade Organization's (WTO) agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS) requires authors of computer software to be given the

A. right to refuse or permit commercial rentals.
B. right to disguise the software's geographic origin.
C. ability to tailor security parameters based on location.
D. ability to confirm license authenticity of their works.

Answer: A

NEW QUESTION 362
- (Exam Topic 11)
When planning a penetration test, the tester will be MOST interested in which information?

A. Places to install back doors
B. The main network access points
C. Job application handouts and tours
D. Exploits that can attack weaknesses

Answer: B

NEW QUESTION 367
- (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 371
- (Exam Topic 11)
Which of the following is an essential step before performing Structured Query Language (SQL) penetration tests on a production system?

A. Verify countermeasures have been deactivated.
B. Ensure firewall logging has been activated.
C. Validate target systems have been backed up.
D. Confirm warm site is ready to accept connections.

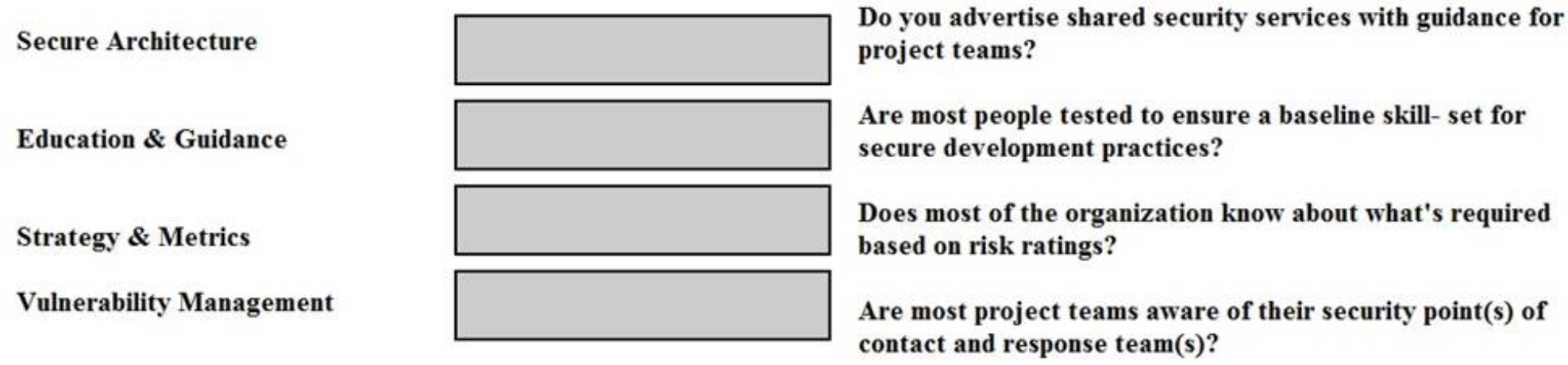
Answer: C

NEW QUESTION 374
- (Exam Topic 11)
An organization has developed a major application that has undergone accreditation testing. After receiving the results of the evaluation, what is the final step before the application can be accredited?

A. Acceptance of risk by the authorizing official
B. Remediation of vulnerabilities
C. Adoption of standardized policies and procedures
D. Approval of the System Security Plan (SSP)

Answer: A

NEW QUESTION 375
- (Exam Topic 11)
Match the objectives to the assessment questions in the governance domain of Software Assurance Maturity Model (SAMM).



A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 377
- (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 382
- (Exam Topic 11)
The implementation of which features of an identity management system reduces costs and administration overhead while improving audit and accountability?

A. Two-factor authentication
B. Single Sign-On (SSO)
C. User self-service
D. A metadirectory

Answer: C

NEW QUESTION 384
- (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 389
- (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 394
- (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 398

- (Exam Topic 11)
An organization has decided to contract with a cloud-based service provider to leverage their identity as a service offering. They will use Open Authentication (OAuth) 2.0 to authenticate external users to the organization's services.
As part of the authentication process, which of the following must the end user provide?

A. An access token
B. A username and password
C. A username
D. A password

Answer: A

NEW QUESTION 399
- (Exam Topic 11)
Which one of the following is a common risk with network configuration management?

A. Patches on the network are difficult to keep current.
B. It is the responsibility of the systems administrator.
C. User ID and passwords are never set to expire.
D. Network diagrams are not up to date.

Answer: D

NEW QUESTION 401
- (Exam Topic 11)
Which of the following is the MOST effective method of mitigating data theft from an active user workstation?

A. Implement full-disk encryption
B. Enable multifactor authentication
C. Deploy file integrity checkers
D. Disable use of portable devices

Answer: D

NEW QUESTION 403
- (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 407
- (Exam Topic 11)
The PRIMARY outcome of a certification process is that it provides documented

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

Answer: D

NEW QUESTION 410
- (Exam Topic 11)
Which of the following methods can be used to achieve confidentiality and integrity for data in transit?

A. Multiprotocol Label Switching (MPLS)
B. Internet Protocol Security (IPSec)
C. Federated identity management
D. Multi-factor authentication

Answer: B

NEW QUESTION 413
- (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 418
- (Exam Topic 11)
What type of test assesses a Disaster Recovery (DR) plan using realistic disaster scenarios while maintaining minimal impact to business operations?

A. Parallel
B. Walkthrough
C. Simulation
D. Tabletop

Answer: C

NEW QUESTION 422
- (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 426
- (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 431
- (Exam Topic 11)
What is the GREATEST challenge of an agent-based patch management solution?

A. Time to gather vulnerability information about the computers in the program
B. Requires that software be installed, running, and managed on all participating computers
C. The significant amount of network bandwidth while scanning computers
D. The consistency of distributing patches to each participating computer

Answer: B

NEW QUESTION 433
- (Exam Topic 11)
Which of the following protocols would allow an organization to maintain a centralized list of users that can read a protected webpage?

A. Lightweight Directory Access Control (LDAP)
B. Security Assertion Markup Language (SAML)
C. Hypertext Transfer Protocol (HTTP)
D. Kerberos

Answer: A

NEW QUESTION 434
- (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 439
- (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:

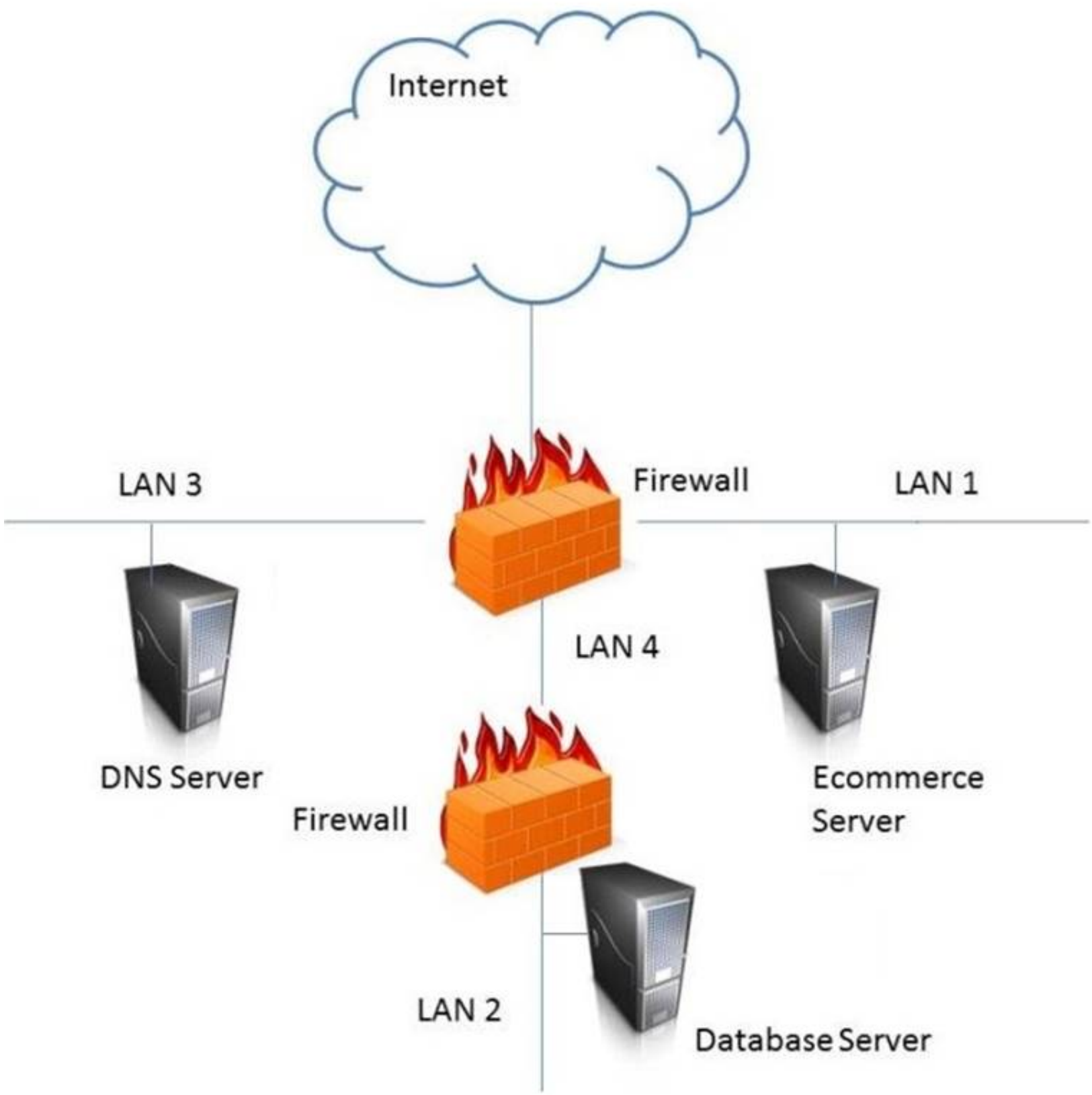
B

NEW QUESTION 443
- (Exam Topic 11)
Are companies legally required to report all data breaches?

A. No, different jurisdictions have different rules.
B. No, not if the data is encrypted.
C. No, companies' codes of ethics don't require it.
D. No, only if the breach had a material impact.

Answer: A

NEW QUESTION 446
- (Exam Topic 11)
In the network design below, where is the MOST secure Local Area Network (LAN) segment to deploy a Wireless Access Point (WAP) that provides contractors access to the Internet and authorized enterprise services?



A. Mastered
B. Not Mastered

Answer: A

Explanation:
LAN 4

NEW QUESTION 450
- (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)

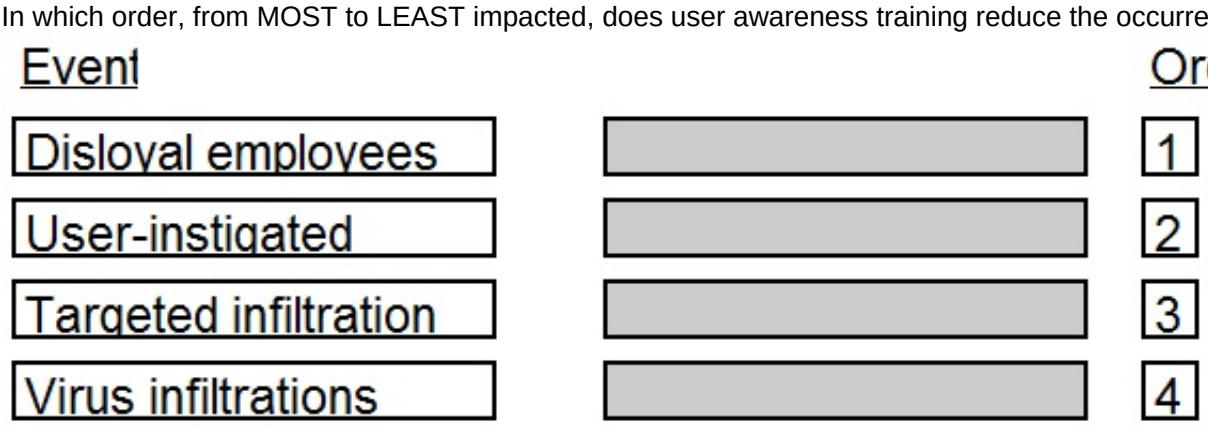
Answer: D

NEW QUESTION 454
- (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

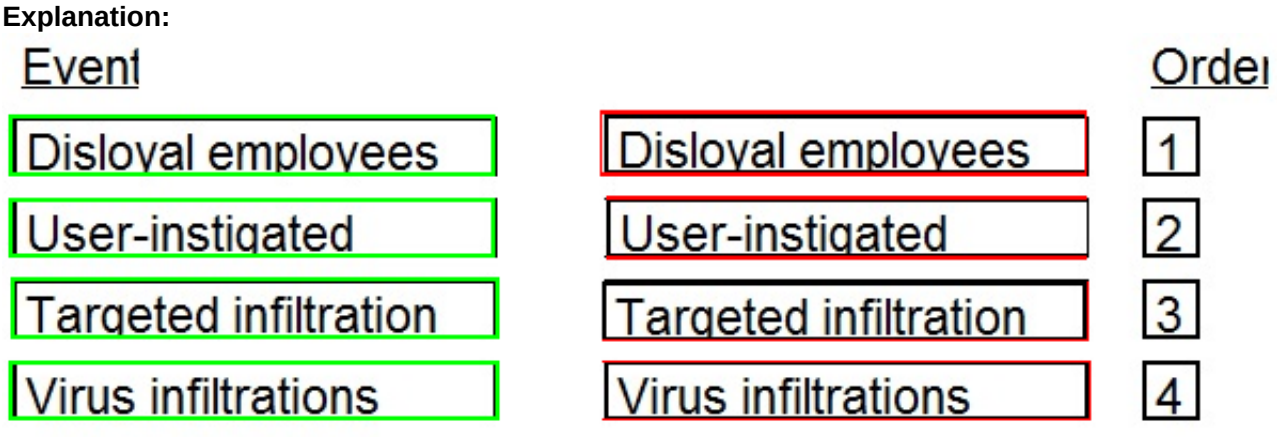
NEW QUESTION 459
- (Exam Topic 11)
In which order, from MOST to LEAST impacted, does user awareness training reduce the occurrence of the events below?



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 461
- (Exam Topic 12)
What is the difference between media marking and media labeling?

A. Media marking refers to the use of human-readable security attributes, while media labeling refers to the use of security attributes in internal data structures.
B. Media labeling refers to the use of human-readable security attributes, while media marking refers to the use of security attributes in internal data structures.
C. Media labeling refers to security attributes required by public policy/law, while media marking refers to security required by internal organizational policy.
D. Media marking refers to security attributes required by public policy/law, while media labeling refers to security attributes required by internal organizational policy.

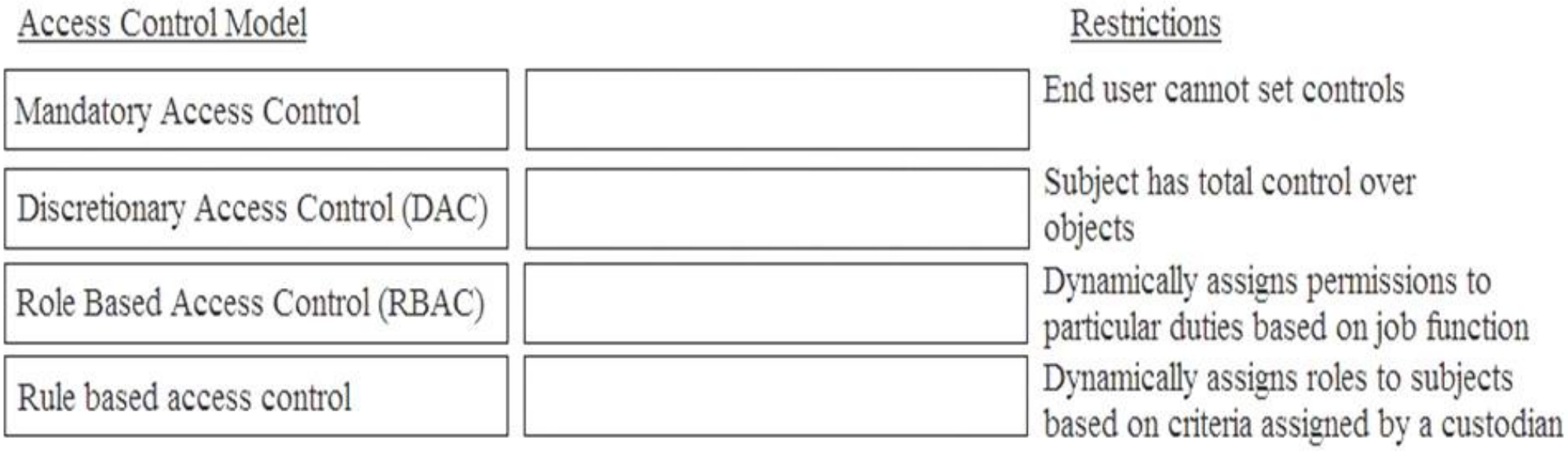
Answer: D

NEW QUESTION 466
- (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 471
- (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 475
- (Exam Topic 12)
A vulnerability in which of the following components would be MOST difficult to detect?

A. Kernel
B. Shared libraries
C. Hardware
D. System application

Answer: A

NEW QUESTION 480
- (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 485
- (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 487
- (Exam Topic 12)
An Intrusion Detection System (IDS) has recently been deployed in a Demilitarized Zone (DMZ). The IDS detects a flood of malformed packets. Which of the following BEST describes what has occurred?

A. Denial of Service (DoS) attack
B. Address Resolution Protocol (ARP) spoof
C. Buffer overflow
D. Ping flood attack

Answer: A

NEW QUESTION 488
- (Exam Topic 12)
Network-based logging has which advantage over host-based logging when reviewing malicious activity about a victim machine?

A. Addresses and protocols of network-based logs are analyzed.
B. Host-based system logging has files stored in multiple locations.
C. Properly handled network-based logs may be more reliable and valid.
D. Network-based systems cannot capture users logging into the console.

Answer: A

NEW QUESTION 491
- (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 494
- (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

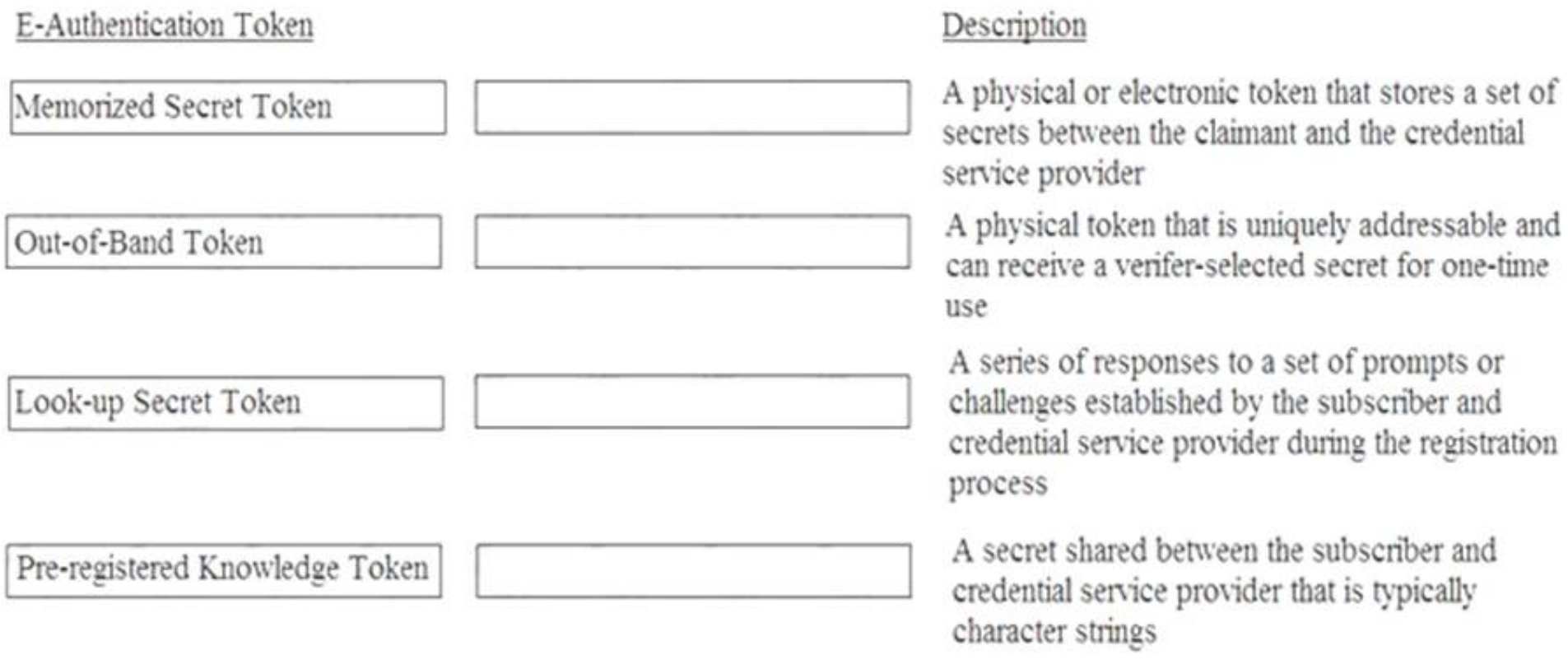
Answer: D

NEW QUESTION 498
- (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 501
- (Exam Topic 12)
Match the types of e-authentication tokens to their description.
Drag each e-authentication token on the left to its corresponding description on the right.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Look-up secret token - A physical or electronic token that stores a set of secrets between the claimant and the credential service provider
Out-of-Band Token - A physical token that is uniquely addressable and can receive a verifier-selected secret for one-time use
Pre-registered Knowledge Token - A series of responses to a set of prompts or challenges established by the subscriber and credential service provider during the registration process
Memorized Secret Token - A secret shared between the subscriber and credential service provider that is typically character strings

NEW QUESTION 504
- (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 505
- (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 506
- (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 508
- (Exam Topic 12)
The PRIMARY purpose of accreditation is to:

A. comply with applicable laws and regulations.
B. allow senior management to make an informed decision regarding whether to accept the risk of operating the system.
C. protect an organization’s sensitive datA.
D. verify that all security controls have been implemented properly and are operating in the correct manner.

Answer: B

NEW QUESTION 513
- (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 516
- (Exam Topic 12)
Which of the following BEST describes Recovery Time Objective (RTO)?

A. Time of application resumption after disaster
B. Time of application verification after disaster.
C. Time of data validation after disaster.
D. Time of data restoration from backup after disaster.

Answer: A

NEW QUESTION 521
- (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 525
- (Exam Topic 12)
How does a Host Based Intrusion Detection System (HIDS) identify a potential attack?

A. Examines log messages or other indications on the system.
B. Monitors alarms sent to the system administrator
C. Matches traffic patterns to virus signature files
D. Examines the Access Control List (ACL)

Answer: C

NEW QUESTION 527
- (Exam Topic 12)
An employee of a retail company has been granted an extended leave of absence by Human Resources (HR). This information has been formally communicated to the access provisioning team. Which of the following is the BEST action to take?

A. Revoke access temporarily.
B. Block user access and delete user account after six months.
C. Block access to the offices immediately.
D. Monitor account usage temporarily.

Answer: D

NEW QUESTION 528
- (Exam Topic 12)
Which of the following BEST represents the concept of least privilege?

A. Access to an object is denied unless access is specifically allowed.
B. Access to an object is only available to the owner.
C. Access to an object is allowed unless it is protected by the information security policy.
D. Access to an object is only allowed to authenticated users via an Access Control List (ACL).

Answer: A

NEW QUESTION 529
- (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 530
- (Exam Topic 12)
An organization’s information security strategic plan MUST be reviewed

A. whenever there are significant changes to a major application.
B. quarterly, when the organization’s strategic plan is updated.
C. whenever there are major changes to the business.
D. every three years, when the organization’s strategic plan is updated.

Answer: C

NEW QUESTION 535
- (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 539
- (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 544
- (Exam Topic 12)
An organization regularly conducts its own penetration tests. Which of the following scenarios MUST be covered for the test to be effective?

A. Third-party vendor with access to the system
B. System administrator access compromised
C. Internal attacker with access to the system
D. Internal user accidentally accessing data

Answer: C

NEW QUESTION 546
- (Exam Topic 12)
A security architect plans to reference a Mandatory Access Control (MAC) model for implementation. This indicates that which of the following properties are being prioritized?

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

Answer: C

NEW QUESTION 551
- (Exam Topic 12)
Which of the following is a characteristic of the initialization vector when using Data Encryption Standard (DES)?

A. It must be known to both sender and receiver.
B. It can be transmitted in the clear as a random number.
C. It must be retained until the last block is transmitted.
D. It can be used to encrypt and decrypt information.

Answer: B

NEW QUESTION 553
- (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 557
- (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 558
- (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 559
- (Exam Topic 12)
A user sends an e-mail request asking for read-only access to files that are not considered sensitive. A Discretionary Access Control (DAC) methodology is in place. Which is the MOST suitable approach that the administrator should take?

A. Administrator should request data owner approval to the user access
B. Administrator should request manager approval for the user access
C. Administrator should directly grant the access to the non-sensitive files
D. Administrator should assess the user access need and either grant or deny the access

Answer: A

NEW QUESTION 560
- (Exam Topic 12)
When building a data classification scheme, which of the following is the PRIMARY concern?

A. Purpose
B. Cost effectiveness
C. Availability
D. Authenticity

Answer: D

NEW QUESTION 563
- (Exam Topic 12)
Which technology is a prerequisite for populating the cloud-based directory in a federated identity solution?

A. Notification tool
B. Message queuing tool
C. Security token tool
D. Synchronization tool

Answer: C

NEW QUESTION 568
- (Exam Topic 12)
Which of the following countermeasures is the MOST effective in defending against a social engineering attack?

A. Mandating security policy acceptance
B. Changing individual behavior
C. Evaluating security awareness training
D. Filtering malicious e-mail content

Answer: C

NEW QUESTION 570
- (Exam Topic 12)
Which of the following is the PRIMARY reason to perform regular vulnerability scanning of an organization network?

A. Provide vulnerability reports to management.
B. Validate vulnerability remediation activities.
C. Prevent attackers from discovering vulnerabilities.
D. Remediate known vulnerabilities.

Answer: B

NEW QUESTION 573
- (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 576
- (Exam Topic 13)

Which one of the following data integrity models assumes a lattice of integrity levels?

A. Take-Grant
B. Biba
C. Harrison-Ruzzo
D. Bell-LaPadula

Answer: B

NEW QUESTION 581
- (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 586
- (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 589
- (Exam Topic 13)
Which of the following MUST be in place to recognize a system attack?

A. Stateful firewall
B. Distributed antivirus
C. Log analysis
D. Passive honeypot

Answer: A

NEW QUESTION 591
- (Exam Topic 13)
Who is responsible for the protection of information when it is shared with or provided to other organizations?

A. Systems owner
B. Authorizing Official (AO)
C. Information owner
D. Security officer

Answer: C

Explanation:
Section: Security Operations

NEW QUESTION 592
- (Exam Topic 13)
What is the MAIN reason for testing a Disaster Recovery Plan (DRP)?

A. To ensure Information Technology (IT) staff knows and performs roles assigned to each of them
B. To validate backup sites' effectiveness
C. To find out what does not work and fix it
D. To create a high level DRP awareness among Information Technology (IT) staff

Answer: B

NEW QUESTION 593
- (Exam Topic 13)
A company seizes a mobile device suspected of being used in committing fraud. What would be the BEST method used by a forensic examiner to isolate the powered-on device from the network and preserve the evidence?

A. Put the device in airplane mode
B. Suspend the account with the telecommunication provider
C. Remove the SIM card
D. Turn the device off

Answer: A

NEW QUESTION 597
- (Exam Topic 13)
An international medical organization with headquarters in the United States (US) and branches in France wants to test a drug in both countries. What is the organization allowed to do with the test subject's data?

A. Aggregate it into one database in the US
B. Process it in the US, but store the information in France
C. Share it with a third party
D. Anonymize it and process it in the US

Answer: C

Explanation:
Section: Security Assessment and Testing

NEW QUESTION 601
- (Exam Topic 13)
Which of the following are important criteria when designing procedures and acceptance criteria for acquired software?

A. Code quality, security, and origin
B. Architecture, hardware, and firmware
C. Data quality, provenance, and scaling
D. Distributed, agile, and bench testing

Answer: A

NEW QUESTION 604
- (Exam Topic 13)
Which of the following is the MOST common method of memory protection?

A. Compartmentalization
B. Segmentation
C. Error correction
D. Virtual Local Area Network (VLAN) tagging

Answer: B

NEW QUESTION 609
- (Exam Topic 13)
Even though a particular digital watermark is difficult to detect, which of the following represents a way it might still be inadvertently removed?

A. Truncating parts of the data
B. Applying Access Control Lists (ACL) to the data
C. Appending non-watermarked data to watermarked data
D. Storing the data in a database

Answer: A

NEW QUESTION 613
- (Exam Topic 13)
Which of the following combinations would MOST negatively affect availability?

A. Denial of Service (DoS) attacks and outdated hardware
B. Unauthorized transactions and outdated hardware
C. Fire and accidental changes to data
D. Unauthorized transactions and denial of service attacks

Answer: A

NEW QUESTION 618
- (Exam Topic 13)
Which of the following is the MOST efficient mechanism to account for all staff during a speedy nonemergency evacuation from a large security facility?

A. Large mantrap where groups of individuals leaving are identified using facial recognition technology
B. Radio Frequency Identification (RFID) sensors worn by each employee scanned by sensors at each exitdoor
C. Emergency exits with push bars with coordinates at each exit checking off the individual against a predefined list
D. Card-activated turnstile where individuals are validated upon exit

Answer: B

Explanation:
Section: Security Operations

NEW QUESTION 622
- (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 624
- (Exam Topic 13)
When determining who can accept the risk associated with a vulnerability, which of the following is MOST important?

A. Countermeasure effectiveness
B. Type of potential loss
C. Incident likelihood
D. Information ownership

Answer: C

NEW QUESTION 628
- (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 629
- (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 633
- (Exam Topic 13)
A security practitioner is tasked with securing the organization's Wireless Access Points (WAP). Which of these is the MOST effective way of restricting this environment to authorized users?

A. Enable Wi-Fi Protected Access 2 (WPA2) encryption on the wireless access point
B. Disable the broadcast of the Service Set Identifier (SSID) name
C. Change the name of the Service Set Identifier (SSID) to a random value not associated with theorganization
D. Create Access Control Lists (ACL) based on Media Access Control (MAC) addresses

Answer: D

NEW QUESTION 634
- (Exam Topic 13)
When developing solutions for mobile devices, in which phase of the Software Development Life Cycle (SDLC) should technical limitations related to devices be specified?

A. Implementation
B. Initiation
C. Review
D. Development

Answer: A

NEW QUESTION 635
- (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 639
- (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 642
- (Exam Topic 13)
Which of the following methods of suppressing a fire is environmentally friendly and the MOST appropriate for a data center?

A. Inert gas fire suppression system
B. Halon gas fire suppression system
C. Dry-pipe sprinklers
D. Wet-pipe sprinklers

Answer: C

NEW QUESTION 645
- (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

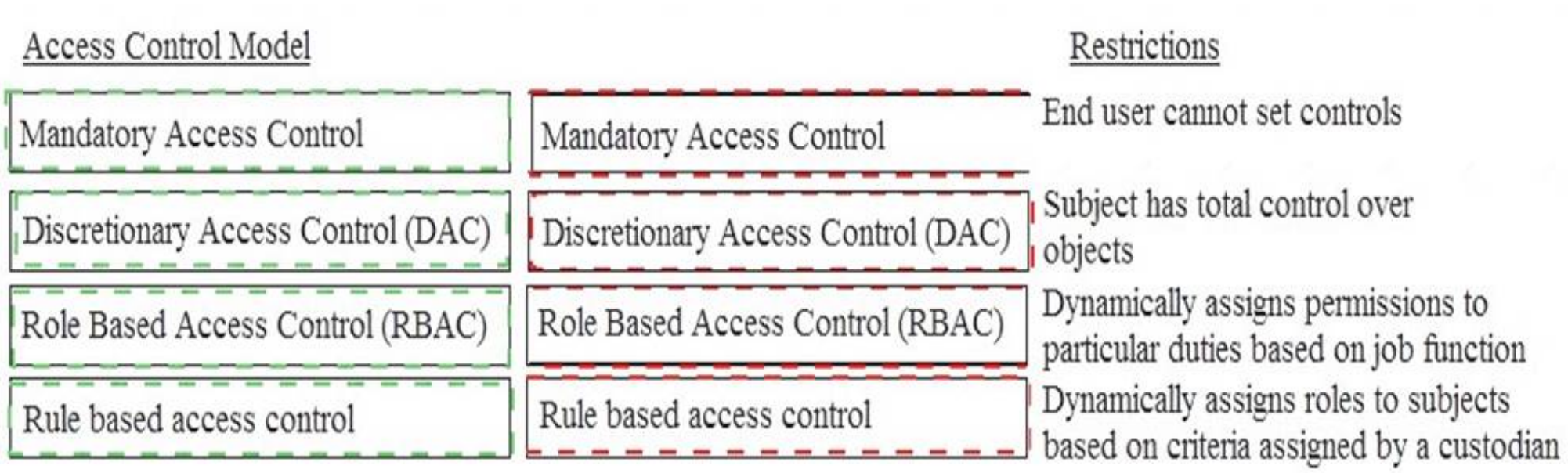
NEW QUESTION 649
- (Exam Topic 13)
Match the name of access control model with its associated restriction.
Drag each access control model to its appropriate restriction access on the right.

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:

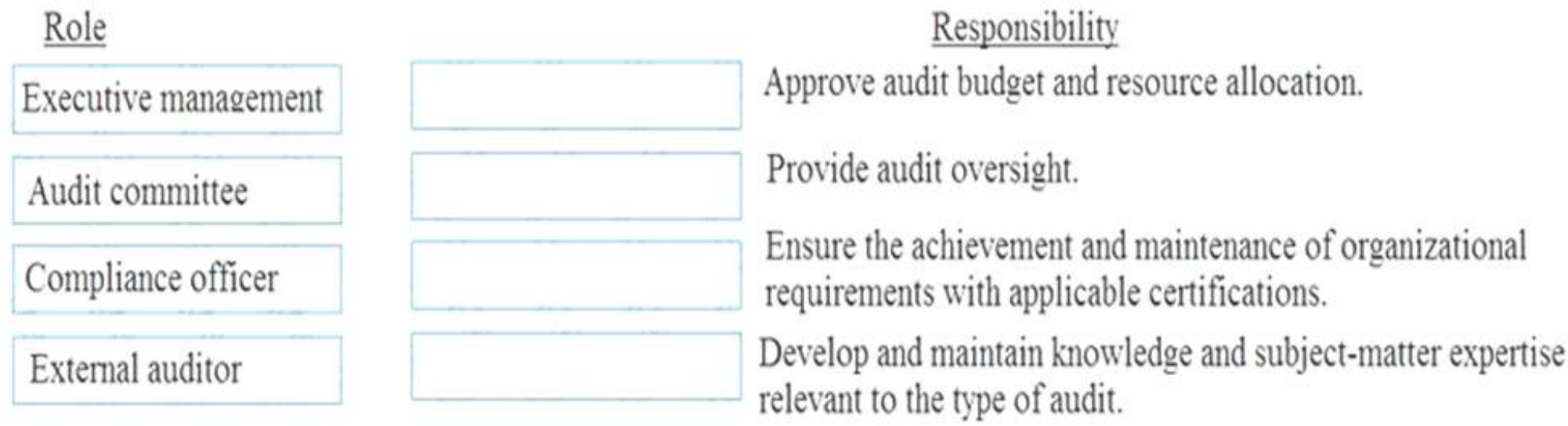


NEW QUESTION 653
- (Exam Topic 13)
Proven application security principles include which of the following?

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

Answer: A

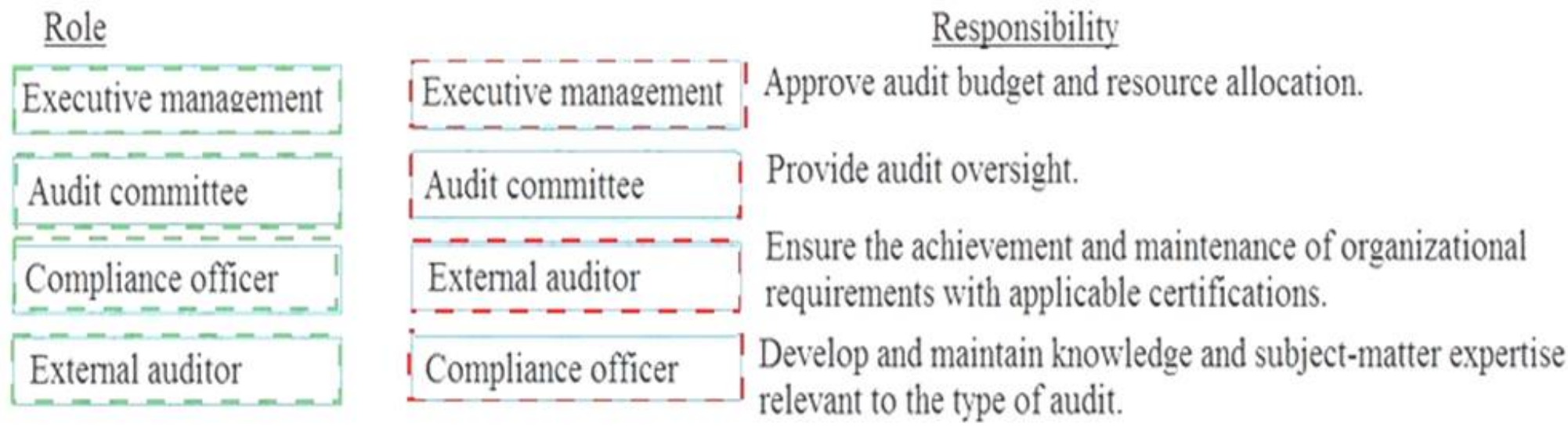
NEW QUESTION 658
- (Exam Topic 13)
Match the functional roles in an external audit to their responsibilities. Drag each role on the left to its corresponding responsibility on the right. Select and Place:



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 660

- (Exam Topic 13)
What is the PRIMARY goal of fault tolerance?

A. Elimination of single point of failure
B. Isolation using a sandbox
C. Single point of repair
D. Containment to prevent propagation

Answer: A

NEW QUESTION 665
- (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 669
- (Exam Topic 13)
Transport Layer Security (TLS) provides which of the following capabilities for a remote access server?

A. Transport layer handshake compression
B. Application layer negotiation
C. Peer identity authentication
D. Digital certificate revocation

Answer: C

NEW QUESTION 672
- (Exam Topic 13)
A vulnerability assessment report has been submitted to a client. The client indicates that one third of the hosts that were in scope are missing from the report.
In which phase of the assessment was this error MOST likely made?

A. Enumeration
B. Reporting
C. Detection
D. Discovery

Answer: A

Explanation:
Section: Security Assessment and Testing

NEW QUESTION 673
- (Exam Topic 13)
After following the processes defined within the change management plan, a super user has upgraded a device within an Information system.
What step would be taken to ensure that the upgrade did NOT affect the network security posture?

A. Conduct an Assessment and Authorization (A&A)
B. Conduct a security impact analysis
C. Review the results of the most recent vulnerability scan
D. Conduct a gap analysis with the baseline configuration

Answer: B

Explanation:
Section: Security Assessment and Testing

NEW QUESTION 678
- (Exam Topic 13)
At a MINIMUM, audits of permissions to individual or group accounts should be scheduled

A. annually
B. to correspond with staff promotions
C. to correspond with terminations
D. continually

Answer: A

NEW QUESTION 679
- (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 684
- (Exam Topic 13)
Digital certificates used in Transport Layer Security (TLS) support which of the following?

A. Information input validation
B. Non-repudiation controls and data encryption
C. Multi-Factor Authentication (MFA)
D. Server identity and data confidentially

Answer: D

NEW QUESTION 687
- (Exam Topic 13)
Which of the following is part of a Trusted Platform Module (TPM)?

A. A non-volatile tamper-resistant storage for storing both data and signing keys in a secure fashion
B. A protected Pre-Basic Input/Output System (BIOS) which specifies a method or a metric for “measuring”the state of a computing platform
C. A secure processor targeted at managing digital keys and accelerating digital signing
D. A platform-independent software interface for accessing computer functions

Answer: A

NEW QUESTION 692
- (Exam Topic 13)
A security professional determines that a number of outsourcing contracts inherited from a previous merger do not adhere to the current security requirements. Which of the following BEST minimizes the risk of this
happening again?

A. Define additional security controls directly after the merger
B. Include a procurement officer in the merger team
C. Verify all contracts before a merger occurs
D. Assign a compliancy officer to review the merger conditions

Answer: D

NEW QUESTION 693
- (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 697
- (Exam Topic 13)
An organization adopts a new firewall hardening standard. How can the security professional verify that the technical staff correct implemented the new standard?

A. Perform a compliance review
B. Perform a penetration test
C. Train the technical staff
D. Survey the technical staff

Answer: B

Explanation:
Section: Security Operations

NEW QUESTION 701
- (Exam Topic 13)
An organization has discovered that users are visiting unauthorized websites using anonymous proxies. Which of the following is the BEST way to prevent future occurrences?

A. Remove the anonymity from the proxy
B. Analyze Internet Protocol (IP) traffic for proxy requests
C. Disable the proxy server on the firewall
D. Block the Internet Protocol (IP) address of known anonymous proxies

Answer: C

NEW QUESTION 702
- (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 704
- (Exam Topic 13)
A user has infected a computer with malware by connecting a Universal Serial Bus (USB) storage device. Which of the following is MOST effective to mitigate future infections?

A. Develop a written organizational policy prohibiting unauthorized USB devices
B. Train users on the dangers of transferring data in USB devices
C. Implement centralized technical control of USB port connections
D. Encrypt removable USB devices containing data at rest

Answer: C

NEW QUESTION 709
- (Exam Topic 13)
Which of the BEST internationally recognized standard for evaluating security products and systems?

A. Payment Card Industry Data Security Standards (PCI-DSS)
B. Common Criteria (CC)
C. Health Insurance Portability and Accountability Act (HIPAA)
D. Sarbanes-Oxley (SOX)

Answer: B

NEW QUESTION 710
- (Exam Topic 13)
As part of an application penetration testing process, session hijacking can BEST be achieved by which of the following?

A. Known-plaintext attack
B. Denial of Service (DoS)
C. Cookie manipulation
D. Structured Query Language (SQL) injection

Answer: D

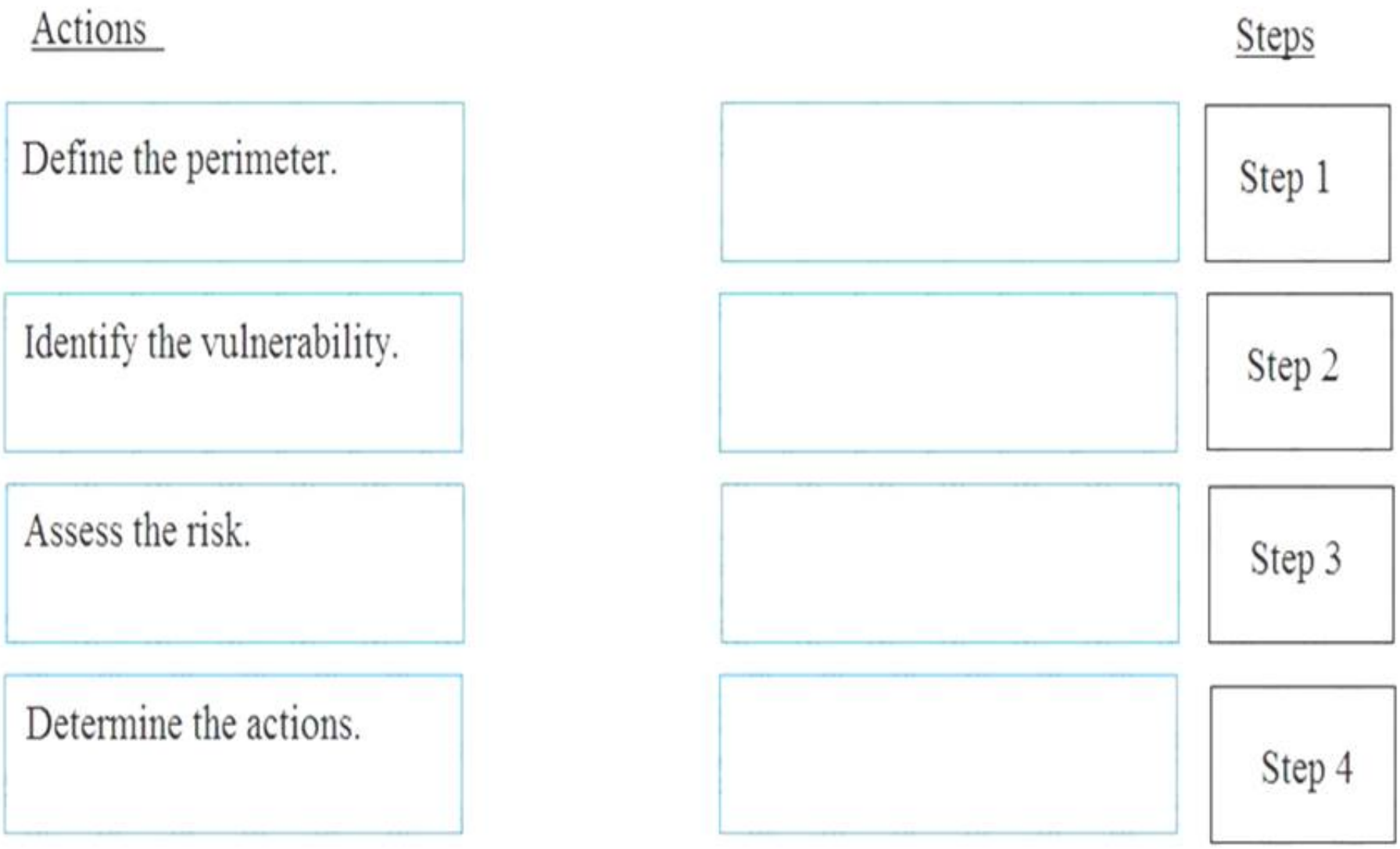
Explanation:
Section: Security Assessment and Testing

NEW QUESTION 714
- (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

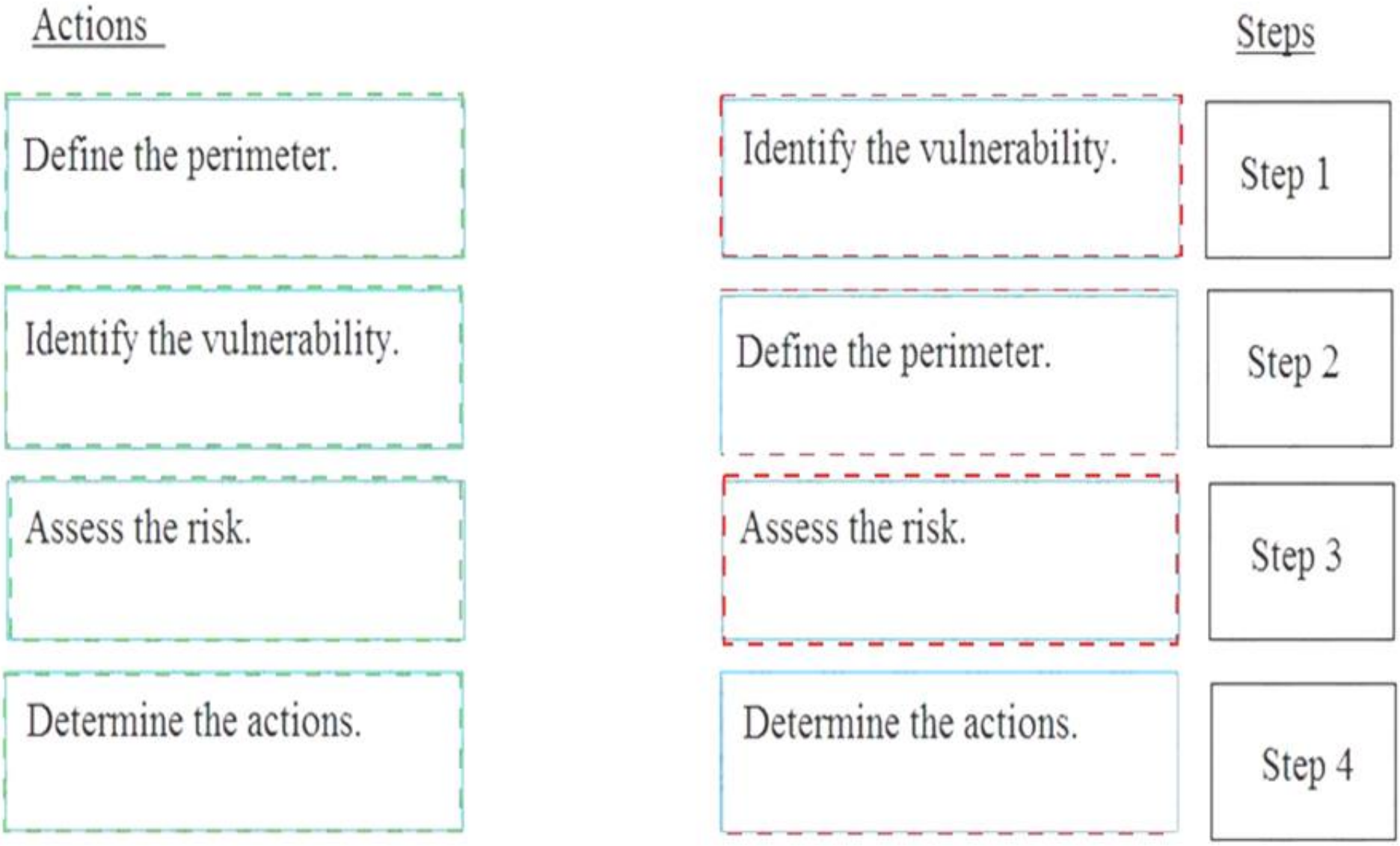
NEW QUESTION 716
- (Exam Topic 13)
What is the correct order of steps in an information security assessment?
Place the information security assessment steps on the left next to the numbered boxes on the right in the correct order.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 718
- (Exam Topic 13)
A company receives an email threat informing of an Imminent Distributed Denial of Service (DDoS) attack

targeting its web application, unless ransom is paid. Which of the following techniques BEST addresses that threat?

A. Deploying load balancers to distribute inbound traffic across multiple data centers
B. Set Up Web Application Firewalls (WAFs) to filter out malicious traffic
C. Implementing reverse web-proxies to validate each new inbound connection
D. Coordinate with and utilize capabilities within Internet Service Provider (ISP)

Answer: D

NEW QUESTION 720
- (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 721
- (Exam Topic 13)
Which of the following management process allows ONLY those services required for users to accomplish their tasks, change default user passwords, and set servers to retrieve antivirus updates?

A. Configuration
B. Identity
C. Compliance
D. Patch

Answer: A

NEW QUESTION 726
- (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 730
- (Exam Topic 13)
Which of the following provides the MOST comprehensive filtering of Peer-to-Peer (P2P) traffic?

A. Application proxy
B. Port filter
C. Network boundary router
D. Access layer switch

Answer: A

NEW QUESTION 734
- (Exam Topic 13)
Which of the following techniques is known to be effective in spotting resource exhaustion problems, especially with resources such as processes, memory, and connections?

A. Automated dynamic analysis
B. Automated static analysis
C. Manual code review
D. Fuzzing

Answer: A

NEW QUESTION 737
- (Exam Topic 13)
A post-implementation review has identified that the Voice Over Internet Protocol (VoIP) system was designed to have gratuitous Address Resolution Protocol (ARP) disabled.

Why did the network architect likely design the VoIP system with gratuitous ARP disabled?

A. Gratuitous ARP requires the use of Virtual Local Area Network (VLAN) 1.
B. Gratuitous ARP requires the use of insecure layer 3 protocols.
C. Gratuitous ARP requires the likelihood of a successful brute-force attack on the phone.
D. Gratuitous ARP requires the risk of a Man-in-the-Middle (MITM) attack.

Answer: D

NEW QUESTION 741
- (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 746
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