



ISC2

Exam Questions CISSP

Certified Information Systems Security Professional (CISSP)

NEW QUESTION 1

- (Exam Topic 1)

An important principle of defense in depth is that achieving information security requires a balanced focus on which PRIMARY elements?

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

Answer: C

NEW QUESTION 2

- (Exam Topic 1)

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

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

Answer: C

NEW QUESTION 3

- (Exam Topic 1)

All of the following items should be included in a Business Impact Analysis (BIA) questionnaire EXCEPT questions that

- A. determine the risk of a business interruption occurring
- B. determine the technological dependence of the business processes
- C. Identify the operational impacts of a business interruption
- D. Identify the financial impacts of a business interruption

Answer: B

NEW QUESTION 4

- (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 5

- (Exam Topic 1)

What is the MOST important consideration from a data security perspective when an organization plans to relocate?

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

Answer: C

NEW QUESTION 6

- (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 7

- (Exam Topic 2)

Which of the following is an initial consideration when developing an information security management system?

- A. Identify the contractual security obligations that apply to the organizations
- B. Understand the value of the information assets
- C. Identify the level of residual risk that is tolerable to management
- D. Identify relevant legislative and regulatory compliance requirements

Answer: B

NEW QUESTION 8

- (Exam Topic 2)

When implementing a data classification program, why is it important to avoid too much granularity?

- A. The process will require too many resources
- B. It will be difficult to apply to both hardware and software
- C. It will be difficult to assign ownership to the data
- D. The process will be perceived as having value

Answer: A

NEW QUESTION 9

- (Exam Topic 2)

Which of the following is MOST important when assigning ownership of an asset to a department?

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

Answer: B

NEW QUESTION 10

- (Exam Topic 3)

Which of the following mobile code security models relies only on trust?

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

Answer: A

NEW QUESTION 10

- (Exam Topic 3)

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 12

- (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 14

- (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 16

- (Exam Topic 3)

Who in the organization is accountable for classification of data information assets?

- A. Data owner
- B. Data architect

- C. Chief Information Security Officer (CISO)
- D. Chief Information Officer (CIO)

Answer: A

NEW QUESTION 18

- (Exam Topic 4)

An input validation and exception handling vulnerability has been discovered on a critical web-based system. Which of the following is MOST suited to quickly implement a control?

- A. Add a new rule to the application layer firewall
- B. Block access to the service
- C. Install an Intrusion Detection System (IDS)
- D. Patch the application source code

Answer: A

NEW QUESTION 23

- (Exam Topic 5)

Users require access rights that allow them to view the average salary of groups of employees. Which control would prevent the users from obtaining an individual employee's salary?

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

Answer: C

NEW QUESTION 27

- (Exam Topic 6)

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

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

Answer: A

NEW QUESTION 32

- (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 36

- (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 37

- (Exam Topic 7)

Which of the following is a PRIMARY advantage of using a third-party identity service?

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

Answer: D

NEW QUESTION 39

- (Exam Topic 7)

What is the MOST important step during forensic analysis when trying to learn the purpose of an unknown application?

- A. Disable all unnecessary services
- B. Ensure chain of custody
- C. Prepare another backup of the system
- D. Isolate the system from the network

Answer: D

NEW QUESTION 44

- (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 48

- (Exam Topic 7)

What should be the FIRST action to protect the chain of evidence when a desktop computer is involved?

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

Answer: C

NEW QUESTION 49

- (Exam Topic 8)

Which of the following is a web application control that should be put into place to prevent exploitation of Operating System (OS) bugs?

- A. Check arguments in function calls
- B. Test for the security patch level of the environment
- C. Include logging functions
- D. Digitally sign each application module

Answer: B

NEW QUESTION 54

- (Exam Topic 8)

Which of the following is the BEST method to prevent malware from being introduced into a production environment?

- A. Purchase software from a limited list of retailers
- B. Verify the hash key or certificate key of all updates
- C. Do not permit programs, patches, or updates from the Internet
- D. Test all new software in a segregated environment

Answer: D

NEW QUESTION 59

- (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 60

- (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 63

- (Exam Topic 9)

Internet Protocol (IP) source address spoofing is used to defeat

- A. address-based authentication.
- B. Address Resolution Protocol (ARP).
- C. Reverse Address Resolution Protocol (RARP).
- D. Transmission Control Protocol (TCP) hijacking.

Answer: A

NEW QUESTION 68

- (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 71

- (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 73

- (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 78

- (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 83

- (Exam Topic 9)

The key benefits of a signed and encrypted e-mail include

- A. confidentiality, authentication, and authorization.
- B. confidentiality, non-repudiation, and authentication.
- C. non-repudiation, authorization, and authentication.
- D. non-repudiation, confidentiality, and authorization.

Answer: B

NEW QUESTION 86

- (Exam Topic 9)

What technique BEST describes antivirus software that detects viruses by watching anomalous behavior?

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

Answer:

D

NEW QUESTION 89

- (Exam Topic 9)

Why is a system's criticality classification important in large organizations?

- A. It provides for proper prioritization and scheduling of security and maintenance tasks.
- B. It reduces critical system support workload and reduces the time required to apply patches.
- C. It allows for clear systems status communications to executive management.
- D. It provides for easier determination of ownership, reducing confusion as to the status of the asset.

Answer: A

NEW QUESTION 93

- (Exam Topic 9)

Which layer of the Open Systems Interconnections (OSI) model implementation adds information concerning the logical connection between the sender and receiver?

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

Answer: C

NEW QUESTION 94

- (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 97

- (Exam Topic 9)

During an audit of system management, auditors find that the system administrator has not been trained. What actions need to be taken at once to ensure the integrity of systems?

- A. A review of hiring policies and methods of verification of new employees
- B. A review of all departmental procedures
- C. A review of all training procedures to be undertaken
- D. A review of all systems by an experienced administrator

Answer: D

NEW QUESTION 98

- (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 102

- (Exam Topic 9)

The type of authorized interactions a subject can have with an object is

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

Answer: B

NEW QUESTION 103

- (Exam Topic 9)

Which one of the following considerations has the LEAST impact when considering transmission security?

- A. Network availability
- B. Data integrity

- C. Network bandwidth
- D. Node locations

Answer: C

NEW QUESTION 107

- (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 108

- (Exam Topic 9)

The process of mutual authentication involves a computer system authenticating a user and authenticating the

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

Answer: B

NEW QUESTION 112

- (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 113

- (Exam Topic 9)

How can a forensic specialist exclude from examination a large percentage of operating system files residing on a copy of the target system?

- A. Take another backup of the media in question then delete all irrelevant operating system files.
- B. Create a comparison database of cryptographic hashes of the files from a system with the same operating system and patch level.
- C. Generate a message digest (MD) or secure hash on the drive image to detect tampering of the media being examined.
- D. Discard harmless files for the operating system, and known installed programs.

Answer: B

NEW QUESTION 114

- (Exam Topic 9)

Which of the following is the best practice for testing a Business Continuity Plan (BCP)?

- A. Test before the IT Audit
- B. Test when environment changes
- C. Test after installation of security patches
- D. Test after implementation of system patches

Answer: B

NEW QUESTION 118

- (Exam Topic 9)

When building a data center, site location and construction factors that increase the level of vulnerability to physical threats include

- A. hardened building construction with consideration of seismic factors.
- B. adequate distance from and lack of access to adjacent buildings.
- C. curved roads approaching the data center.
- D. proximity to high crime areas of the city.

Answer: D

NEW QUESTION 121

- (Exam Topic 9)

The PRIMARY purpose of a security awareness program is to

- A. ensure that everyone understands the organization's policies and procedures.
- B. communicate that access to information will be granted on a need-to-know basis.
- C. warn all users that access to all systems will be monitored on a daily basis.
- D. comply with regulations related to data and information protection.

Answer: A

NEW QUESTION 125

- (Exam Topic 9)

The BEST method of demonstrating a company's security level to potential customers is

- A. a report from an external auditor.
- B. responding to a customer's security questionnaire.
- C. a formal report from an internal auditor.
- D. a site visit by a customer's security team.

Answer: A

NEW QUESTION 130

- (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 131

- (Exam Topic 9)

Which one of the following is the MOST important in designing a biometric access system if it is essential that no one other than authorized individuals are admitted?

- A. False Acceptance Rate (FAR)
- B. False Rejection Rate (FRR)
- C. Crossover Error Rate (CER)
- D. Rejection Error Rate

Answer: A

NEW QUESTION 136

- (Exam Topic 9)

Which one of the following security mechanisms provides the BEST way to restrict the execution of privileged procedures?

- A. Role Based Access Control (RBAC)
- B. Biometric access control
- C. Federated Identity Management (IdM)
- D. Application hardening

Answer: A

NEW QUESTION 139

- (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 systems controls 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 142

- (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 143

- (Exam Topic 9)

The use of strong authentication, the encryption of Personally Identifiable Information (PII) on database servers, application security reviews, and the encryption of data transmitted across networks provide

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

Answer: B

NEW QUESTION 146

- (Exam Topic 9)

Which 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 151

- (Exam Topic 9)

In Business Continuity Planning (BCP), what is the importance of documenting business processes?

- A. Provides senior management with decision-making tools
- B. Establishes and adopts ongoing testing and maintenance strategies
- C. Defines who will perform which functions during a disaster or emergency
- D. Provides an understanding of the organization's interdependencies

Answer: D

NEW QUESTION 155

- (Exam Topic 9)

What principle requires that changes to the plaintext affect many parts of the ciphertext?

- A. Diffusion
- B. Encapsulation
- C. Obfuscation
- D. Permutation

Answer: A

NEW QUESTION 159

- (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 163

- (Exam Topic 9)

Which of the following is the FIRST step of a penetration test plan?

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

Answer: C

NEW QUESTION 165

- (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 170

- (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 175

- (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 180

- (Exam Topic 9)

Following the completion of a network security assessment, which of the following can BEST be demonstrated?

- A. The effectiveness of controls can be accurately measured
- B. A penetration test of the network will fail
- C. The network is compliant to industry standards
- D. All unpatched vulnerabilities have been identified

Answer: A

NEW QUESTION 184

- (Exam Topic 9)

In a data classification scheme, the data is owned by the

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

Answer: B

NEW QUESTION 185

- (Exam Topic 9)

While impersonating an Information Security Officer (ISO), an attacker obtains information from company employees about their User IDs and passwords. Which method of information gathering has the attacker used?

- A. Trusted path
- B. Malicious logic
- C. Social engineering
- D. Passive misuse

Answer: C

NEW QUESTION 188

- (Exam Topic 9)

Which of the following defines the key exchange for Internet Protocol Security (IPSec)?

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

Answer: B

NEW QUESTION 189

- (Exam Topic 9)

Which of the following actions should be performed when implementing a change to a database schema in a production system?

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

Answer:

D

NEW QUESTION 191

- (Exam Topic 9)

Which of the following is an effective method for avoiding magnetic media data remanence?

- A. Degaussing
- B. Encryption
- C. Data Loss Prevention (DLP)
- D. Authentication

Answer: A

NEW QUESTION 193

- (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 196

- (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 200

- (Exam Topic 9)

Which of the following MUST be done when promoting a security awareness program to senior management?

- A. Show the need for security; identify the message and the audience
- B. Ensure that the security presentation is designed to be all-inclusive
- C. Notify them that their compliance is mandatory
- D. Explain how hackers have enhanced information security

Answer: A

NEW QUESTION 205

- (Exam Topic 9)

What is the MOST effective countermeasure to a malicious code attack against a mobile system?

- A. Sandbox
- B. Change control
- C. Memory management
- D. Public-Key Infrastructure (PKI)

Answer: A

NEW QUESTION 209

- (Exam Topic 9)

Which one of the following affects the classification of data?

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

Answer: A

NEW QUESTION 213

- (Exam Topic 9)

An organization is designing a large enterprise-wide document repository system. They plan to have several different classification level areas with increasing levels of controls. The BEST way to ensure document confidentiality in the repository is to

- A. encrypt the contents of the repository and document any exceptions to that requirement.
- B. utilize Intrusion Detection System (IDS) set drop connections if too many requests for documents are detected.
- C. keep individuals with access to high security areas from saving those documents into lower security areas.

D. require individuals with access to the system to sign Non-Disclosure Agreements (NDA).

Answer: C

NEW QUESTION 214

- (Exam Topic 9)

A system has been scanned for vulnerabilities and has been found to contain a number of communication ports that have been opened without authority. To which of the following might this system have been subjected?

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

Answer: A

NEW QUESTION 218

- (Exam Topic 9)

By allowing storage communications to run on top of Transmission Control Protocol/Internet Protocol (TCP/IP) with a Storage Area Network (SAN), the

- A. confidentiality of the traffic is protected.
- B. opportunity to sniff network traffic exists.
- C. opportunity for device identity spoofing is eliminated.
- D. storage devices are protected against availability attacks.

Answer: B

NEW QUESTION 221

- (Exam Topic 9)

The goal of software assurance in application development is to

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

Answer: C

NEW QUESTION 226

- (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 229

- (Exam Topic 9)

Which of the following statements is TRUE of black box testing?

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

Answer: A

NEW QUESTION 231

- (Exam Topic 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 234

- (Exam Topic 9)

What should be the INITIAL response to Intrusion Detection System/Intrusion Prevention System (IDS/IPS) alerts?

- A. Ensure that the Incident Response Plan is available and current.
- B. Determine the traffic's initial source and block the appropriate port.
- C. Disable or disconnect suspected target and source systems.
- D. Verify the threat and determine the scope of the attack.

Answer: D

NEW QUESTION 235

- (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 236

- (Exam Topic 9)

In Disaster Recovery (DR) and business continuity training, which BEST describes a functional drill?

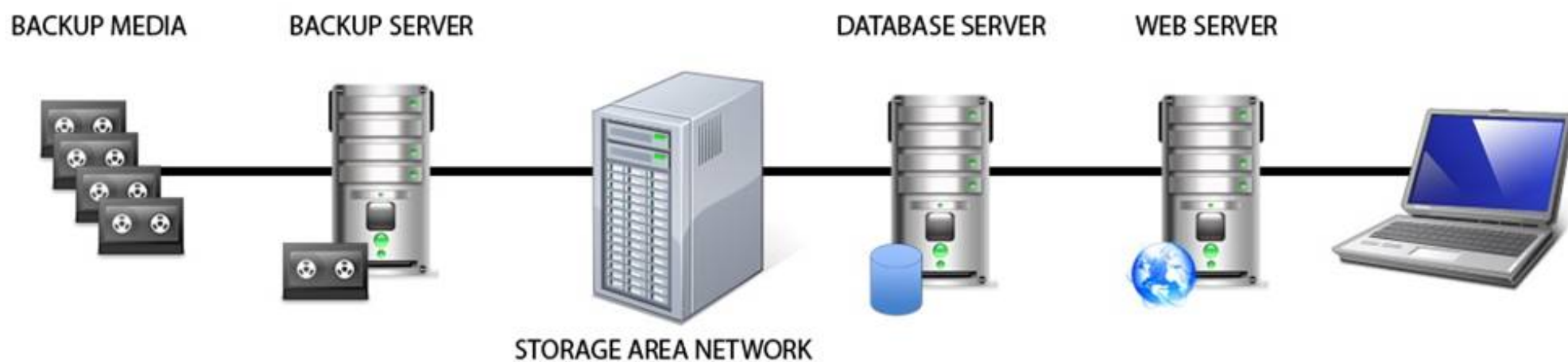
- A. A full-scale simulation of an emergency and the subsequent response functions
- B. A specific test by response teams of individual emergency response functions
- C. A functional evacuation of personnel
- D. An activation of the backup site

Answer: B

NEW QUESTION 239

- (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 243

- (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 247

- (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 248

- (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 251

- (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 252

- (Exam Topic 10)

Which of the following provides effective management assurance for a Wireless Local Area Network (WLAN)?

- A. Maintaining an inventory of authorized Access Points (AP) and connecting devices
- B. Setting the radio frequency to the minimum range required
- C. Establishing a Virtual Private Network (VPN) tunnel between the WLAN client device and a VPN concentrator
- D. Verifying that all default passwords have been changed

Answer: A

NEW QUESTION 254

- (Exam Topic 10)

Refer to the information below to answer the question.

In a Multilevel Security (MLS) system, the following sensitivity labels are used in increasing levels of sensitivity: restricted, confidential, secret, top secret. Table A lists the clearance levels for four users, while Table B lists the security classes of four different files.

Table A

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

Table B

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

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

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

Answer: C

NEW QUESTION 255

- (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 be the PRIMARY security concern as staff is released from the organization?

- A. Inadequate IT support
- B. Loss of data and separation of duties
- C. Undocumented security controls
- D. Additional responsibilities for remaining staff

Answer: B

NEW QUESTION 259

- (Exam Topic 10)

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

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

Answer: D

NEW QUESTION 262

- (Exam Topic 10)

An online retail company has formulated a record retention schedule for customer transactions. Which of the following is a valid reason a customer transaction is kept beyond the retention schedule?

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

Answer: A

NEW QUESTION 263

- (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 266

- (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 268

- (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 272

- (Exam Topic 10)

Refer to the information below to answer the question.

A security practitioner detects client-based attacks on the organization's network. A plan will be necessary to address these concerns. What MUST the plan include in order to reduce client-side exploitation?

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

Answer: D

NEW QUESTION 276

- (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 280

- (Exam Topic 10)

Which of the following are required components for implementing software configuration management systems?

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

Answer: C

NEW QUESTION 284

- (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 289

- (Exam Topic 10)

Which of the following methods provides the MOST protection for user credentials?

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

Answer: B

NEW QUESTION 293

- (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 295

- (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 300

- (Exam Topic 10)

Refer to the information below to answer the question.

A security practitioner detects client-based attacks on the organization's network. A plan will be necessary to address these concerns.

In the plan, what is the BEST approach to mitigate future internal client-based attacks?

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

Answer: D

NEW QUESTION 304

- (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 307

- (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
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B	Confidential
C	Secret
D	Top Secret

Table B

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

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

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

Answer: D

NEW QUESTION 309

- (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 310

- (Exam Topic 10)

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

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

Answer: D

NEW QUESTION 315

- (Exam Topic 10)

Which of the following MUST system and database administrators be aware of and apply when configuring systems used for storing personal employee data?

- A. Secondary use of the data by business users
- B. The organization's security policies and standards
- C. The business purpose for which the data is to be used
- D. The overall protection of corporate resources and data

Answer: B

NEW QUESTION 317

- (Exam Topic 10)

Refer to the information below to answer the question.

A new employee is given a laptop computer with full administrator access. This employee does not have a personal computer at home and has a child that uses the computer to send and receive e-mail, search the web, and use instant messaging. The organization's Information Technology (IT) department discovers that a peer-to-peer program has been installed on the computer using the employee's access.

Which of the following could have MOST likely prevented the Peer-to-Peer (P2P) program from being installed on the computer?

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

Answer: A

NEW QUESTION 318

- (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 320

- (Exam Topic 10)

A large university needs to enable student access to university resources from their homes. Which of the following provides the BEST option for low maintenance and ease of deployment?

- A. Provide students with Internet Protocol Security (IPSec) Virtual Private Network (VPN) client software.
- B. Use Secure Sockets Layer (SSL) VPN technology.
- C. Use Secure Shell (SSH) with public/private keys.
- D. Require students to purchase home router capable of VPN.

Answer: B

NEW QUESTION 323

- (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 326

- (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 327

- (Exam Topic 10)

From a security perspective, which of the following is a best practice to configure a Domain Name Service (DNS) system?

- A. Configure secondary servers to use the primary server as a zone forwarder.
- B. Block all Transmission Control Protocol (TCP) connections.
- C. Disable all recursive queries on the name servers.
- D. Limit zone transfers to authorized devices.

Answer: D

NEW QUESTION 328

- (Exam Topic 10)

An organization's data policy MUST include a data retention period which is based on

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

Answer: D

NEW QUESTION 330

- (Exam Topic 10)

Refer to the information below to answer the question.

An organization experiencing a negative financial impact is forced to reduce budgets and the number of Information Technology (IT) operations staff performing basic logical access security administration functions. Security processes have been tightly integrated into normal IT operations and are not separate and distinct roles.

When determining appropriate resource allocation, which of the following is MOST important to monitor?

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

Answer: B

NEW QUESTION 335

- (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 339

- (Exam Topic 10)

A risk assessment report recommends upgrading all perimeter firewalls to mitigate a particular finding. Which of the following BEST supports this recommendation?

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

Answer: C

NEW QUESTION 340

- (Exam Topic 10)

During an audit, the auditor finds evidence of potentially illegal activity. Which of the following is the MOST appropriate action to take?

- A. Immediately call the police
- B. Work with the client to resolve the issue internally
- C. Advise the person performing the illegal activity to cease and desist
- D. Work with the client to report the activity to the appropriate authority

Answer: D

NEW QUESTION 344

- (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 347

- (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 349

- (Exam Topic 10)

Which of the following is critical for establishing an initial baseline for software components in the operation and maintenance of applications?

- A. Application monitoring procedures
- B. Configuration control procedures
- C. Security audit procedures
- D. Software patching procedures

Answer: B

NEW QUESTION 353

- (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.

Aside from the potential records which may have been viewed, which of the following should be the PRIMARY concern regarding the database information?

- A. Unauthorized database changes
- B. Integrity of security logs
- C. Availability of the database
- D. Confidentiality of the incident

Answer: A

NEW QUESTION 358

- (Exam Topic 11)

Which of the following BEST describes the purpose of performing security certification?

- A. To identify system threats, vulnerabilities, and acceptable level of risk
- B. To formalize the confirmation of compliance to security policies and standards
- C. To formalize the confirmation of completed risk mitigation and risk analysis
- D. To verify that system architecture and interconnections with other systems are effectively implemented

Answer: B

NEW QUESTION 361

- (Exam Topic 11)

Which of the following prevents improper aggregation of privileges in Role Based Access Control (RBAC)?

- A. Hierarchical inheritance
- B. Dynamic separation of duties
- C. The Clark-Wilson security model
- D. The Bell-LaPadula security model

Answer: B

NEW QUESTION 365

- (Exam Topic 11)

The application of which of the following standards would BEST reduce the potential for data breaches?

- A. ISO 9000
- B. ISO 20121
- C. ISO 26000
- D. ISO 27001

Answer: D

NEW QUESTION 368

- (Exam Topic 11)

A health care provider is considering Internet access for their employees and patients. Which of the following is the organization's MOST secure solution for protection of data?

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

Answer: A

NEW QUESTION 370

- (Exam Topic 11)

What is the MOST effective method of testing custom application code?

- A. Negative testing
- B. White box testing
- C. Penetration testing
- D. Black box testing

Answer: B

NEW QUESTION 374

- (Exam Topic 11)

If an identification process using a biometric system detects a 100% match between a presented template and a stored template, what is the interpretation of this result?

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

Answer: B

NEW QUESTION 376

- (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 380

- (Exam Topic 11)

Which of the following BEST describes a Protection Profile (PP)?

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

Answer: A

NEW QUESTION 382

- (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 384

- (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 386

- (Exam Topic 11)

Which of the following is the MOST important element of change management documentation?

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

Answer: C

NEW QUESTION 391

- (Exam Topic 11)

What should happen when an emergency change to a system must be performed?

- A. The change must be given priority at the next meeting of the change control board.
- B. Testing and approvals must be performed quickly.
- C. The change must be performed immediately and then submitted to the change board.
- D. The change is performed and a notation is made in the system log.

Answer: B

NEW QUESTION 393

- (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 397

- (Exam Topic 11)

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

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

Answer: D

NEW QUESTION 402

- (Exam Topic 11)

Which of the following has the GREATEST impact on an organization's security posture?

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

Answer: A

NEW QUESTION 404

- (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 408

- (Exam Topic 11)

Which of the following PRIMARILY contributes to security incidents in web-based applications?

- A. Systems administration and operating systems
- B. System incompatibility and patch management
- C. Third-party applications and change controls
- D. Improper stress testing and application interfaces

Answer: C

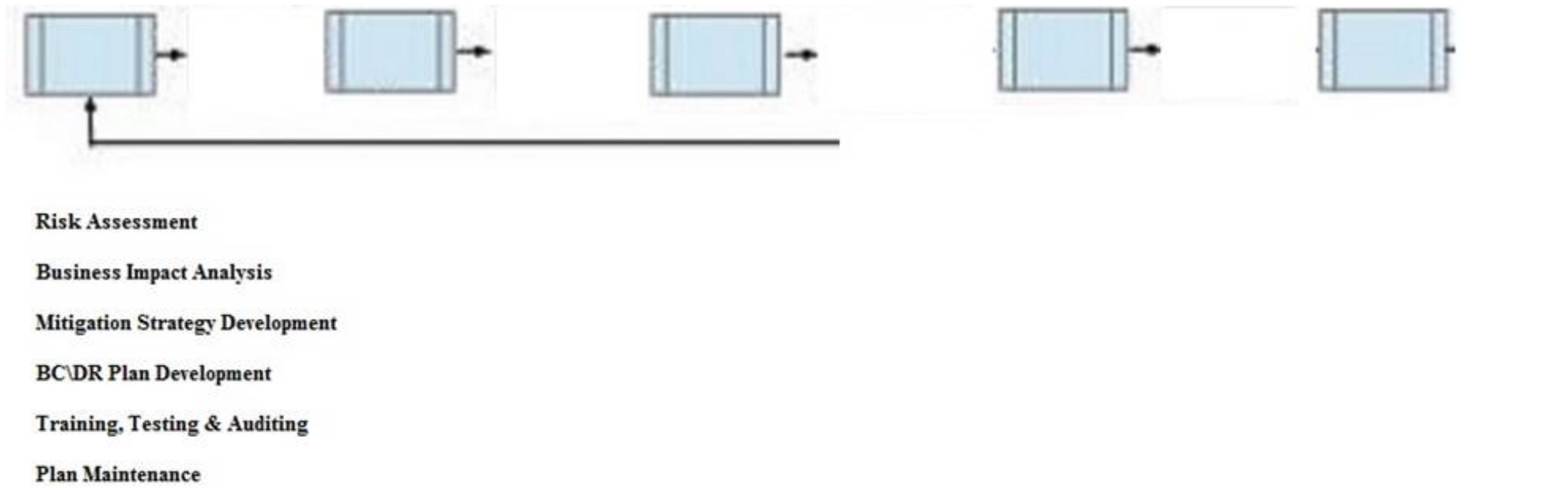
NEW QUESTION 409

- (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?

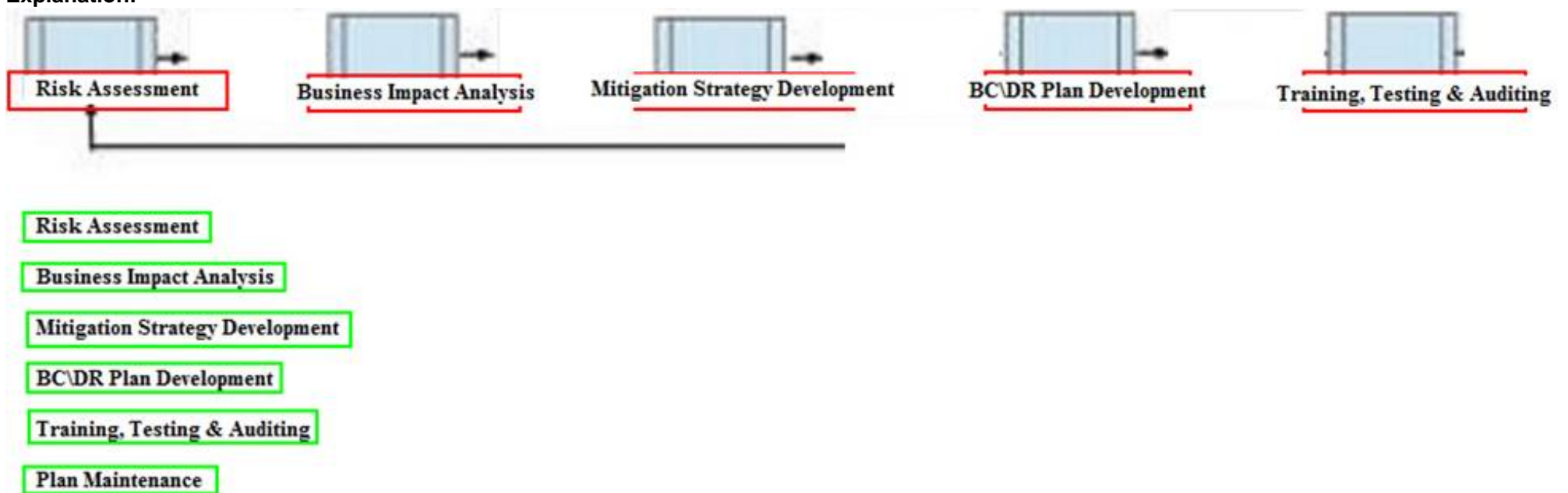
Below are the common phases to creating a Business Continuity/Disaster Recovery (BC/DR) plan. Drag the remaining BC\DR phases to the appropriate corresponding location.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 412

- (Exam Topic 11)

Regarding asset security and appropriate retention, which of the following INITIAL top three areas are important to focus on?

- A. Security control baselines, access controls, employee awareness and training
- B. Human resources, asset management, production management
- C. Supply chain lead time, inventory control, encryption
- D. Polygraphs, crime statistics, forensics

Answer: A

NEW QUESTION 415

- (Exam Topic 11)

Which of the following is the BEST method to assess the effectiveness of an organization's vulnerability management program?

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

Answer: B

NEW QUESTION 416

- (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 418

- (Exam Topic 11)

Which of the following analyses is performed to protect information assets?

- A. Business impact analysis
- B. Feasibility analysis
- C. Cost benefit analysis
- D. Data analysis

Answer: A

NEW QUESTION 419

- (Exam Topic 11)

Single Sign-On (SSO) is PRIMARILY designed to address which of the following?

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

Answer: D

NEW QUESTION 420

- (Exam Topic 11)

Discretionary Access Control (DAC) restricts access according to

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

Answer: C

NEW QUESTION 423

- (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 425

- (Exam Topic 11)

An organization lacks a data retention policy. Of the following, who is the BEST person to consult for such requirement?

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

Answer: C

NEW QUESTION 429

- (Exam Topic 11)

What is the PRIMARY difference between security policies and security procedures?

- A. Policies are used to enforce violations, and procedures create penalties
- B. Policies point to guidelines, and procedures are more contractual in nature
- C. Policies are included in awareness training, and procedures give guidance
- D. Policies are generic in nature, and procedures contain operational details

Answer: D

NEW QUESTION 434

- (Exam Topic 11)

An organization has hired a security services firm to conduct a penetration test. Which of the following will the organization provide to the tester?

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

Answer:

A

NEW QUESTION 438

- (Exam Topic 11)

Which of the following command line tools can be used in the reconnaissance phase of a network vulnerability assessment?

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

Answer: A

NEW QUESTION 442

- (Exam Topic 11)

Which of the following describes the BEST configuration management practice?

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

Answer: D

NEW QUESTION 445

- (Exam Topic 11)

Which of the following is the PRIMARY security concern associated with the implementation of smart cards?

- A. The cards have limited memory
- B. Vendor application compatibility
- C. The cards can be misplaced
- D. Mobile code can be embedded in the card

Answer: C

NEW QUESTION 450

- (Exam Topic 11)

Which of the following is the BEST example of weak management commitment to the protection of security assets and resources?

- A. poor governance over security processes and procedures
- B. immature security controls and procedures
- C. variances against regulatory requirements
- D. unanticipated increases in security incidents and threats

Answer: A

NEW QUESTION 455

- (Exam Topic 11)

Which of the following explains why record destruction requirements are included in a data retention policy?

- A. To comply with legal and business requirements
- B. To save cost for storage and backup
- C. To meet destruction guidelines
- D. To validate data ownership

Answer: A

NEW QUESTION 457

- (Exam Topic 11)

The BEST example of the concept of "something that a user has" when providing an authorized user access to a computing system is

- A. the user's hand geometry.
- B. a credential stored in a token.
- C. a passphrase.
- D. the user's face.

Answer: B

NEW QUESTION 460

- (Exam Topic 11)

Which of the following is the PRIMARY concern when using an Internet browser to access a cloud-based service?

- A. Insecure implementation of Application Programming Interfaces (API)
- B. Improper use and storage of management keys
- C. Misconfiguration of infrastructure allowing for unauthorized access
- D. Vulnerabilities within protocols that can expose confidential data

Answer: D

NEW QUESTION 464

- (Exam Topic 11)

What type of encryption is used to protect sensitive data in transit over a network?

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

Answer: A

NEW QUESTION 466

- (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?

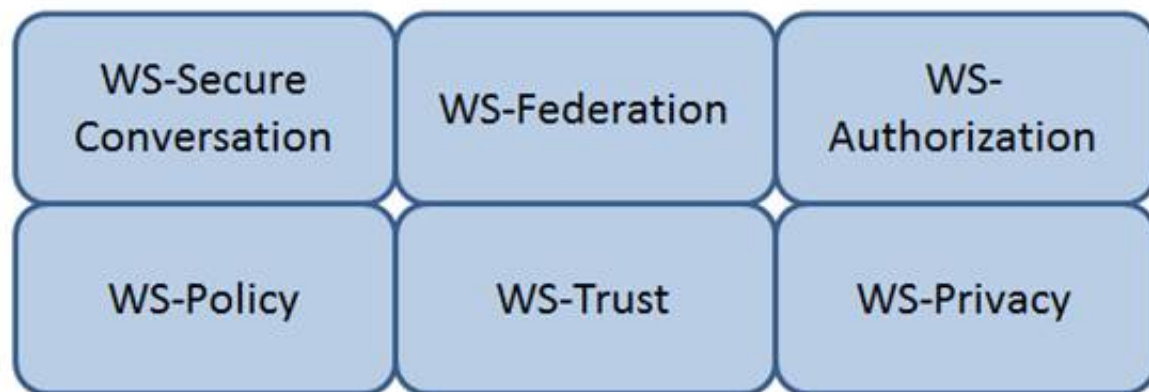
- A. Acceptance of risk by the authorizing official
- B. Remediation of vulnerabilities
- C. Adoption of standardized policies and procedures
- D. Approval of the System Security Plan (SSP)

Answer: A

NEW QUESTION 468

- (Exam Topic 11)

Which Web Services Security (WS-Security) specification maintains a single authenticated identity across multiple dissimilar environments? Click on the correct specification in the image below.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

WS-Federation

Reference: Java Web Services: Up and Running” By Martin Kalin page 228

NEW QUESTION 472

- (Exam Topic 11)

Match the objectives to the assessment questions in the governance domain of Software Assurance Maturity Model (SAMM).

Secure Architecture		Do you advertise shared security services with guidance for project teams?
Education & Guidance		Are most people tested to ensure a baseline skill- set for secure development practices?
Strategy & Metrics		Does most of the organization know about what's required based on risk ratings?
Vulnerability Management		Are most project teams aware of their security point(s) of contact and response team(s)?

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Secure Architecture	Secure Architecture	Do you advertise shared security services with guidance for project teams?
Education & Guidance	Education & Guidance	Are most people tested to ensure a baseline skill- set for secure development practices?
Strategy & Metrics	Strategy & Metrics	Does most of the organization know about what's required based on risk ratings?
Vulnerability Management	Vulnerability Management	Are most project teams aware of their security point(s) of contact and response team(s)?

NEW QUESTION 474

- (Exam Topic 11)

A security professional is asked to provide a solution that restricts a bank teller to only perform a savings deposit transaction but allows a supervisor to perform corrections after the transaction. Which of the following is the MOST effective solution?

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

Answer: C

NEW QUESTION 477

- (Exam Topic 11)

For privacy protected data, which of the following roles has the highest authority for establishing dissemination rules for the data?

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

Answer: B

NEW QUESTION 479

- (Exam Topic 11)

Secure Sockets Layer (SSL) encryption protects

- A. data at rest.
B. the source IP address.
C. data transmitted.
D. data availability.

Answer: C

NEW QUESTION 484

- (Exam Topic 11)

Which of the following is an advantage of on-premise Credential Management Systems?

- A. Improved credential interoperability
B. Control over system configuration

- C. Lower infrastructure capital costs
- D. Reduced administrative overhead

Answer: B

NEW QUESTION 489

- (Exam Topic 11)

Which of the following controls is the FIRST step in protecting privacy in an information system?

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

Answer: B

NEW QUESTION 494

- (Exam Topic 11)

Software Code signing is used as a method of verifying what security concept?

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

Answer: A

NEW QUESTION 498

- (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 500

- (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 502

- (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 507

- (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 508

- (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 510

- (Exam Topic 11)

Place in order, from BEST (1) to WORST (4), the following methods to reduce the risk of data remanence on magnetic media.

Sequence		Method
1		Overwriting
2		Degaussing
3		Destruction
4		Deleting

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Sequence		Method
1	3	Overwriting
2	2	Degaussing
3	1	Destruction
4	4	Deleting

NEW QUESTION 511

- (Exam Topic 11)

What security risk does the role-based access approach mitigate MOST effectively?

- A. Excessive access rights to systems and data
- B. Segregation of duties conflicts within business applications
- C. Lack of system administrator activity monitoring
- D. Inappropriate access requests

Answer: A

NEW QUESTION 513

- (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 518

- (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 520

- (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 525

- (Exam Topic 11)

For an organization considering two-factor authentication for secure network access, which of the following is MOST secure?

- A. Challenge response and private key
- B. Digital certificates and Single Sign-On (SSO)
- C. Tokens and passphrase
- D. Smart card and biometrics

Answer: D

NEW QUESTION 529

- (Exam Topic 11)

When in the Software Development Life Cycle (SDLC) MUST software security functional requirements be defined?

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

Answer: B

NEW QUESTION 530

- (Exam Topic 11)

Which of the following BEST avoids data remanence disclosure for cloud hosted resources?

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

Answer: A

NEW QUESTION 533

- (Exam Topic 11)

Which of the following is a recommended alternative to an integrated email encryption system?

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

Answer: C

NEW QUESTION 535

- (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 539

- (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 544

- (Exam Topic 11)

Which of the following secures web transactions at the Transport Layer?

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

Answer: B

NEW QUESTION 545

- (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 550

- (Exam Topic 11)

Which of the following is the MOST important output from a mobile application threat modeling exercise according to Open Web Application Security Project (OWASP)?

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

Answer: D

NEW QUESTION 551

- (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 552

- (Exam Topic 11)

Which of the following is the PRIMARY benefit of implementing data-in-use controls?

- A. If the data is lost, it must be decrypted to be opened.
- B. If the data is lost, it will not be accessible to unauthorized users.
- C. When the data is being viewed, it can only be printed by authorized users.
- D. When the data is being viewed, it must be accessed using secure protocols.

Answer: C

NEW QUESTION 557

- (Exam Topic 11)

In order for a security policy to be effective within an organization, it MUST include

- A. strong statements that clearly define the problem.
- B. a list of all standards that apply to the policy.
- C. owner information and date of last revision.
- D. disciplinary measures for non compliance.

Answer: D

NEW QUESTION 562

- (Exam Topic 11)

By carefully aligning the pins in the lock, which of the following defines the opening of a mechanical lock without the proper key?

- A. Lock ping
- B. Lock picking
- C. Lock bumping
- D. Lock bricking

Answer: B

NEW QUESTION 566

- (Exam Topic 11)

A global organization wants to implement hardware tokens as part of a multifactor authentication solution for remote access. The PRIMARY advantage of this implementation is

- A. the scalability of token enrollment.
- B. increased accountability of end users.
- C. it protects against unauthorized access.
- D. it simplifies user access administration.

Answer: C

NEW QUESTION 569

- (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 573

- (Exam Topic 12)

A proxy firewall operates at what layer of the Open System Interconnection (OSI) model?

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

Answer: D

NEW QUESTION 576

- (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 581

- (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 585

- (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 588

- (Exam Topic 12)

Which of the following information MUST be provided for user account provisioning?

- A. Full name

- B. Unique identifier
- C. Security question
- D. Date of birth

Answer: B

NEW QUESTION 593

- (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 598

- (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 600

- (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 601

- (Exam Topic 12)

Which Radio Frequency Interference (RFI) phenomenon associated with bundled cable runs can create information leakage?

- A. Transference
- B. Covert channel
- C. Bleeding
- D. Cross-talk

Answer: D

NEW QUESTION 606

- (Exam Topic 12)

Which of the following is a strategy of grouping requirements in developing a Security Test and Evaluation (ST&E)?

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

Answer: B

NEW QUESTION 607

- (Exam Topic 12)

Which of the following is the MAIN reason for using configuration management?

- A. To provide centralized administration
- B. To reduce the number of changes
- C. To reduce errors during upgrades
- D. To provide consistency in security controls

Answer: D

NEW QUESTION 610

- (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 613

- (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.

E-Authentication Token		Description
Memorized 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
Look-up Secret Token		A series of responses to a set of prompts or challenges established by the subscriber and credential service provider during the registration process
Pre-registered Knowledge Token		A secret shared between the subscriber and credential service provider that is typically character strings

- 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 617

- (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 621

- (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 623

- (Exam Topic 12)

Which of the following is MOST important when deploying digital certificates?

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

Answer: B

NEW QUESTION 625

- (Exam Topic 12)

During which of the following processes is least privilege implemented for a user account?

- A. Provision
- B. Approve
- C. Request
- D. Review

Answer: A

NEW QUESTION 628

- (Exam Topic 12)

Which of the following is a document that identifies each item seized in an investigation, including date and time seized, full name and signature or initials of the person who seized the item, and a detailed description of the item?

- A. Property book
- B. Chain of custody form
- C. Search warrant return
- D. Evidence tag

Answer: D

NEW QUESTION 630

- (Exam Topic 12)

Which type of security testing is being performed when an ethical hacker has no knowledge about the target system but the testing target is notified before the test?

- A. Reversal
- B. Gray box
- C. Blind
- D. White box

Answer: B

NEW QUESTION 631

- (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 632

- (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 635

- (Exam Topic 12)

Which of the following command line tools can be used in the reconnaissance phase of a network vulnerability assessment?

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

Answer: A

NEW QUESTION 636

- (Exam Topic 12)

Determining outage costs caused by a disaster can BEST be measured by the

- A. cost of redundant systems and backups.
- B. cost to recover from an outage.
- C. overall long-term impact of the outage.
- D. revenue lost during the outage.

Answer: C

NEW QUESTION 638

- (Exam Topic 12)

A company was ranked as high in the following National Institute of Standards and Technology (NIST) functions: Protect, Detect, Respond and Recover. However, a low maturity grade was attributed to the Identify function. In which of the following the controls categories does this company need to improve when analyzing its processes individually?

- A. Asset Management, Business Environment, Governance and Risk Assessment
- B. Access Control, Awareness and Training, Data Security and Maintenance
- C. Anomalies and Events, Security Continuous Monitoring and Detection Processes
- D. Recovery Planning, Improvements and Communications

Answer: A

NEW QUESTION 640

- (Exam Topic 12)

Which of the following would BEST describe the role directly responsible for data within an organization?

- A. Data custodian
- B. Information owner
- C. Database administrator
- D. Quality control

Answer: A

NEW QUESTION 642

- (Exam Topic 12)

What is the BEST way to encrypt web application communications?

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

Answer: D

NEW QUESTION 646

- (Exam Topic 12)

At which layer of the Open Systems Interconnect (OSI) model are the source and destination address for a datagram handled?

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

Answer: C

NEW QUESTION 648

- (Exam Topic 12)

Which of the following is the PRIMARY benefit of a formalized information classification program?

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

Answer: B

NEW QUESTION 650

- (Exam Topic 12)

Which of the following is needed to securely distribute symmetric cryptographic keys?

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

Answer: C

NEW QUESTION 651

- (Exam Topic 12)

Which of the following approaches is the MOST effective way to dispose of data on multiple hard drives?

- A. Delete every file on each drive.
- B. Destroy the partition table for each drive using the command line.
- C. Degauss each drive individually.
- D. Perform multiple passes on each drive using approved formatting methods.

Answer: D

NEW QUESTION 653

- (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 657

- (Exam Topic 12)

What is an advantage of Elliptic Curve Cryptography (ECC)?

- A. Cryptographic approach that does not require a fixed-length key
- B. Military-strength security that does not depend upon secrecy of the algorithm
- C. Opportunity to use shorter keys for the same level of security
- D. Ability to use much longer keys for greater security

Answer: C

NEW QUESTION 661

- (Exam Topic 12)

Which of the following is a weakness of Wired Equivalent Privacy (WEP)?

- A. Length of Initialization Vector (IV)
- B. Protection against message replay
- C. Detection of message tampering
- D. Built-in provision to rotate keys

Answer: A

NEW QUESTION 664

- (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 667

- (Exam Topic 12)

An organization publishes and periodically updates its employee policies in a file on their intranet. Which of the following is a PRIMARY security concern?

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

Answer: C

NEW QUESTION 670

- (Exam Topic 12)

In configuration management, what baseline configuration information MUST be maintained for each computer system?

- A. Operating system and version, patch level, applications running, and versions.
- B. List of system changes, test reports, and change approvals
- C. Last vulnerability assessment report and initial risk assessment report
- D. Date of last update, test report, and accreditation certificate

Answer:

A

NEW QUESTION 674

- (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 675

- (Exam Topic 12)

When evaluating third-party applications, which of the following is the GREATEST responsibility of Information Security?

- A. Accept the risk on behalf of the organization.
- B. Report findings to the business to determine security gaps.
- C. Quantify the risk to the business for product selection.
- D. Approve the application that best meets security requirements.

Answer: C

NEW QUESTION 677

- (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 682

- (Exam Topic 12)

For network based evidence, which of the following contains traffic details of all network sessions in order to detect anomalies?

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

Answer: D

NEW QUESTION 683

- (Exam Topic 12)

When designing a vulnerability test, which one of the following is likely to give the BEST indication of what components currently operate on the network?

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

Answer: D

NEW QUESTION 687

- (Exam Topic 12)

Knowing the language in which an encrypted message was originally produced might help a cryptanalyst to perform a

- A. clear-text attack.
- B. known cipher attack.
- C. frequency analysis.
- D. stochastic assessment.

Answer: C

NEW QUESTION 689

- (Exam Topic 12)

Backup information that is critical to the organization is identified through a

- A. Vulnerability Assessment (VA).
- B. Business Continuity Plan (BCP).
- C. Business Impact Analysis (BIA).

D. data recovery analysis.

Answer: D

NEW QUESTION 690

- (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 692

- (Exam Topic 12)

In which identity management process is the subject's identity established?

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

Answer: D

NEW QUESTION 697

- (Exam Topic 12)

During the Security Assessment and Authorization process, what is the PRIMARY purpose for conducting a hardware and software inventory?

- A. Calculate the value of assets being accredited.
- B. Create a list to include in the Security Assessment and Authorization package.
- C. Identify obsolete hardware and software.
- D. Define the boundaries of the information system.

Answer: A

NEW QUESTION 701

- (Exam Topic 12)

What balance MUST be considered when web application developers determine how informative application error messages should be constructed?

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

Answer: A

NEW QUESTION 705

- (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 710

- (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 714

- (Exam Topic 13)

Which of the following steps should be performed FIRST when purchasing Commercial Off-The-Shelf (COTS) software?

- A. undergo a security assessment as part of authorization process
- B. establish a risk management strategy
- C. harden the hosting server, and perform hosting and application vulnerability scans
- D. establish policies and procedures on system and services acquisition

Answer: D

NEW QUESTION 718

- (Exam Topic 13)

Which one of the following is an advantage of an effective release control strategy from a configuration control standpoint?

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

Answer: C

NEW QUESTION 721

- (Exam Topic 13)

Why is planning in Disaster Recovery (DR) an interactive process?

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

Answer: B

NEW QUESTION 726

- (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 728

- (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 731

- (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 734

- (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 739

- (Exam Topic 13)

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

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

Answer: B

NEW QUESTION 742

- (Exam Topic 13)

As part of the security assessment plan, the security professional has been asked to use a negative testing strategy on a new website. Which of the following actions would be performed?

- A. Use a web scanner to scan for vulnerabilities within the website.
- B. Perform a code review to ensure that the database references are properly addressed.
- C. Establish a secure connection to the web server to validate that only the approved ports are open.
- D. Enter only numbers in the web form and verify that the website prompts the user to enter a valid input.

Answer: D

NEW QUESTION 744

- (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 747

- (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 750

- (Exam Topic 13)

An organization plan on purchasing a custom software product developed by a small vendor to support its business model. Which unique consideration should be made part of the contractual agreement potential long-term risks associated with creating this dependency?

- A. A source code escrow clause
- B. Right to request an independent review of the software source code
- C. Due diligence form requesting statements of compliance with security requirements
- D. Access to the technical documentation

Answer: B

NEW QUESTION 752

- (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 755

- (Exam Topic 13)

A Denial of Service (DoS) attack on a syslog server exploits weakness in which of the following protocols?

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

Answer: B

NEW QUESTION 756

- (Exam Topic 13)

It is MOST important to perform which of the following to minimize potential impact when implementing a new vulnerability scanning tool in a production environment?

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

Answer: A

Explanation:

Section: Security Operations

NEW QUESTION 757

- (Exam Topic 13)

What is the process of removing sensitive data from a system or storage device with the intent that the data cannot be reconstructed by any known technique?

- A. Purging
- B. Encryption
- C. Destruction
- D. Clearing

Answer: A

NEW QUESTION 761

- (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 766

- (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 768

- (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 772

- (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 the organization
- D. Create Access Control Lists (ACL) based on Media Access Control (MAC) addresses

Answer: D

NEW QUESTION 775

- (Exam Topic 13)

What is the MAIN purpose of a change management policy?

- A. To assure management that changes to the Information Technology (IT) infrastructure are necessary
- B. To identify the changes that may be made to the Information Technology (IT) infrastructure
- C. To verify that changes to the Information Technology (IT) infrastructure are approved
- D. To determine the necessary for implementing modifications to the Information Technology (IT) infrastructure

Answer: C

Explanation:

Section: Security Operations

NEW QUESTION 777

- (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 778

- (Exam Topic 13)

What are the steps of a risk assessment?

- A. identification, analysis, evaluation
- B. analysis, evaluation, mitigation
- C. classification, identification, risk management
- D. identification, evaluation, mitigation

Answer: A

Explanation:

Section: Security Assessment and Testing

NEW QUESTION 781

- (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 783

- (Exam Topic 13)

Which of the following is a responsibility of the information owner?

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

Answer: C

NEW QUESTION 786

- (Exam Topic 13)

Which type of test would an organization perform in order to locate and target exploitable defects?

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

Answer: A

NEW QUESTION 787

- (Exam Topic 13)

The core component of Role Based Access Control (RBAC) must be constructed of defined data elements. Which elements are required?

- A. Users, permissions, operations, and protected objects
- B. Roles, accounts, permissions, and protected objects
- C. Users, roles, operations, and protected objects
- D. Roles, operations, accounts, and protected objects

Answer: C

NEW QUESTION 790

- (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 792

- (Exam Topic 13)

Within the company, desktop clients receive Internet Protocol (IP) address over Dynamic Host Configuration Protocol (DHCP). Which of the following represents a valid measure to help protect the network against unauthorized access?

- A. Implement path management
- B. Implement port based security through 802.1x
- C. Implement DHCP to assign IP address to server systems
- D. Implement change management

Answer: B

NEW QUESTION 794

- (Exam Topic 13)

Which of the following is MOST appropriate for protecting confidentiality of data stored on a hard drive?

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

Answer: B

NEW QUESTION 799

- (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 802

- (Exam Topic 13)

What is the expected outcome of security awareness in support of a security awareness program?

- A. Awareness activities should be used to focus on security concerns and respond to those concerns accordingly
- B. Awareness is not an activity or part of the training but rather a state of persistence to support the program
- C. Awareness is training
- D. The purpose of awareness presentations is to broaden attention of security.
- E. Awareness is not training
- F. The purpose of awareness presentation is simply to focus attention on security.

Answer: C

NEW QUESTION 804

- (Exam Topic 13)

Which of the following entails identification of data and links to business processes, applications, and data stores as well as assignment of ownership responsibilities?

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

Answer: B

NEW QUESTION 806

- (Exam Topic 13)

Which of the following would MINIMIZE the ability of an attacker to exploit a buffer overflow?

- A. Memory review
- B. Code review
- C. Message division
- D. Buffer division

Answer: B

NEW QUESTION 810

- (Exam Topic 13)

Who is accountable for the information within an Information System (IS)?

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

Answer: B

Explanation:

Section: Security Operations

NEW QUESTION 812

- (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 confidentiality

Answer: D

NEW QUESTION 817

- (Exam Topic 13)

A chemical plant wants to upgrade the Industrial Control System (ICS) to transmit data using Ethernet instead of RS422. The project manager wants to simplify administration and maintenance by utilizing the office network infrastructure and staff to implement this upgrade.

Which of the following is the GREATEST impact on security for the network?

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

Answer: B

NEW QUESTION 821

- (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 826

- (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 829

- (Exam Topic 13)

What does a Synchronous (SYN) flood attack do?

- A. Forces Transmission Control Protocol /Internet Protocol (TCP/IP) connections into a reset state
- B. Establishes many new Transmission Control Protocol / Internet Protocol (TCP/IP) connections
- C. Empties the queue of pending Transmission Control Protocol /Internet Protocol (TCP/IP) requests
- D. Exceeds the limits for new Transmission Control Protocol /Internet Protocol (TCP/IP) connections

Answer: B

NEW QUESTION 834

- (Exam Topic 13)

A minimal implementation of endpoint security includes which of the following?

- A. Trusted platforms
- B. Host-based firewalls
- C. Token-based authentication
- D. Wireless Access Points (AP)

Answer: A

NEW QUESTION 835

- (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 839

- (Exam Topic 13)

During examination of Internet history records, the following string occurs within a Unique Resource Locator (URL):

`http://www.companysite.com/products/products.asp?productid=123`

or `1=1`

What type of attack does this indicate?

- A. Directory traversal
- B. Structured Query Language (SQL) injection
- C. Cross-Site Scripting (XSS)
- D. Shellcode injection

Answer: C

NEW QUESTION 842

- (Exam Topic 13)

Attack trees are MOST useful for which of the following?

- A. Determining system security scopes
- B. Generating attack libraries
- C. Enumerating threats
- D. Evaluating Denial of Service (DoS) attacks

Answer: A

NEW QUESTION 846

- (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 849

- (Exam Topic 13)

In Disaster Recovery (DR) and Business Continuity (DC) training, which BEST describes a functional drill?

- A. a functional evacuation of personnel
- B. a specific test by response teams of individual emergency response functions
- C. an activation of the backup site
- D. a full-scale simulation of an emergency and the subsequent response functions.

Answer: D

NEW QUESTION 850

- (Exam Topic 13)

The MAIN use of Layer 2 Tunneling Protocol (L2TP) is to tunnel data

- A. through a firewall at the Session layer
- B. through a firewall at the Transport layer
- C. in the Point-to-Point Protocol (PPP)
- D. in the Payload Compression Protocol (PCP)

Answer: C

NEW QUESTION 853

- (Exam Topic 13)

Which one of the following considerations has the LEAST impact when considering transmission security?

- A. Network availability
- B. Node locations
- C. Network bandwidth
- D. Data integrity

Answer: C

NEW QUESTION 857

- (Exam Topic 13)

“Stateful” differs from “Static” packet filtering firewalls by being aware of which of the following?

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

Answer: A

NEW QUESTION 860

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NEW QUESTION 1

- (Exam Topic 1)

An important principle of defense in depth is that achieving information security requires a balanced focus on which PRIMARY elements?

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

Answer: C

NEW QUESTION 2

- (Exam Topic 1)

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

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

Answer: C

NEW QUESTION 3

- (Exam Topic 1)

All of the following items should be included in a Business Impact Analysis (BIA) questionnaire EXCEPT questions that

- A. determine the risk of a business interruption occurring
- B. determine the technological dependence of the business processes
- C. Identify the operational impacts of a business interruption
- D. Identify the financial impacts of a business interruption

Answer: B

NEW QUESTION 4

- (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 5

- (Exam Topic 1)

What is the MOST important consideration from a data security perspective when an organization plans to relocate?

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

Answer: C

NEW QUESTION 6

- (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 7

- (Exam Topic 2)

Which of the following is an initial consideration when developing an information security management system?

- A. Identify the contractual security obligations that apply to the organizations
- B. Understand the value of the information assets
- C. Identify the level of residual risk that is tolerable to management
- D. Identify relevant legislative and regulatory compliance requirements

Answer: B

NEW QUESTION 8

- (Exam Topic 2)

When implementing a data classification program, why is it important to avoid too much granularity?

- A. The process will require too many resources
- B. It will be difficult to apply to both hardware and software
- C. It will be difficult to assign ownership to the data
- D. The process will be perceived as having value

Answer: A

NEW QUESTION 9

- (Exam Topic 2)

Which of the following is MOST important when assigning ownership of an asset to a department?

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

Answer: B

NEW QUESTION 10

- (Exam Topic 3)

Which of the following mobile code security models relies only on trust?

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

Answer: A

NEW QUESTION 10

- (Exam Topic 3)

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 12

- (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 14

- (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 16

- (Exam Topic 3)

Who in the organization is accountable for classification of data information assets?

- A. Data owner
- B. Data architect

- C. Chief Information Security Officer (CISO)
- D. Chief Information Officer (CIO)

Answer: A

NEW QUESTION 18

- (Exam Topic 4)

An input validation and exception handling vulnerability has been discovered on a critical web-based system. Which of the following is MOST suited to quickly implement a control?

- A. Add a new rule to the application layer firewall
- B. Block access to the service
- C. Install an Intrusion Detection System (IDS)
- D. Patch the application source code

Answer: A

NEW QUESTION 23

- (Exam Topic 5)

Users require access rights that allow them to view the average salary of groups of employees. Which control would prevent the users from obtaining an individual employee's salary?

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

Answer: C

NEW QUESTION 27

- (Exam Topic 6)

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

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

Answer: A

NEW QUESTION 32

- (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 36

- (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 37

- (Exam Topic 7)

Which of the following is a PRIMARY advantage of using a third-party identity service?

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

Answer: D

NEW QUESTION 39

- (Exam Topic 7)

What is the MOST important step during forensic analysis when trying to learn the purpose of an unknown application?

- A. Disable all unnecessary services
- B. Ensure chain of custody
- C. Prepare another backup of the system
- D. Isolate the system from the network

Answer: D

NEW QUESTION 44

- (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 48

- (Exam Topic 7)

What should be the FIRST action to protect the chain of evidence when a desktop computer is involved?

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

Answer: C

NEW QUESTION 49

- (Exam Topic 8)

Which of the following is a web application control that should be put into place to prevent exploitation of Operating System (OS) bugs?

- A. Check arguments in function calls
- B. Test for the security patch level of the environment
- C. Include logging functions
- D. Digitally sign each application module

Answer: B

NEW QUESTION 54

- (Exam Topic 8)

Which of the following is the BEST method to prevent malware from being introduced into a production environment?

- A. Purchase software from a limited list of retailers
- B. Verify the hash key or certificate key of all updates
- C. Do not permit programs, patches, or updates from the Internet
- D. Test all new software in a segregated environment

Answer: D

NEW QUESTION 59

- (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 60

- (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 63

- (Exam Topic 9)

Internet Protocol (IP) source address spoofing is used to defeat

- A. address-based authentication.
- B. Address Resolution Protocol (ARP).
- C. Reverse Address Resolution Protocol (RARP).
- D. Transmission Control Protocol (TCP) hijacking.

Answer: A

NEW QUESTION 68

- (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 71

- (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 73

- (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 78

- (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 83

- (Exam Topic 9)

The key benefits of a signed and encrypted e-mail include

- A. confidentiality, authentication, and authorization.
- B. confidentiality, non-repudiation, and authentication.
- C. non-repudiation, authorization, and authentication.
- D. non-repudiation, confidentiality, and authorization.

Answer: B

NEW QUESTION 86

- (Exam Topic 9)

What technique BEST describes antivirus software that detects viruses by watching anomalous behavior?

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

Answer:

D

NEW QUESTION 89

- (Exam Topic 9)

Why is a system's criticality classification important in large organizations?

- A. It provides for proper prioritization and scheduling of security and maintenance tasks.
- B. It reduces critical system support workload and reduces the time required to apply patches.
- C. It allows for clear systems status communications to executive management.
- D. It provides for easier determination of ownership, reducing confusion as to the status of the asset.

Answer: A

NEW QUESTION 93

- (Exam Topic 9)

Which layer of the Open Systems Interconnections (OSI) model implementation adds information concerning the logical connection between the sender and receiver?

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

Answer: C

NEW QUESTION 94

- (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 97

- (Exam Topic 9)

During an audit of system management, auditors find that the system administrator has not been trained. What actions need to be taken at once to ensure the integrity of systems?

- A. A review of hiring policies and methods of verification of new employees
- B. A review of all departmental procedures
- C. A review of all training procedures to be undertaken
- D. A review of all systems by an experienced administrator

Answer: D

NEW QUESTION 98

- (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 102

- (Exam Topic 9)

The type of authorized interactions a subject can have with an object is

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

Answer: B

NEW QUESTION 103

- (Exam Topic 9)

Which one of the following considerations has the LEAST impact when considering transmission security?

- A. Network availability
- B. Data integrity

- C. Network bandwidth
- D. Node locations

Answer: C

NEW QUESTION 107

- (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 108

- (Exam Topic 9)

The process of mutual authentication involves a computer system authenticating a user and authenticating the

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

Answer: B

NEW QUESTION 112

- (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 113

- (Exam Topic 9)

How can a forensic specialist exclude from examination a large percentage of operating system files residing on a copy of the target system?

- A. Take another backup of the media in question then delete all irrelevant operating system files.
- B. Create a comparison database of cryptographic hashes of the files from a system with the same operating system and patch level.
- C. Generate a message digest (MD) or secure hash on the drive image to detect tampering of the media being examined.
- D. Discard harmless files for the operating system, and known installed programs.

Answer: B

NEW QUESTION 114

- (Exam Topic 9)

Which of the following is the best practice for testing a Business Continuity Plan (BCP)?

- A. Test before the IT Audit
- B. Test when environment changes
- C. Test after installation of security patches
- D. Test after implementation of system patches

Answer: B

NEW QUESTION 118

- (Exam Topic 9)

When building a data center, site location and construction factors that increase the level of vulnerability to physical threats include

- A. hardened building construction with consideration of seismic factors.
- B. adequate distance from and lack of access to adjacent buildings.
- C. curved roads approaching the data center.
- D. proximity to high crime areas of the city.

Answer: D

NEW QUESTION 121

- (Exam Topic 9)

The PRIMARY purpose of a security awareness program is to

- A. ensure that everyone understands the organization's policies and procedures.
- B. communicate that access to information will be granted on a need-to-know basis.
- C. warn all users that access to all systems will be monitored on a daily basis.
- D. comply with regulations related to data and information protection.

Answer: A

NEW QUESTION 125

- (Exam Topic 9)

The BEST method of demonstrating a company's security level to potential customers is

- A. a report from an external auditor.
- B. responding to a customer's security questionnaire.
- C. a formal report from an internal auditor.
- D. a site visit by a customer's security team.

Answer: A

NEW QUESTION 130

- (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 131

- (Exam Topic 9)

Which one of the following is the MOST important in designing a biometric access system if it is essential that no one other than authorized individuals are admitted?

- A. False Acceptance Rate (FAR)
- B. False Rejection Rate (FRR)
- C. Crossover Error Rate (CER)
- D. Rejection Error Rate

Answer: A

NEW QUESTION 136

- (Exam Topic 9)

Which one of the following security mechanisms provides the BEST way to restrict the execution of privileged procedures?

- A. Role Based Access Control (RBAC)
- B. Biometric access control
- C. Federated Identity Management (IdM)
- D. Application hardening

Answer: A

NEW QUESTION 139

- (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 systems controls 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 142

- (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 143

- (Exam Topic 9)

The use of strong authentication, the encryption of Personally Identifiable Information (PII) on database servers, application security reviews, and the encryption of data transmitted across networks provide

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

Answer: B

NEW QUESTION 146

- (Exam Topic 9)

Which 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 151

- (Exam Topic 9)

In Business Continuity Planning (BCP), what is the importance of documenting business processes?

- A. Provides senior management with decision-making tools
- B. Establishes and adopts ongoing testing and maintenance strategies
- C. Defines who will perform which functions during a disaster or emergency
- D. Provides an understanding of the organization's interdependencies

Answer: D

NEW QUESTION 155

- (Exam Topic 9)

What principle requires that changes to the plaintext affect many parts of the ciphertext?

- A. Diffusion
- B. Encapsulation
- C. Obfuscation
- D. Permutation

Answer: A

NEW QUESTION 159

- (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 163

- (Exam Topic 9)

Which of the following is the FIRST step of a penetration test plan?

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

Answer: C

NEW QUESTION 165

- (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 170

- (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 175

- (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 180

- (Exam Topic 9)

Following the completion of a network security assessment, which of the following can BEST be demonstrated?

- A. The effectiveness of controls can be accurately measured
- B. A penetration test of the network will fail
- C. The network is compliant to industry standards
- D. All unpatched vulnerabilities have been identified

Answer: A

NEW QUESTION 184

- (Exam Topic 9)

In a data classification scheme, the data is owned by the

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

Answer: B

NEW QUESTION 185

- (Exam Topic 9)

While impersonating an Information Security Officer (ISO), an attacker obtains information from company employees about their User IDs and passwords. Which method of information gathering has the attacker used?

- A. Trusted path
- B. Malicious logic
- C. Social engineering
- D. Passive misuse

Answer: C

NEW QUESTION 188

- (Exam Topic 9)

Which of the following defines the key exchange for Internet Protocol Security (IPSec)?

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

Answer: B

NEW QUESTION 189

- (Exam Topic 9)

Which of the following actions should be performed when implementing a change to a database schema in a production system?

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

Answer:

D

NEW QUESTION 191

- (Exam Topic 9)

Which of the following is an effective method for avoiding magnetic media data remanence?

- A. Degaussing
- B. Encryption
- C. Data Loss Prevention (DLP)
- D. Authentication

Answer: A

NEW QUESTION 193

- (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 196

- (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 200

- (Exam Topic 9)

Which of the following MUST be done when promoting a security awareness program to senior management?

- A. Show the need for security; identify the message and the audience
- B. Ensure that the security presentation is designed to be all-inclusive
- C. Notify them that their compliance is mandatory
- D. Explain how hackers have enhanced information security

Answer: A

NEW QUESTION 205

- (Exam Topic 9)

What is the MOST effective countermeasure to a malicious code attack against a mobile system?

- A. Sandbox
- B. Change control
- C. Memory management
- D. Public-Key Infrastructure (PKI)

Answer: A

NEW QUESTION 209

- (Exam Topic 9)

Which one of the following affects the classification of data?

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

Answer: A

NEW QUESTION 213

- (Exam Topic 9)

An organization is designing a large enterprise-wide document repository system. They plan to have several different classification level areas with increasing levels of controls. The BEST way to ensure document confidentiality in the repository is to

- A. encrypt the contents of the repository and document any exceptions to that requirement.
- B. utilize Intrusion Detection System (IDS) set drop connections if too many requests for documents are detected.
- C. keep individuals with access to high security areas from saving those documents into lower security areas.

D. require individuals with access to the system to sign Non-Disclosure Agreements (NDA).

Answer: C

NEW QUESTION 214

- (Exam Topic 9)

A system has been scanned for vulnerabilities and has been found to contain a number of communication ports that have been opened without authority. To which of the following might this system have been subjected?

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

Answer: A

NEW QUESTION 218

- (Exam Topic 9)

By allowing storage communications to run on top of Transmission Control Protocol/Internet Protocol (TCP/IP) with a Storage Area Network (SAN), the

- A. confidentiality of the traffic is protected.
- B. opportunity to sniff network traffic exists.
- C. opportunity for device identity spoofing is eliminated.
- D. storage devices are protected against availability attacks.

Answer: B

NEW QUESTION 221

- (Exam Topic 9)

The goal of software assurance in application development is to

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

Answer: C

NEW QUESTION 226

- (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 229

- (Exam Topic 9)

Which of the following statements is TRUE of black box testing?

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

Answer: A

NEW QUESTION 231

- (Exam Topic 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 234

- (Exam Topic 9)

What should be the INITIAL response to Intrusion Detection System/Intrusion Prevention System (IDS/IPS) alerts?

- A. Ensure that the Incident Response Plan is available and current.
- B. Determine the traffic's initial source and block the appropriate port.
- C. Disable or disconnect suspected target and source systems.
- D. Verify the threat and determine the scope of the attack.

Answer: D

NEW QUESTION 235

- (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 236

- (Exam Topic 9)

In Disaster Recovery (DR) and business continuity training, which BEST describes a functional drill?

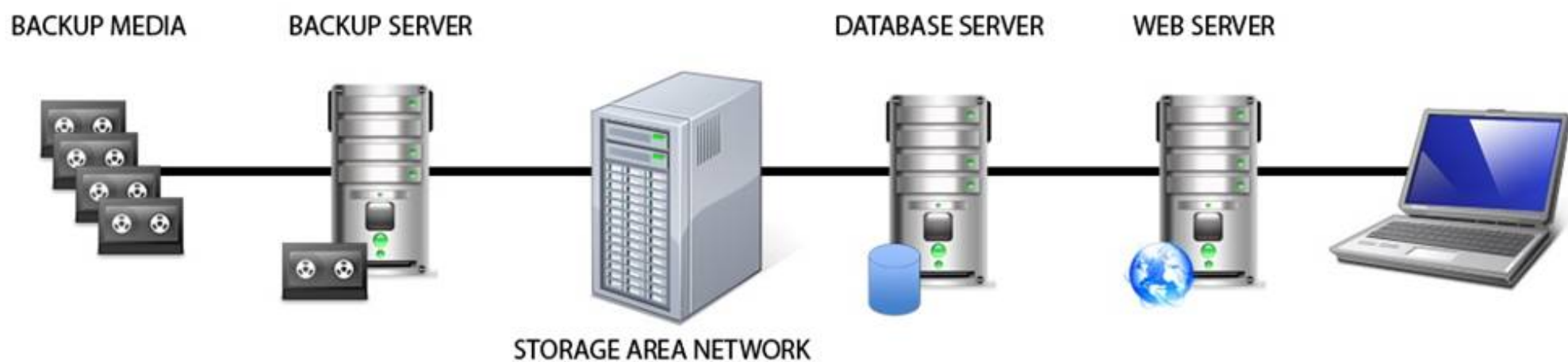
- A. A full-scale simulation of an emergency and the subsequent response functions
- B. A specific test by response teams of individual emergency response functions
- C. A functional evacuation of personnel
- D. An activation of the backup site

Answer: B

NEW QUESTION 239

- (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 243

- (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 247

- (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 248

- (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 251

- (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 252

- (Exam Topic 10)

Which of the following provides effective management assurance for a Wireless Local Area Network (WLAN)?

- A. Maintaining an inventory of authorized Access Points (AP) and connecting devices
- B. Setting the radio frequency to the minimum range required
- C. Establishing a Virtual Private Network (VPN) tunnel between the WLAN client device and a VPN concentrator
- D. Verifying that all default passwords have been changed

Answer: A

NEW QUESTION 254

- (Exam Topic 10)

Refer to the information below to answer the question.

In a Multilevel Security (MLS) system, the following sensitivity labels are used in increasing levels of sensitivity: restricted, confidential, secret, top secret. Table A lists the clearance levels for four users, while Table B lists the security classes of four different files.

Table A

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

Table B

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

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

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

Answer: C

NEW QUESTION 255

- (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 be the PRIMARY security concern as staff is released from the organization?

- A. Inadequate IT support
- B. Loss of data and separation of duties
- C. Undocumented security controls
- D. Additional responsibilities for remaining staff

Answer: B

NEW QUESTION 259

- (Exam Topic 10)

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

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

Answer: D

NEW QUESTION 262

- (Exam Topic 10)

An online retail company has formulated a record retention schedule for customer transactions. Which of the following is a valid reason a customer transaction is kept beyond the retention schedule?

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

Answer: A

NEW QUESTION 263

- (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 266

- (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 268

- (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 272

- (Exam Topic 10)

Refer to the information below to answer the question.

A security practitioner detects client-based attacks on the organization's network. A plan will be necessary to address these concerns. What MUST the plan include in order to reduce client-side exploitation?

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

Answer: D

NEW QUESTION 276

- (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 280

- (Exam Topic 10)

Which of the following are required components for implementing software configuration management systems?

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

Answer: C

NEW QUESTION 284

- (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 289

- (Exam Topic 10)

Which of the following methods provides the MOST protection for user credentials?

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

Answer: B

NEW QUESTION 293

- (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 295

- (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 300

- (Exam Topic 10)

Refer to the information below to answer the question.

A security practitioner detects client-based attacks on the organization's network. A plan will be necessary to address these concerns.

In the plan, what is the BEST approach to mitigate future internal client-based attacks?

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

Answer: D

NEW QUESTION 304

- (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 307

- (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.

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C	Secret
D	Top Secret

Table B

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

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

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

Answer: D

NEW QUESTION 309

- (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 310

- (Exam Topic 10)

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

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

Answer: D

NEW QUESTION 315

- (Exam Topic 10)

Which of the following MUST system and database administrators be aware of and apply when configuring systems used for storing personal employee data?

- A. Secondary use of the data by business users
- B. The organization's security policies and standards
- C. The business purpose for which the data is to be used
- D. The overall protection of corporate resources and data

Answer: B

NEW QUESTION 317

- (Exam Topic 10)

Refer to the information below to answer the question.

A new employee is given a laptop computer with full administrator access. This employee does not have a personal computer at home and has a child that uses the computer to send and receive e-mail, search the web, and use instant messaging. The organization's Information Technology (IT) department discovers that a peer-to-peer program has been installed on the computer using the employee's access.

Which of the following could have MOST likely prevented the Peer-to-Peer (P2P) program from being installed on the computer?

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

Answer: A

NEW QUESTION 318

- (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 320

- (Exam Topic 10)

A large university needs to enable student access to university resources from their homes. Which of the following provides the BEST option for low maintenance and ease of deployment?

- A. Provide students with Internet Protocol Security (IPSec) Virtual Private Network (VPN) client software.
- B. Use Secure Sockets Layer (SSL) VPN technology.
- C. Use Secure Shell (SSH) with public/private keys.
- D. Require students to purchase home router capable of VPN.

Answer: B

NEW QUESTION 323

- (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 326

- (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 327

- (Exam Topic 10)

From a security perspective, which of the following is a best practice to configure a Domain Name Service (DNS) system?

- A. Configure secondary servers to use the primary server as a zone forwarder.
- B. Block all Transmission Control Protocol (TCP) connections.
- C. Disable all recursive queries on the name servers.
- D. Limit zone transfers to authorized devices.

Answer: D

NEW QUESTION 328

- (Exam Topic 10)

An organization's data policy MUST include a data retention period which is based on

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

Answer: D

NEW QUESTION 330

- (Exam Topic 10)

Refer to the information below to answer the question.

An organization experiencing a negative financial impact is forced to reduce budgets and the number of Information Technology (IT) operations staff performing basic logical access security administration functions. Security processes have been tightly integrated into normal IT operations and are not separate and distinct roles.

When determining appropriate resource allocation, which of the following is MOST important to monitor?

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

Answer: B

NEW QUESTION 335

- (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 339

- (Exam Topic 10)

A risk assessment report recommends upgrading all perimeter firewalls to mitigate a particular finding. Which of the following BEST supports this recommendation?

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

Answer: C

NEW QUESTION 340

- (Exam Topic 10)

During an audit, the auditor finds evidence of potentially illegal activity. Which of the following is the MOST appropriate action to take?

- A. Immediately call the police
- B. Work with the client to resolve the issue internally
- C. Advise the person performing the illegal activity to cease and desist
- D. Work with the client to report the activity to the appropriate authority

Answer: D

NEW QUESTION 344

- (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 347

- (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 349

- (Exam Topic 10)

Which of the following is critical for establishing an initial baseline for software components in the operation and maintenance of applications?

- A. Application monitoring procedures
- B. Configuration control procedures
- C. Security audit procedures
- D. Software patching procedures

Answer: B

NEW QUESTION 353

- (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.

Aside from the potential records which may have been viewed, which of the following should be the PRIMARY concern regarding the database information?

- A. Unauthorized database changes
- B. Integrity of security logs
- C. Availability of the database
- D. Confidentiality of the incident

Answer: A

NEW QUESTION 358

- (Exam Topic 11)

Which of the following BEST describes the purpose of performing security certification?

- A. To identify system threats, vulnerabilities, and acceptable level of risk
- B. To formalize the confirmation of compliance to security policies and standards
- C. To formalize the confirmation of completed risk mitigation and risk analysis
- D. To verify that system architecture and interconnections with other systems are effectively implemented

Answer: B

NEW QUESTION 361

- (Exam Topic 11)

Which of the following prevents improper aggregation of privileges in Role Based Access Control (RBAC)?

- A. Hierarchical inheritance
- B. Dynamic separation of duties
- C. The Clark-Wilson security model
- D. The Bell-LaPadula security model

Answer: B

NEW QUESTION 365

- (Exam Topic 11)

The application of which of the following standards would BEST reduce the potential for data breaches?

- A. ISO 9000
- B. ISO 20121
- C. ISO 26000
- D. ISO 27001

Answer: D

NEW QUESTION 368

- (Exam Topic 11)

A health care provider is considering Internet access for their employees and patients. Which of the following is the organization's MOST secure solution for protection of data?

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

Answer: A

NEW QUESTION 370

- (Exam Topic 11)

What is the MOST effective method of testing custom application code?

- A. Negative testing
- B. White box testing
- C. Penetration testing
- D. Black box testing

Answer: B

NEW QUESTION 374

- (Exam Topic 11)

If an identification process using a biometric system detects a 100% match between a presented template and a stored template, what is the interpretation of this result?

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

Answer: B

NEW QUESTION 376

- (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 380

- (Exam Topic 11)

Which of the following BEST describes a Protection Profile (PP)?

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

Answer: A

NEW QUESTION 382

- (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 384

- (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 386

- (Exam Topic 11)

Which of the following is the MOST important element of change management documentation?

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

Answer: C

NEW QUESTION 391

- (Exam Topic 11)

What should happen when an emergency change to a system must be performed?

- A. The change must be given priority at the next meeting of the change control board.
- B. Testing and approvals must be performed quickly.
- C. The change must be performed immediately and then submitted to the change board.
- D. The change is performed and a notation is made in the system log.

Answer: B

NEW QUESTION 393

- (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 397

- (Exam Topic 11)

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

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

Answer: D

NEW QUESTION 402

- (Exam Topic 11)

Which of the following has the GREATEST impact on an organization's security posture?

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

Answer: A

NEW QUESTION 404

- (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 408

- (Exam Topic 11)

Which of the following PRIMARILY contributes to security incidents in web-based applications?

- A. Systems administration and operating systems
- B. System incompatibility and patch management
- C. Third-party applications and change controls
- D. Improper stress testing and application interfaces

Answer: C

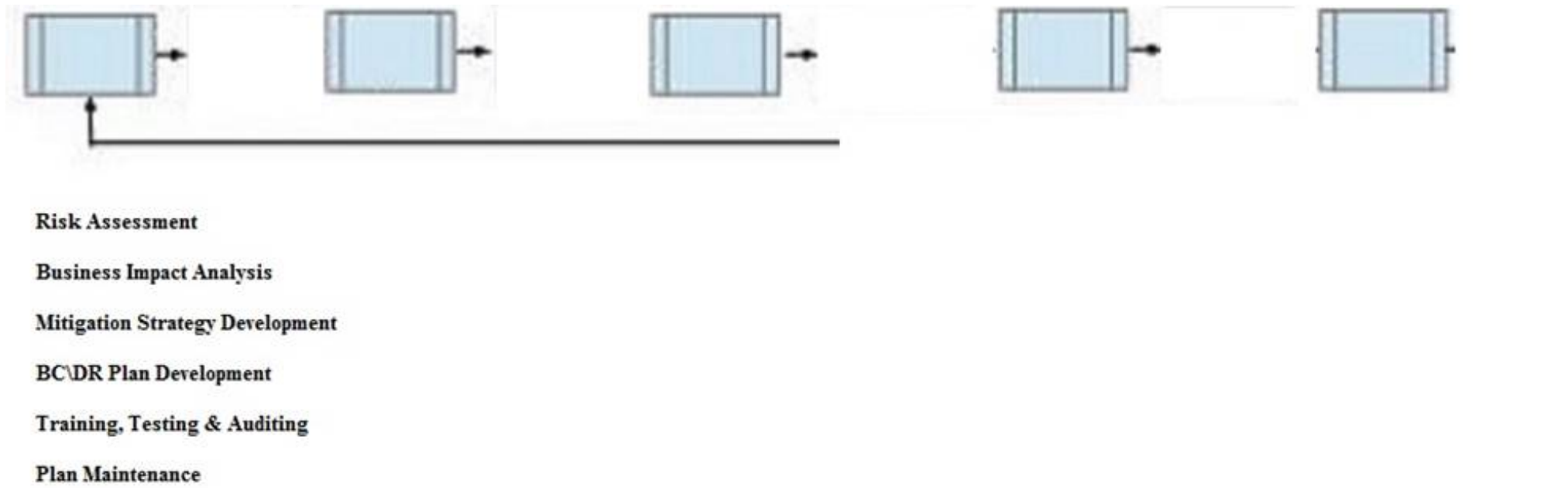
NEW QUESTION 409

- (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?

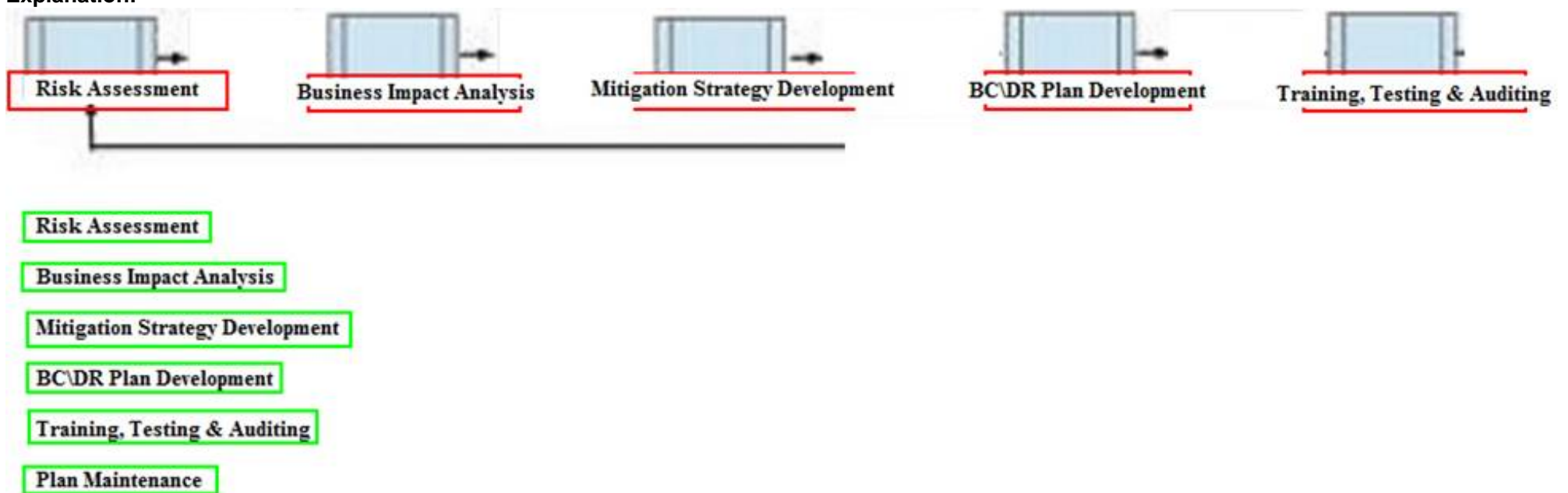
Below are the common phases to creating a Business Continuity/Disaster Recovery (BC/DR) plan. Drag the remaining BC\DR phases to the appropriate corresponding location.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 412

- (Exam Topic 11)

Regarding asset security and appropriate retention, which of the following INITIAL top three areas are important to focus on?

- A. Security control baselines, access controls, employee awareness and training
- B. Human resources, asset management, production management
- C. Supply chain lead time, inventory control, encryption
- D. Polygraphs, crime statistics, forensics

Answer: A

NEW QUESTION 415

- (Exam Topic 11)

Which of the following is the BEST method to assess the effectiveness of an organization's vulnerability management program?

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

Answer: B

NEW QUESTION 416

- (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 418

- (Exam Topic 11)

Which of the following analyses is performed to protect information assets?

- A. Business impact analysis
- B. Feasibility analysis
- C. Cost benefit analysis
- D. Data analysis

Answer: A

NEW QUESTION 419

- (Exam Topic 11)

Single Sign-On (SSO) is PRIMARILY designed to address which of the following?

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

Answer: D

NEW QUESTION 420

- (Exam Topic 11)

Discretionary Access Control (DAC) restricts access according to

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

Answer: C

NEW QUESTION 423

- (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 425

- (Exam Topic 11)

An organization lacks a data retention policy. Of the following, who is the BEST person to consult for such requirement?

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

Answer: C

NEW QUESTION 429

- (Exam Topic 11)

What is the PRIMARY difference between security policies and security procedures?

- A. Policies are used to enforce violations, and procedures create penalties
- B. Policies point to guidelines, and procedures are more contractual in nature
- C. Policies are included in awareness training, and procedures give guidance
- D. Policies are generic in nature, and procedures contain operational details

Answer: D

NEW QUESTION 434

- (Exam Topic 11)

An organization has hired a security services firm to conduct a penetration test. Which of the following will the organization provide to the tester?

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

Answer:

A

NEW QUESTION 438

- (Exam Topic 11)

Which of the following command line tools can be used in the reconnaissance phase of a network vulnerability assessment?

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

Answer: A

NEW QUESTION 442

- (Exam Topic 11)

Which of the following describes the BEST configuration management practice?

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

Answer: D

NEW QUESTION 445

- (Exam Topic 11)

Which of the following is the PRIMARY security concern associated with the implementation of smart cards?

- A. The cards have limited memory
- B. Vendor application compatibility
- C. The cards can be misplaced
- D. Mobile code can be embedded in the card

Answer: C

NEW QUESTION 450

- (Exam Topic 11)

Which of the following is the BEST example of weak management commitment to the protection of security assets and resources?

- A. poor governance over security processes and procedures
- B. immature security controls and procedures
- C. variances against regulatory requirements
- D. unanticipated increases in security incidents and threats

Answer: A

NEW QUESTION 455

- (Exam Topic 11)

Which of the following explains why record destruction requirements are included in a data retention policy?

- A. To comply with legal and business requirements
- B. To save cost for storage and backup
- C. To meet destruction guidelines
- D. To validate data ownership

Answer: A

NEW QUESTION 457

- (Exam Topic 11)

The BEST example of the concept of "something that a user has" when providing an authorized user access to a computing system is

- A. the user's hand geometry.
- B. a credential stored in a token.
- C. a passphrase.
- D. the user's face.

Answer: B

NEW QUESTION 460

- (Exam Topic 11)

Which of the following is the PRIMARY concern when using an Internet browser to access a cloud-based service?

- A. Insecure implementation of Application Programming Interfaces (API)
- B. Improper use and storage of management keys
- C. Misconfiguration of infrastructure allowing for unauthorized access
- D. Vulnerabilities within protocols that can expose confidential data

Answer: D

NEW QUESTION 464

- (Exam Topic 11)

What type of encryption is used to protect sensitive data in transit over a network?

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

Answer: A

NEW QUESTION 466

- (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?

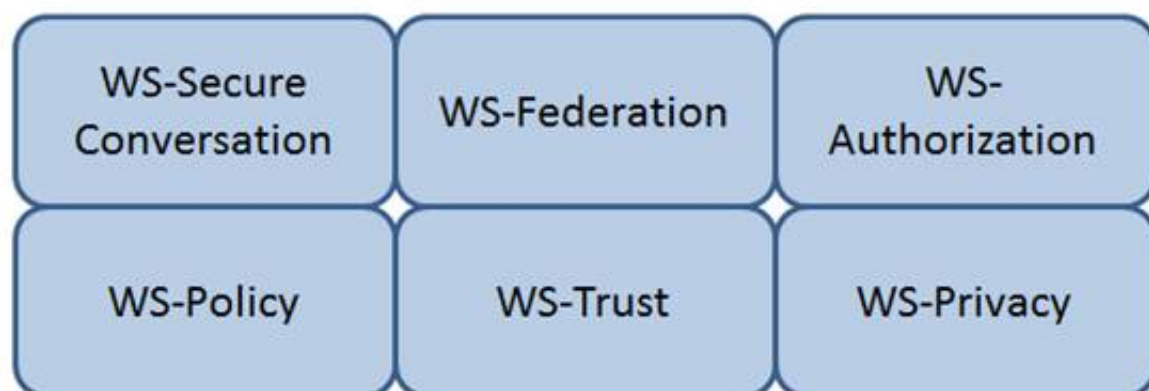
- A. Acceptance of risk by the authorizing official
- B. Remediation of vulnerabilities
- C. Adoption of standardized policies and procedures
- D. Approval of the System Security Plan (SSP)

Answer: A

NEW QUESTION 468

- (Exam Topic 11)

Which Web Services Security (WS-Security) specification maintains a single authenticated identity across multiple dissimilar environments? Click on the correct specification in the image below.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

WS-Federation

Reference: Java Web Services: Up and Running” By Martin Kalin page 228

NEW QUESTION 472

- (Exam Topic 11)

Match the objectives to the assessment questions in the governance domain of Software Assurance Maturity Model (SAMM).

Secure Architecture		Do you advertise shared security services with guidance for project teams?
Education & Guidance		Are most people tested to ensure a baseline skill- set for secure development practices?
Strategy & Metrics		Does most of the organization know about what's required based on risk ratings?
Vulnerability Management		Are most project teams aware of their security point(s) of contact and response team(s)?

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Secure Architecture	Secure Architecture	Do you advertise shared security services with guidance for project teams?
Education & Guidance	Education & Guidance	Are most people tested to ensure a baseline skill- set for secure development practices?
Strategy & Metrics	Strategy & Metrics	Does most of the organization know about what's required based on risk ratings?
Vulnerability Management	Vulnerability Management	Are most project teams aware of their security point(s) of contact and response team(s)?

NEW QUESTION 474

- (Exam Topic 11)

A security professional is asked to provide a solution that restricts a bank teller to only perform a savings deposit transaction but allows a supervisor to perform corrections after the transaction. Which of the following is the MOST effective solution?

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

Answer: C

NEW QUESTION 477

- (Exam Topic 11)

For privacy protected data, which of the following roles has the highest authority for establishing dissemination rules for the data?

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

Answer: B

NEW QUESTION 479

- (Exam Topic 11)

Secure Sockets Layer (SSL) encryption protects

- A. data at rest.
- B. the source IP address.
- C. data transmitted.
- D. data availability.

Answer: C

NEW QUESTION 484

- (Exam Topic 11)

Which of the following is an advantage of on-premise Credential Management Systems?

- A. Improved credential interoperability
- B. Control over system configuration

- C. Lower infrastructure capital costs
- D. Reduced administrative overhead

Answer: B

NEW QUESTION 489

- (Exam Topic 11)

Which of the following controls is the FIRST step in protecting privacy in an information system?

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

Answer: B

NEW QUESTION 494

- (Exam Topic 11)

Software Code signing is used as a method of verifying what security concept?

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

Answer: A

NEW QUESTION 498

- (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 500

- (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 502

- (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 507

- (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 508

- (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 510

- (Exam Topic 11)

Place in order, from BEST (1) to WORST (4), the following methods to reduce the risk of data remanence on magnetic media.

Sequence		Method
1		Overwriting
2		Degaussing
3		Destruction
4		Deleting

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Sequence		Method
1	3	Overwriting
2	2	Degaussing
3	1	Destruction
4	4	Deleting

NEW QUESTION 511

- (Exam Topic 11)

What security risk does the role-based access approach mitigate MOST effectively?

- A. Excessive access rights to systems and data
- B. Segregation of duties conflicts within business applications
- C. Lack of system administrator activity monitoring
- D. Inappropriate access requests

Answer: A

NEW QUESTION 513

- (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 518

- (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 520

- (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 525

- (Exam Topic 11)

For an organization considering two-factor authentication for secure network access, which of the following is MOST secure?

- A. Challenge response and private key
- B. Digital certificates and Single Sign-On (SSO)
- C. Tokens and passphrase
- D. Smart card and biometrics

Answer: D

NEW QUESTION 529

- (Exam Topic 11)

When in the Software Development Life Cycle (SDLC) MUST software security functional requirements be defined?

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

Answer: B

NEW QUESTION 530

- (Exam Topic 11)

Which of the following BEST avoids data remanence disclosure for cloud hosted resources?

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

Answer: A

NEW QUESTION 533

- (Exam Topic 11)

Which of the following is a recommended alternative to an integrated email encryption system?

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

Answer: C

NEW QUESTION 535

- (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 539

- (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 544

- (Exam Topic 11)

Which of the following secures web transactions at the Transport Layer?

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

Answer: B

NEW QUESTION 545

- (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 550

- (Exam Topic 11)

Which of the following is the MOST important output from a mobile application threat modeling exercise according to Open Web Application Security Project (OWASP)?

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

Answer: D

NEW QUESTION 551

- (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 552

- (Exam Topic 11)

Which of the following is the PRIMARY benefit of implementing data-in-use controls?

- A. If the data is lost, it must be decrypted to be opened.
- B. If the data is lost, it will not be accessible to unauthorized users.
- C. When the data is being viewed, it can only be printed by authorized users.
- D. When the data is being viewed, it must be accessed using secure protocols.

Answer: C

NEW QUESTION 557

- (Exam Topic 11)

In order for a security policy to be effective within an organization, it MUST include

- A. strong statements that clearly define the problem.
- B. a list of all standards that apply to the policy.
- C. owner information and date of last revision.
- D. disciplinary measures for non compliance.

Answer: D

NEW QUESTION 562

- (Exam Topic 11)

By carefully aligning the pins in the lock, which of the following defines the opening of a mechanical lock without the proper key?

- A. Lock ping
- B. Lock picking
- C. Lock bumping
- D. Lock bricking

Answer: B

NEW QUESTION 566

- (Exam Topic 11)

A global organization wants to implement hardware tokens as part of a multifactor authentication solution for remote access. The PRIMARY advantage of this implementation is

- A. the scalability of token enrollment.
- B. increased accountability of end users.
- C. it protects against unauthorized access.
- D. it simplifies user access administration.

Answer: C

NEW QUESTION 569

- (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 573

- (Exam Topic 12)

A proxy firewall operates at what layer of the Open System Interconnection (OSI) model?

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

Answer: D

NEW QUESTION 576

- (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 581

- (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 585

- (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 588

- (Exam Topic 12)

Which of the following information MUST be provided for user account provisioning?

- A. Full name

- B. Unique identifier
- C. Security question
- D. Date of birth

Answer: B

NEW QUESTION 593

- (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 598

- (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 600

- (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 601

- (Exam Topic 12)

Which Radio Frequency Interference (RFI) phenomenon associated with bundled cable runs can create information leakage?

- A. Transference
- B. Covert channel
- C. Bleeding
- D. Cross-talk

Answer: D

NEW QUESTION 606

- (Exam Topic 12)

Which of the following is a strategy of grouping requirements in developing a Security Test and Evaluation (ST&E)?

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

Answer: B

NEW QUESTION 607

- (Exam Topic 12)

Which of the following is the MAIN reason for using configuration management?

- A. To provide centralized administration
- B. To reduce the number of changes
- C. To reduce errors during upgrades
- D. To provide consistency in security controls

Answer: D

NEW QUESTION 610

- (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 613

- (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.

E-Authentication Token		Description
Memorized 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
Look-up Secret Token		A series of responses to a set of prompts or challenges established by the subscriber and credential service provider during the registration process
Pre-registered Knowledge Token		A secret shared between the subscriber and credential service provider that is typically character strings

- 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 617

- (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 621

- (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 623

- (Exam Topic 12)

Which of the following is MOST important when deploying digital certificates?

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

Answer: B

NEW QUESTION 625

- (Exam Topic 12)

During which of the following processes is least privilege implemented for a user account?

- A. Provision
- B. Approve
- C. Request
- D. Review

Answer: A

NEW QUESTION 628

- (Exam Topic 12)

Which of the following is a document that identifies each item seized in an investigation, including date and time seized, full name and signature or initials of the person who seized the item, and a detailed description of the item?

- A. Property book
- B. Chain of custody form
- C. Search warrant return
- D. Evidence tag

Answer: D

NEW QUESTION 630

- (Exam Topic 12)

Which type of security testing is being performed when an ethical hacker has no knowledge about the target system but the testing target is notified before the test?

- A. Reversal
- B. Gray box
- C. Blind
- D. White box

Answer: B

NEW QUESTION 631

- (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 632

- (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 635

- (Exam Topic 12)

Which of the following command line tools can be used in the reconnaissance phase of a network vulnerability assessment?

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

Answer: A

NEW QUESTION 636

- (Exam Topic 12)

Determining outage costs caused by a disaster can BEST be measured by the

- A. cost of redundant systems and backups.
- B. cost to recover from an outage.
- C. overall long-term impact of the outage.
- D. revenue lost during the outage.

Answer: C

NEW QUESTION 638

- (Exam Topic 12)

A company was ranked as high in the following National Institute of Standards and Technology (NIST) functions: Protect, Detect, Respond and Recover. However, a low maturity grade was attributed to the Identify function. In which of the following the controls categories does this company need to improve when analyzing its processes individually?

- A. Asset Management, Business Environment, Governance and Risk Assessment
- B. Access Control, Awareness and Training, Data Security and Maintenance
- C. Anomalies and Events, Security Continuous Monitoring and Detection Processes
- D. Recovery Planning, Improvements and Communications

Answer: A

NEW QUESTION 640

- (Exam Topic 12)

Which of the following would BEST describe the role directly responsible for data within an organization?

- A. Data custodian
- B. Information owner
- C. Database administrator
- D. Quality control

Answer: A

NEW QUESTION 642

- (Exam Topic 12)

What is the BEST way to encrypt web application communications?

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

Answer: D

NEW QUESTION 646

- (Exam Topic 12)

At which layer of the Open Systems Interconnect (OSI) model are the source and destination address for a datagram handled?

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

Answer: C

NEW QUESTION 648

- (Exam Topic 12)

Which of the following is the PRIMARY benefit of a formalized information classification program?

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

Answer: B

NEW QUESTION 650

- (Exam Topic 12)

Which of the following is needed to securely distribute symmetric cryptographic keys?

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

Answer: C

NEW QUESTION 651

- (Exam Topic 12)

Which of the following approaches is the MOST effective way to dispose of data on multiple hard drives?

- A. Delete every file on each drive.
- B. Destroy the partition table for each drive using the command line.
- C. Degauss each drive individually.
- D. Perform multiple passes on each drive using approved formatting methods.

Answer: D

NEW QUESTION 653

- (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 657

- (Exam Topic 12)

What is an advantage of Elliptic Curve Cryptography (ECC)?

- A. Cryptographic approach that does not require a fixed-length key
- B. Military-strength security that does not depend upon secrecy of the algorithm
- C. Opportunity to use shorter keys for the same level of security
- D. Ability to use much longer keys for greater security

Answer: C

NEW QUESTION 661

- (Exam Topic 12)

Which of the following is a weakness of Wired Equivalent Privacy (WEP)?

- A. Length of Initialization Vector (IV)
- B. Protection against message replay
- C. Detection of message tampering
- D. Built-in provision to rotate keys

Answer: A

NEW QUESTION 664

- (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 667

- (Exam Topic 12)

An organization publishes and periodically updates its employee policies in a file on their intranet. Which of the following is a PRIMARY security concern?

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

Answer: C

NEW QUESTION 670

- (Exam Topic 12)

In configuration management, what baseline configuration information MUST be maintained for each computer system?

- A. Operating system and version, patch level, applications running, and versions.
- B. List of system changes, test reports, and change approvals
- C. Last vulnerability assessment report and initial risk assessment report
- D. Date of last update, test report, and accreditation certificate

Answer:

A

NEW QUESTION 674

- (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 675

- (Exam Topic 12)

When evaluating third-party applications, which of the following is the GREATEST responsibility of Information Security?

- A. Accept the risk on behalf of the organization.
- B. Report findings to the business to determine security gaps.
- C. Quantify the risk to the business for product selection.
- D. Approve the application that best meets security requirements.

Answer: C

NEW QUESTION 677

- (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 682

- (Exam Topic 12)

For network based evidence, which of the following contains traffic details of all network sessions in order to detect anomalies?

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

Answer: D

NEW QUESTION 683

- (Exam Topic 12)

When designing a vulnerability test, which one of the following is likely to give the BEST indication of what components currently operate on the network?

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

Answer: D

NEW QUESTION 687

- (Exam Topic 12)

Knowing the language in which an encrypted message was originally produced might help a cryptanalyst to perform a

- A. clear-text attack.
- B. known cipher attack.
- C. frequency analysis.
- D. stochastic assessment.

Answer: C

NEW QUESTION 689

- (Exam Topic 12)

Backup information that is critical to the organization is identified through a

- A. Vulnerability Assessment (VA).
- B. Business Continuity Plan (BCP).
- C. Business Impact Analysis (BIA).

D. data recovery analysis.

Answer: D

NEW QUESTION 690

- (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 692

- (Exam Topic 12)

In which identity management process is the subject's identity established?

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

Answer: D

NEW QUESTION 697

- (Exam Topic 12)

During the Security Assessment and Authorization process, what is the PRIMARY purpose for conducting a hardware and software inventory?

- A. Calculate the value of assets being accredited.
- B. Create a list to include in the Security Assessment and Authorization package.
- C. Identify obsolete hardware and software.
- D. Define the boundaries of the information system.

Answer: A

NEW QUESTION 701

- (Exam Topic 12)

What balance MUST be considered when web application developers determine how informative application error messages should be constructed?

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

Answer: A

NEW QUESTION 705

- (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 710

- (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 714

- (Exam Topic 13)

Which of the following steps should be performed FIRST when purchasing Commercial Off-The-Shelf (COTS) software?

- A. undergo a security assessment as part of authorization process
- B. establish a risk management strategy
- C. harden the hosting server, and perform hosting and application vulnerability scans
- D. establish policies and procedures on system and services acquisition

Answer: D

NEW QUESTION 718

- (Exam Topic 13)

Which one of the following is an advantage of an effective release control strategy from a configuration control standpoint?

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

Answer: C

NEW QUESTION 721

- (Exam Topic 13)

Why is planning in Disaster Recovery (DR) an interactive process?

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

Answer: B

NEW QUESTION 726

- (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 728

- (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 731

- (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 734

- (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 739

- (Exam Topic 13)

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

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

Answer: B

NEW QUESTION 742

- (Exam Topic 13)

As part of the security assessment plan, the security professional has been asked to use a negative testing strategy on a new website. Which of the following actions would be performed?

- A. Use a web scanner to scan for vulnerabilities within the website.
- B. Perform a code review to ensure that the database references are properly addressed.
- C. Establish a secure connection to the web server to validate that only the approved ports are open.
- D. Enter only numbers in the web form and verify that the website prompts the user to enter a valid input.

Answer: D

NEW QUESTION 744

- (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 747

- (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 750

- (Exam Topic 13)

An organization plan on purchasing a custom software product developed by a small vendor to support its business model. Which unique consideration should be made part of the contractual agreement potential long-term risks associated with creating this dependency?

- A. A source code escrow clause
- B. Right to request an independent review of the software source code
- C. Due diligence form requesting statements of compliance with security requirements
- D. Access to the technical documentation

Answer: B

NEW QUESTION 752

- (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 755

- (Exam Topic 13)

A Denial of Service (DoS) attack on a syslog server exploits weakness in which of the following protocols?

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

Answer: B

NEW QUESTION 756

- (Exam Topic 13)

It is MOST important to perform which of the following to minimize potential impact when implementing a new vulnerability scanning tool in a production environment?

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

Answer: A

Explanation:

Section: Security Operations

NEW QUESTION 757

- (Exam Topic 13)

What is the process of removing sensitive data from a system or storage device with the intent that the data cannot be reconstructed by any known technique?

- A. Purging
- B. Encryption
- C. Destruction
- D. Clearing

Answer: A

NEW QUESTION 761

- (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 766

- (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 768

- (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 772

- (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 the organization
- D. Create Access Control Lists (ACL) based on Media Access Control (MAC) addresses

Answer: D

NEW QUESTION 775

- (Exam Topic 13)

What is the MAIN purpose of a change management policy?

- A. To assure management that changes to the Information Technology (IT) infrastructure are necessary
- B. To identify the changes that may be made to the Information Technology (IT) infrastructure
- C. To verify that changes to the Information Technology (IT) infrastructure are approved
- D. To determine the necessary for implementing modifications to the Information Technology (IT) infrastructure

Answer: C

Explanation:

Section: Security Operations

NEW QUESTION 777

- (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 778

- (Exam Topic 13)

What are the steps of a risk assessment?

- A. identification, analysis, evaluation
- B. analysis, evaluation, mitigation
- C. classification, identification, risk management
- D. identification, evaluation, mitigation

Answer: A

Explanation:

Section: Security Assessment and Testing

NEW QUESTION 781

- (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 783

- (Exam Topic 13)

Which of the following is a responsibility of the information owner?

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

Answer: C

NEW QUESTION 786

- (Exam Topic 13)

Which type of test would an organization perform in order to locate and target exploitable defects?

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

Answer: A

NEW QUESTION 787

- (Exam Topic 13)

The core component of Role Based Access Control (RBAC) must be constructed of defined data elements. Which elements are required?

- A. Users, permissions, operations, and protected objects
- B. Roles, accounts, permissions, and protected objects
- C. Users, roles, operations, and protected objects
- D. Roles, operations, accounts, and protected objects

Answer: C

NEW QUESTION 790

- (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 792

- (Exam Topic 13)

Within the company, desktop clients receive Internet Protocol (IP) address over Dynamic Host Configuration Protocol (DHCP). Which of the following represents a valid measure to help protect the network against unauthorized access?

- A. Implement path management
- B. Implement port based security through 802.1x
- C. Implement DHCP to assign IP address to server systems
- D. Implement change management

Answer: B

NEW QUESTION 794

- (Exam Topic 13)

Which of the following is MOST appropriate for protecting confidentiality of data stored on a hard drive?

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

Answer: B

NEW QUESTION 799

- (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 802

- (Exam Topic 13)

What is the expected outcome of security awareness in support of a security awareness program?

- A. Awareness activities should be used to focus on security concerns and respond to those concerns accordingly
- B. Awareness is not an activity or part of the training but rather a state of persistence to support the program
- C. Awareness is training
- D. The purpose of awareness presentations is to broaden attention of security.
- E. Awareness is not training
- F. The purpose of awareness presentation is simply to focus attention on security.

Answer: C

NEW QUESTION 804

- (Exam Topic 13)

Which of the following entails identification of data and links to business processes, applications, and data stores as well as assignment of ownership responsibilities?

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

Answer: B

NEW QUESTION 806

- (Exam Topic 13)

Which of the following would MINIMIZE the ability of an attacker to exploit a buffer overflow?

- A. Memory review
- B. Code review
- C. Message division
- D. Buffer division

Answer: B

NEW QUESTION 810

- (Exam Topic 13)

Who is accountable for the information within an Information System (IS)?

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

Answer: B

Explanation:

Section: Security Operations

NEW QUESTION 812

- (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 confidentiality

Answer: D

NEW QUESTION 817

- (Exam Topic 13)

A chemical plant wants to upgrade the Industrial Control System (ICS) to transmit data using Ethernet instead of RS422. The project manager wants to simplify administration and maintenance by utilizing the office network infrastructure and staff to implement this upgrade.

Which of the following is the GREATEST impact on security for the network?

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

Answer: B

NEW QUESTION 821

- (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 826

- (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 829

- (Exam Topic 13)

What does a Synchronous (SYN) flood attack do?

- A. Forces Transmission Control Protocol /Internet Protocol (TCP/IP) connections into a reset state
- B. Establishes many new Transmission Control Protocol / Internet Protocol (TCP/IP) connections
- C. Empties the queue of pending Transmission Control Protocol /Internet Protocol (TCP/IP) requests
- D. Exceeds the limits for new Transmission Control Protocol /Internet Protocol (TCP/IP) connections

Answer: B

NEW QUESTION 834

- (Exam Topic 13)

A minimal implementation of endpoint security includes which of the following?

- A. Trusted platforms
- B. Host-based firewalls
- C. Token-based authentication
- D. Wireless Access Points (AP)

Answer: A

NEW QUESTION 835

- (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 839

- (Exam Topic 13)

During examination of Internet history records, the following string occurs within a Unique Resource Locator (URL):

`http://www.companysite.com/products/products.asp?productid=123`

or `1=1`

What type of attack does this indicate?

- A. Directory traversal
- B. Structured Query Language (SQL) injection
- C. Cross-Site Scripting (XSS)
- D. Shellcode injection

Answer: C

NEW QUESTION 842

- (Exam Topic 13)

Attack trees are MOST useful for which of the following?

- A. Determining system security scopes
- B. Generating attack libraries
- C. Enumerating threats
- D. Evaluating Denial of Service (DoS) attacks

Answer: A

NEW QUESTION 846

- (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 849

- (Exam Topic 13)

In Disaster Recovery (DR) and Business Continuity (DC) training, which BEST describes a functional drill?

- A. a functional evacuation of personnel
- B. a specific test by response teams of individual emergency response functions
- C. an activation of the backup site
- D. a full-scale simulation of an emergency and the subsequent response functions.

Answer: D

NEW QUESTION 850

- (Exam Topic 13)

The MAIN use of Layer 2 Tunneling Protocol (L2TP) is to tunnel data

- A. through a firewall at the Session layer
- B. through a firewall at the Transport layer
- C. in the Point-to-Point Protocol (PPP)
- D. in the Payload Compression Protocol (PCP)

Answer: C

NEW QUESTION 853

- (Exam Topic 13)

Which one of the following considerations has the LEAST impact when considering transmission security?

- A. Network availability
- B. Node locations
- C. Network bandwidth
- D. Data integrity

Answer: C

NEW QUESTION 857

- (Exam Topic 13)

“Stateful” differs from “Static” packet filtering firewalls by being aware of which of the following?

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

Answer: A

NEW QUESTION 860

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