ISC2

Exam Questions CISSP

Certified Information Systems Security Professional (CISSP)

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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)
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 4
- (Exam Topic 2)
Which of the following is an effective control in preventing electronic cloning of Radio Frequency Identification (RFID) based access cards?

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

Answer: C

NEW QUESTION 5
- (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 6
- (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 7
- (Exam Topic 2)
An organization has doubled in size due to a rapid market share increase. The size of the Information Technology (IT) staff has maintained pace with this growth. The organization hires several contractors whose onsite time is limited. The IT department has pushed its limits building servers and rolling out workstations and has a backlog of account management requests.
Which contract is BEST in offloading the task from the IT staff?

A. Platform as a Service (PaaS)

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

Answer: B

NEW QUESTION 8
- (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 9
- (Exam Topic 3)
The use of private and public encryption keys is fundamental in the implementation of which of the following?

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

Answer: A

NEW QUESTION 10
- (Exam Topic 3)
What is the second phase of Public Key Infrastructure (PKI) key/certificate life-cycle management?

A. Implementation Phase
B. Initialization Phase
C. Cancellation Phase
D. Issued Phase

Answer: D

NEW QUESTION 10
- (Exam Topic 4)
What is the purpose of an Internet Protocol (IP) spoofing attack?

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

Answer: D

NEW QUESTION 11
- (Exam Topic 4)
At what level of the Open System Interconnection (OSI) model is data at rest on a Storage Area Network (SAN) located?

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

Answer: D

NEW QUESTION 13
- (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 16
- (Exam Topic 5)

What is the BEST approach for controlling access to highly sensitive information when employees have the same level of security clearance?

A. Audit logs
B. Role-Based Access Control (RBAC)
C. Two-factor authentication
D. Application of least privilege

Answer: B

NEW QUESTION 17
- (Exam Topic 5)
Which of the following BEST describes an access control method utilizing cryptographic keys derived from a smart card private key that is embedded within mobile devices?

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

Answer: A

NEW QUESTION 19
- (Exam Topic 6)
Which of the following could cause a Denial of Service (DoS) against an authentication system?

A. Encryption of audit logs
B. No archiving of audit logs
C. Hashing of audit logs
D. Remote access audit logs

Answer: D

NEW QUESTION 22
- (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 27
- (Exam Topic 6)
Which of the following is of GREATEST assistance to auditors when reviewing system configurations?

A. Change management processes
B. User administration procedures
C. Operating System (OS) baselines
D. System backup documentation

Answer: A

NEW QUESTION 28
- (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 30
- (Exam Topic 7)
With what frequency should monitoring of a control occur when implementing Information Security Continuous Monitoring (ISCM) solutions?

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

Answer: B

NEW QUESTION 32
- (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 33
- (Exam Topic 7)
Which of the following is the FIRST step in the incident response process?

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

Answer: D

NEW QUESTION 38
- (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 42
- (Exam Topic 8)
What is the BEST approach to addressing security issues in legacy web applications?

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

Answer: D

NEW QUESTION 46
- (Exam Topic 9)
Which of the following is a method used to prevent Structured Query Language (SQL) injection attacks?

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

Answer: D

NEW QUESTION 49
- (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 54
- (Exam Topic 9)
Which of the following is the FIRST action that a system administrator should take when it is revealed during a penetration test that everyone in an organization has unauthorized access to a server holding sensitive data?

A. Immediately document the finding and report to senior management.
B. Use system privileges to alter the permissions to secure the server
C. Continue the testing to its completion and then inform IT management
D. Terminate the penetration test and pass the finding to the server management team

Answer:

A

NEW QUESTION 59
- (Exam Topic 9)
Which of the following is a limitation of the Common Vulnerability Scoring System (CVSS) as it relates to conducting code review?

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

Answer: C

NEW QUESTION 61
- (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 66
- (Exam Topic 9)
Which of the following is a physical security control that protects Automated Teller Machines (ATM) from skimming?

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

Answer: A

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

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

Answer: D

NEW QUESTION 75
- (Exam Topic 9)
Which one of the following transmission media is MOST effective in preventing data interception?

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

Answer: C

NEW QUESTION 79
- (Exam Topic 9)
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 82
- (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 83
- (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 84
- (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 87
- (Exam Topic 9)
The stringency of an Information Technology (IT) security assessment will be determined by the

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

Answer: C

NEW QUESTION 91
- (Exam Topic 9)
Which one of these risk factors would be the LEAST important consideration in choosing a building site for a new computer facility?

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

Answer: C

NEW QUESTION 92
- (Exam Topic 9)
An advantage of link encryption in a communications network is that it

A. makes key management and distribution easier.
B. protects data from start to finish through the entire network.
C. improves the efficiency of the transmission.
D. encrypts all information, including headers and routing information.

Answer: D

NEW QUESTION 94
- (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 95
- (Exam Topic 9)
Which of the following is a strategy of grouping requirements in developing a Security Test and Evaluation (ST&E)?

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

Answer: C

NEW QUESTION 100
- (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 101
- (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 103
- (Exam Topic 9)
Which of the following assessment metrics is BEST used to understand a system's vulnerability to potential exploits?

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

Answer: C

NEW QUESTION 105
- (Exam Topic 9)
Which of the following is the BEST way to verify the integrity of a software patch?

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

Answer: A

NEW QUESTION 108
- (Exam Topic 9)
The FIRST step in building a firewall is to

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

Answer: D

NEW QUESTION 113
- (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 114
- (Exam Topic 9)

What would be the PRIMARY concern when designing and coordinating a security assessment for an Automatic Teller Machine (ATM) system?

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

Answer: A

NEW QUESTION 119
- (Exam Topic 9)
An external attacker has compromised an organization's network security perimeter and installed a sniffer onto an inside computer. Which of the following is the MOST effective layer of security the organization could have implemented to mitigate the attacker's ability to gain further information?

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

Answer: D

NEW QUESTION 123
- (Exam Topic 9)
Which of the following can BEST prevent security flaws occurring in outsourced software development?

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

Answer: C

NEW QUESTION 128
- (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 132
- (Exam Topic 9)
A security consultant has been asked to research an organization's legal obligations to protect privacy-related information. What kind of reading material is MOST relevant to this project?

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

Answer: B

NEW QUESTION 134
- (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 135
- (Exam Topic 9)
Which one of the following is a fundamental objective in handling an incident?

A. To restore control of the affected systems
B. To confiscate the suspect's computers
C. To prosecute the attacker
D. To perform full backups of the system

Answer: A

NEW QUESTION 136
- (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 140
- (Exam Topic 9)
What is an effective practice when returning electronic storage media to third parties for repair?

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

Answer: D

NEW QUESTION 142
- (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 143
- (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 147
- (Exam Topic 9)
Who must approve modifications to an organization's production infrastructure configuration?

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

Answer: B

NEW QUESTION 149
- (Exam Topic 9)
An Intrusion Detection System (IDS) is generating alarms that a user account has over 100 failed login attempts per minute. A sniffer is placed on the network, and a variety of passwords for that user are noted. Which of the following is MOST likely occurring?

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

Answer: A

NEW QUESTION 153
- (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 158
- (Exam Topic 9)
Which of the following is a potential risk when a program runs in privileged mode?

A. It may serve to create unnecessary code complexity
B. It may not enforce job separation duties
C. It may create unnecessary application hardening
D. It may allow malicious code to be inserted

Answer: D

NEW QUESTION 162
- (Exam Topic 9)
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: B

NEW QUESTION 163
- (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 164
- (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 168
- (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 172
- (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 173
- (Exam Topic 9)
Which of the following does Temporal Key Integrity Protocol (TKIP) support?

A. Multicast and broadcast messages
B. Coordination of IEEE 802.11 protocols

C. Wired Equivalent Privacy (WEP) systems
D. Synchronization of multiple devices

Answer: C

NEW QUESTION 178
- (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 180
- (Exam Topic 9)
Why must all users be positively identified prior to using multi-user computers?

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

Answer: C

NEW QUESTION 185
- (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 188
- (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 190
- (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 195
- (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 199
- (Exam Topic 10)
Which of the following is a process within a Systems Engineering Life Cycle (SELC) stage?

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

Answer: A

NEW QUESTION 202
- (Exam Topic 10)
Which of the following violates identity and access management best practices?

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

Answer: C

NEW QUESTION 206
- (Exam Topic 10)
Which of the following describes the concept of a Single Sign-On (SSO) system?

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

Answer: C

NEW QUESTION 209
- (Exam Topic 10)
Which of the following is the MOST beneficial to review when performing an IT audit?

A. Audit policy
B. Security log
C. Security policies
D. Configuration settings

Answer: C

NEW QUESTION 213
- (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 214
- (Exam Topic 10)
Which of the following MOST influences the design of the organization's electronic monitoring policies?

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

Answer: A

NEW QUESTION 219
- (Exam Topic 10)
According to best practice, which of the following groups is the MOST effective in performing an information security compliance audit?

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

Answer: D

NEW QUESTION 220

- (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 222
- (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 225
- (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 230
- (Exam Topic 10)
Which of the following assures that rules are followed in an identity management architecture?

A. Policy database
B. Digital signature
C. Policy decision point
D. Policy enforcement point

Answer: D

NEW QUESTION 231
- (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 236
- (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 241
- (Exam Topic 10)
Refer to the information below to answer the question.

A large organization uses unique identifiers and requires them at the start of every system session. Application access is based on job classification. The organization is subject to periodic independent reviews of access controls and violations. The organization uses wired and wireless networks and remote access. The organization also uses secure connections to branch offices and secure backup and recovery strategies for selected information and processes.
What MUST the access control logs contain in addition to the identifier?

A. Time of the access
B. Security classification
C. Denied access attempts
D. Associated clearance

Answer: A

NEW QUESTION 242
- (Exam Topic 10)
What is the MOST critical factor to achieve the goals of a security program?

A. Capabilities of security resources
B. Executive management support
C. Effectiveness of security management
D. Budget approved for security resources

Answer: B

NEW QUESTION 243
- (Exam Topic 10)
What is the BEST first step for determining if the appropriate security controls are in place for protecting data at rest?

A. Identify regulatory requirements
B. Conduct a risk assessment
C. Determine business drivers
D. Review the security baseline configuration

Answer: B

NEW QUESTION 244
- (Exam Topic 10)
What is the PRIMARY advantage of using automated application security testing tools?

A. The application can be protected in the production environment.
B. Large amounts of code can be tested using fewer resources.
C. The application will fail less when tested using these tools.
D. Detailed testing of code functions can be performed.

Answer: B

NEW QUESTION 245
- (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 249
- (Exam Topic 10)
Which of the following is a MAJOR consideration in implementing a Voice over IP (VoIP) network?

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

Answer: B

NEW QUESTION 251
- (Exam Topic 10)
Which of the following is a critical factor for implementing a successful data classification program?

A. Executive sponsorship
B. Information security sponsorship
C. End-user acceptance
D. Internal audit acceptance

Answer: A

NEW QUESTION 253
- (Exam Topic 10)
During the procurement of a new information system, it was determined that some of the security requirements were not addressed in the system specification.
Which of the following is the MOST likely reason for this?

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

Answer: D

NEW QUESTION 256
- (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 258
- (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 260
- (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 MOST likely allow the organization to keep risk at an acceptable level?

A. Increasing the amount of audits performed by third parties
B. Removing privileged accounts from operational staff
C. Assigning privileged functions to appropriate staff
D. Separating the security function into distinct roles

Answer: C

NEW QUESTION 262
- (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.
Which of the following is considered the MOST important priority for the information security officer?

A. Formal acceptance of the security strategy
B. Disciplinary actions taken against unethical behavior
C. Development of an awareness program for new employees
D. Audit of all organization system configurations for faults

Answer: A

NEW QUESTION 264
- (Exam Topic 10)
Which of the following problems is not addressed by using OAuth (Open Standard to Authorization) 2.0 to integrate a third-party identity provider for a service?

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

Answer: C

NEW QUESTION 265
- (Exam Topic 10)

Refer to the information below to answer the question.
A large organization uses unique identifiers and requires them at the start of every system session. Application access is based on job classification. The organization is subject to periodic independent reviews of access controls and violations. The organization uses wired and wireless networks and remote access. The organization also uses secure connections to branch offices and secure backup and recovery strategies for selected information and processes.
Following best practice, where should the permitted access for each department and job classification combination be specified?

A. Security procedures
B. Security standards
C. Human resource policy
D. Human resource standards

Answer: B

NEW QUESTION 270
- (Exam Topic 10)
Refer to the information below to answer the question.
An organization has hired an information security officer to lead their security department. The officer has adequate people resources but is lacking the other necessary components to have an effective security program. There are numerous initiatives requiring security involvement.
Given the number of priorities, which of the following will MOST likely influence the selection of top initiatives?

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

Answer: A

NEW QUESTION 273
- (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 275
- (Exam Topic 10)
Refer to the information below to answer the question.
A large organization uses unique identifiers and requires them at the start of every system session. Application access is based on job classification. The organization is subject to periodic independent reviews of access controls and violations. The organization uses wired and wireless networks and remote access. The organization also uses secure connections to branch offices and secure backup and recovery strategies for selected information and processes.
Which of the following BEST describes the access control methodology used?

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

Answer: C

NEW QUESTION 277
- (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 methods is the MOST effective way of removing the Peer-to-Peer (P2P) program from the computer?

A. Run software uninstall
B. Re-image the computer
C. Find and remove all installation files
D. Delete all cookies stored in the web browser cache

Answer: B

NEW QUESTION 281
- (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 283
- (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 284
- (Exam Topic 10)
Refer to the information below to answer the question.
An organization has hired an information security officer to lead their security department. The officer has adequate people resources but is lacking the other necessary components to have an effective security program. There are numerous initiatives requiring security involvement.
The security program can be considered effective when

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

Answer: D

NEW QUESTION 288
- (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 293
- (Exam Topic 10)
Which of the following secure startup mechanisms are PRIMARILY designed to thwart attacks?

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

Answer: B

NEW QUESTION 298
- (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 300
- (Exam Topic 10)
Without proper signal protection, embedded systems may be prone to which type of attack?

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

Answer: C

NEW QUESTION 303
- (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 307
- (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 311
- (Exam Topic 10)
Which of the following is the PRIMARY benefit of a formalized information classification program?

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

Answer: B

NEW QUESTION 315
- (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 319
- (Exam Topic 10)
An organization publishes and periodically updates its employee policies in a file on their intranet. Which of the following is a PRIMARY security concern?

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

Answer: C

NEW QUESTION 321
- (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 325
- (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.
What additional considerations are there if the third party is located in a different country?

A. The organizational structure of the third party and how it may impact timelines within the organization
B. The ability of the third party to respond to the organization in a timely manner and with accurate information
C. The effects of transborder data flows and customer expectations regarding the storage or processing of their data
D. The quantity of data that must be provided to the third party and how it is to be used

Answer: C

NEW QUESTION 326
- (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 329
- (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 331
- (Exam Topic 10)
What is the MOST important reason to configure unique user IDs?

A. Supporting accountability
B. Reducing authentication errors
C. Preventing password compromise
D. Supporting Single Sign On (SSO)

Answer: A

NEW QUESTION 334
- (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 338
- (Exam Topic 10)
Refer to the information below to answer the question.
Desktop computers in an organization were sanitized for re-use in an equivalent security environment. The data was destroyed in accordance with organizational policy and all marking and other external indications of the sensitivity of the data that was formerly stored on the magnetic drives were removed.
Organizational policy requires the deletion of user data from Personal Digital Assistant (PDA) devices before disposal. It may not be possible to delete the user data if the device is malfunctioning. Which destruction method below provides the BEST assurance that the data has been removed?

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

Answer: C

NEW QUESTION 342
- (Exam Topic 11)
Which Web Services Security (WS-Security) specification handles the management of security tokens and the underlying policies for granting access? Click on the correct specification in the image below.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 343
- (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 345
- (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 348
- (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 349
- (Exam Topic 11)
Order the below steps to create an effective vulnerability management process.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 354
- (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 358
- (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 361
- (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 365
- (Exam Topic 11)
Which of the following types of security testing is the MOST effective in providing a better indication of the everyday security challenges of an organization when performing a security risk assessment?

A. External
B. Overt
C. Internal
D. Covert

Answer: D

NEW QUESTION 366
- (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 368
- (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 373
- (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 377
- (Exam Topic 11)
Which of the following entities is ultimately accountable for data remanence vulnerabilities with data replicated by a cloud service provider?

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

Answer: A

NEW QUESTION 379
- (Exam Topic 11)
Which of the following is the BIGGEST weakness when using native Lightweight Directory Access Protocol (LDAP) for authentication?

A. Authorizations are not included in the server response
B. Unsalted hashes are passed over the network
C. The authentication session can be replayed
D. Passwords are passed in cleartext

Answer: D

NEW QUESTION 383
- (Exam Topic 11)
Which of the following disaster recovery test plans will be MOST effective while providing minimal risk?

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

Answer: B

NEW QUESTION 388
- (Exam Topic 11)
Which of the following standards/guidelines requires an Information Security Management System (ISMS) to be defined?

A. International Organization for Standardization (ISO) 27000 family
B. Information Technology Infrastructure Library (ITIL)
C. Payment Card Industry Data Security Standard (PCIDSS)
D. ISO/IEC 20000

Answer: A

NEW QUESTION 393
- (Exam Topic 11)
Which of the following are Systems Engineering Life Cycle (SELC) Technical Processes?

A. Concept, Development, Production, Utilization, Support, Retirement
B. Stakeholder Requirements Definition, Architectural Design, Implementation, Verification, Operation
C. Acquisition, Measurement, Configuration Management, Production, Operation, Support
D. Concept, Requirements, Design, Implementation, Production, Maintenance, Support, Disposal

Answer: B

NEW QUESTION 396

- (Exam Topic 11)
During a fingerprint verification process, which of the following is used to verify identity and authentication?

A. A pressure value is compared with a stored template
B. Sets of digits are matched with stored values
C. A hash table is matched to a database of stored value
D. A template of minutiae is compared with a stored template

Answer: D

NEW QUESTION 400
- (Exam Topic 11)
When planning a penetration test, the tester will be MOST interested in which information?

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

Answer: B

NEW QUESTION 404
- (Exam Topic 11)
Which of the following command line tools can be used in the reconnaisance phase of a network vulnerability assessment?

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

Answer: A

NEW QUESTION 409
- (Exam Topic 11)
Which of the following 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 412
- (Exam Topic 11)
After acquiring the latest security updates, what must be done before deploying to production systems?

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

Answer: B

NEW QUESTION 413
- (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 418
- (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 422
- (Exam Topic 11)
Which of the following is an essential step before performing Structured Query Language (SQL) penetration tests on a production system?

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

Answer: C

NEW QUESTION 424
- (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 429
- (Exam Topic 11)
Match the objectives to the assessment questions in the governance domain of Software Assurance Maturity Model (SAMM).

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 431
- (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 435
- (Exam Topic 11)
Which methodology is recommended for penetration testing to be effective in the development phase of the life-cycle process?

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

Answer: A

NEW QUESTION 437
- (Exam Topic 11)
Application of which of the following Institute of Electrical and Electronics Engineers (IEEE) standards will prevent an unauthorized wireless device from being attached to a network?

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

Answer: D

NEW QUESTION 441
- (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 445
- (Exam Topic 11)
The PRIMARY security concern for handheld devices is the

A. strength of the encryption algorithm.
B. spread of malware during synchronization.
C. ability to bypass the authentication mechanism.
D. strength of the Personal Identification Number (PIN).

Answer: C

NEW QUESTION 447
- (Exam Topic 11)
Which of the following statements is TRUE regarding value boundary 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 threshold of the given functional specifications.
D. An entire partition can be covered by considering only one representative value from that partition.

Answer: C

NEW QUESTION 449
- (Exam Topic 11)
Data leakage of sensitive information is MOST often concealed by which of the following?

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

Answer: A

NEW QUESTION 451
- (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 452
- (Exam Topic 11)
What does an organization FIRST review to assure compliance with privacy requirements?

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

Answer: C

NEW QUESTION 455
- (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 457
- (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 462
- (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 465
- (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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 468
- (Exam Topic 11)
The PRIMARY outcome of a certification process is that it provides documented

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

Answer: D

NEW QUESTION 472
- (Exam Topic 11)
Which of the following methods can be used to achieve confidentiality and integrity for data in transit?

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

Answer: B

NEW QUESTION 476
- (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 479
- (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 483
- (Exam Topic 11)
What is the GREATEST challenge of an agent-based patch management solution?

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

Answer: B

NEW QUESTION 484
- (Exam Topic 11)
Which of the following BEST describes the purpose of the security functional requirements of Common Criteria?

A. Level of assurance of the Target of Evaluation (TOE) in intended operational environment

B. Selection to meet the security objectives stated in test documents
C. Security behavior expected of a TOE
D. Definition of the roles and responsibilities

Answer: C

NEW QUESTION 487
- (Exam Topic 11)
Which of the following protocols would allow an organization to maintain a centralized list of users that can read a protected webpage?

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

Answer: A

NEW QUESTION 489
- (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 491
- (Exam Topic 11)
The 802.1x standard provides a framework for what?

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

Answer: B

NEW QUESTION 495
- (Exam Topic 11)
While investigating a malicious event, only six days of audit logs from the last month were available. What policy should be updated to address this problem?

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

Answer: A

NEW QUESTION 500
- (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 505
- (Exam Topic 11)
Which of the following could elicit a Denial of Service (DoS) attack against a credential management system?

A. Delayed revocation or destruction of credentials
B. Modification of Certificate Revocation List
C. Unauthorized renewal or re-issuance
D. Token use after decommissioning

Answer: B

NEW QUESTION 510
- (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 511
- (Exam Topic 12)
As a best practice, the Security Assessment Report (SAR) should include which of the following sections?

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

Answer: B

NEW QUESTION 514
- (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 519
- (Exam Topic 12)
Match the name of access control model with its associated restriction.
Drag each access control model to its appropriate restriction access on the right.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 523
- (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 526
- (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 527
- (Exam Topic 12)
Which of the following is the BEST method to reduce the effectiveness of phishing attacks?

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

Answer: A

NEW QUESTION 532
- (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 533
- (Exam Topic 12)
The PRIMARY outcome of a certification process is that it provides documented

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

Answer: D

NEW QUESTION 538
- (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 540
- (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 541
- (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 543
- (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 546
- (Exam Topic 12)
A database administrator is asked by a high-ranking member of management to perform specific changes to the accounting system database. The administrator is specifically instructed to not track or evidence the change in a ticket. Which of the following is the BEST course of action?

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

Answer: D

NEW QUESTION 548
- (Exam Topic 12)
Although code using a specific program language may not be susceptible to a buffer overflow attack,

A. most calls to plug-in programs are susceptible.
B. most supporting application code is susceptible.
C. the graphical images used by the application could be susceptible.
D. the supporting virtual machine could be susceptible.

Answer: C

NEW QUESTION 551
- (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 553
- (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 557
- (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 561
- (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 565
- (Exam Topic 12)
Which of the following is the MOST important consideration when developing a Disaster Recovery Plan (DRP)?

A. The dynamic reconfiguration of systems
B. The cost of downtime
C. A recovery strategy for all business processes
D. A containment strategy

Answer: C

NEW QUESTION 568
- (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 571
- (Exam Topic 12)
An organization regularly conducts its own penetration tests. Which of the following scenarios MUST be covered for the test to be effective?

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

Answer: C

NEW QUESTION 575
- (Exam Topic 12)
In order to assure authenticity, which of the following are required?

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

Answer: D

NEW QUESTION 580
- (Exam Topic 12)
The goal of a Business Impact Analysis (BIA) is to determine which of the following?

A. Cost effectiveness of business recovery
B. Cost effectiveness of installing software security patches
C. Resource priorities for recovery and Maximum Tolerable Downtime (MTD)
D. Which security measures should be implemented

Answer: C

NEW QUESTION 581
- (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 584
- (Exam Topic 12)
The application of a security patch to a product previously validate at Common Criteria (CC) Evaluation Assurance Level (EAL) 4 would

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

Answer: B

NEW QUESTION 587
- (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 589
- (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 590
- (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 593
- (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 594
- (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 595
- (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 600
- (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 604
- (Exam Topic 13)
Which one of the following is an advantage of an effective release control strategy form a configuration control standpoint?

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

Answer: C

NEW QUESTION 608
- (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 609
- (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 614
- (Exam Topic 13)
Due to system constraints, a group of system administrators must share a high-level access set of credentials. Which of the following would be MOST appropriate to implement?

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

Answer: C

Explanation:
Section: Security Operations

NEW QUESTION 617
- (Exam Topic 13)
What protocol is often used between gateway hosts on the Internet?

A. Exterior Gateway Protocol (EGP)
B. Border Gateway Protocol (BGP)
C. Open Shortest Path First (OSPF)
D. Internet Control Message Protocol (ICMP)

Answer: B

NEW QUESTION 620
- (Exam Topic 13)

From a security perspective, which of the following assumptions MUST be made about input to an application?

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

Answer: D

NEW QUESTION 625
- (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 629
- (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 630
- (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 631
- (Exam Topic 13)
What capability would typically be included in a commercially available software package designed for access control?

A. Password encryption
B. File encryption
C. Source library control
D. File authentication

Answer: A

NEW QUESTION 635
- (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 637
- (Exam Topic 13)
What is the PRIMARY role of a scrum master in agile development?

A. To choose the primary development language
B. To choose the integrated development environment
C. To match the software requirements to the delivery plan
D. To project manage the software delivery

Answer: D

NEW QUESTION 639
- (Exam Topic 13)
Which of the following could be considered the MOST significant security challenge when adopting DevOps practices compared to a more traditional control framework?

A. Achieving Service Level Agreements (SLA) on how quickly patches will be released when a security flaw is found.
B. Maintaining segregation of duties.
C. Standardized configurations for logging, alerting, and security metrics.
D. Availability of security teams at the end of design process to perform last-minute manual audits and reviews.

Answer: B

NEW QUESTION 641
- (Exam Topic 13)
Which of the following combinations would MOST negatively affect availability?

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

Answer: A

NEW QUESTION 644
- (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 645
- (Exam Topic 13)
The design review for an application has been completed and is ready for release. What technique should an organization use to assure application integrity?

A. Application authentication
B. Input validation
C. Digital signing
D. Device encryption

Answer: C

NEW QUESTION 649
- (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 654
- (Exam Topic 13)
Which of the following is the MOST efficient mechanism to account for all staff during a speedy nonemergency evacuation from a large security facility?

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

Answer:

B

Explanation:
Section: Security Operations

NEW QUESTION 659
- (Exam Topic 13)
Which security modes is MOST commonly used in a commercial environment because it protects the integrity of financial and accounting data?

A. Biba
B. Graham-Denning
C. Clark-Wilson
D. Beil-LaPadula

Answer: C

NEW QUESTION 660
- (Exam Topic 13)
An organization has outsourced its financial transaction processing to a Cloud Service Provider (CSP) who will provide them with Software as a Service (SaaS). If there was a data breach who is responsible for monetary losses?

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

Answer: B

NEW QUESTION 665
- (Exam Topic 13)
A security practitioner is tasked with securing the organization's Wireless Access Points (WAP). Which of these is the MOST effective way of restricting this environment to authorized users?

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

Answer: D

NEW QUESTION 670
- (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 671
- (Exam Topic 13)
Mandatory Access Controls (MAC) are based on:

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

Answer: A

NEW QUESTION 674
- (Exam Topic 13)
The organization would like to deploy an authorization mechanism for an Information Technology (IT) infrastructure project with high employee turnover. Which access control mechanism would be preferred?

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

Answer:

D

NEW QUESTION 678
- (Exam Topic 13)
Which of the following methods of suppressing a fire is environmentally friendly and the MOST appropriate for a data center?

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

Answer: C

NEW QUESTION 679
- (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 681
- (Exam Topic 13)
What does electronic vaulting accomplish?

A. It protects critical files.
B. It ensures the fault tolerance of Redundant Array of Independent Disks (RAID) systems
C. It stripes all database records
D. It automates the Disaster Recovery Process (DRP)

Answer: A

Explanation:
Section: Security Operations

NEW QUESTION 683
- (Exam Topic 13)
Proven application security principles include which of the following?

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

Answer: A

NEW QUESTION 687
- (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 690
- (Exam Topic 13)
Which of the following would an attacker BEST be able to accomplish through the use of Remote Access Tools (RAT)?

A. Reduce the probability of identification
B. Detect further compromise of the target
C. Destabilize the operation of the host
D. Maintain and expand control

Answer: D

NEW QUESTION 691
- (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 695
- (Exam Topic 13)
In a change-controlled environment, which of the following is MOST likely to lead to unauthorized changes to production programs?

A. Modifying source code without approval
B. Promoting programs to production without approval
C. Developers checking out source code without approval
D. Developers using Rapid Application Development (RAD) methodologies without approval

Answer: B

NEW QUESTION 698
- (Exam Topic 13)
Assessing a third party's risk by counting bugs in the code may not be the best measure of an attack surface within the supply chain.
Which of the following is LEAST associated with the attack surface?

A. Input protocols
B. Target processes
C. Error messages
D. Access rights

Answer: C

Explanation:
Section: Security Assessment and Testing

NEW QUESTION 701
- (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 704
- (Exam Topic 13)
Which of the following is MOST appropriate for protecting confidentially of data stored on a hard drive?

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

Answer: B

NEW QUESTION 707
- (Exam Topic 13)
An Information Technology (IT) professional attends a cybersecurity seminar on current incident response methodologies.
What code of ethics canon is being observed?

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

Answer: C

Explanation:
Section: Security Operations

NEW QUESTION 712

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

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

Answer: C

NEW QUESTION 717
- (Exam Topic 13)
Which of the following MUST be scalable to address security concerns raised by the integration of third-party identity services?

A. Mandatory Access Controls (MAC)
B. Enterprise security architecture
C. Enterprise security procedures
D. Role Based Access Controls (RBAC)

Answer: D

NEW QUESTION 718
- (Exam Topic 13)
A vulnerability assessment report has been submitted to a client. The client indicates that one third of the hosts that were in scope are missing from the report.
In which phase of the assessment was this error MOST likely made?

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

Answer: A

Explanation:
Section: Security Assessment and Testing

NEW QUESTION 722
- (Exam Topic 13)
What is the foundation of cryptographic functions?

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

Answer: A

NEW QUESTION 724
- (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 726
- (Exam Topic 13)
Which Identity and Access Management (IAM) process can be used to maintain the principle of least privilege?

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

Answer: A

NEW QUESTION 729
- (Exam Topic 13)
Digital certificates used in Transport Layer Security (TLS) support which of the following?

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

Answer: D

NEW QUESTION 731
- (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 732
- (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 737
- (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 742
- (Exam Topic 13)
Who has the PRIMARY responsibility to ensure that security objectives are aligned with organization goals?

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

Answer: C

NEW QUESTION 747
- (Exam Topic 13)
Which of the BEST internationally recognized standard for evaluating security products and systems?

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

Answer: B

NEW QUESTION 752
- (Exam Topic 13)
Which of the following alarm systems is recommended to detect intrusions through windows in a high-noise, occupied environment?

A. Acoustic sensor
B. Motion sensor
C. Shock sensor
D. Photoelectric sensor

Answer: C

NEW QUESTION 756

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

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

Answer: D

NEW QUESTION 758
- (Exam Topic 13)
A company receives an email threat informing of an Imminent Distributed Denial of Service (DDoS) attack targeting its web application, unless ransom is paid. Which of the following techniques BEST addresses that threat?

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

Answer: D

NEW QUESTION 761
- (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 766
- (Exam Topic 13)
A Security Operations Center (SOC) receives an incident response notification on a server with an active intruder who has planted a backdoor. Initial notifications are sent and communications are established. What MUST be considered or evaluated before performing the next step?

A. Notifying law enforcement is crucial before hashing the contents of the server hard drive
B. Identifying who executed the incident is more important than how the incident happened
C. Removing the server from the network may prevent catching the intruder
D. Copying the contents of the hard drive to another storage device may damage the evidence

Answer: C

Explanation:
Section: Security Operations

NEW QUESTION 768
- (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 771
- (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 774
- (Exam Topic 13)
Which of the following is BEST achieved through the use of eXtensible Access Markup Language (XACML)?

A. Minimize malicious attacks from third parties
B. Manage resource privileges
C. Share digital identities in hybrid cloud
D. Defined a standard protocol

Answer: D

NEW QUESTION 776
- (Exam Topic 13)
Which of the following provides the MOST comprehensive filtering of Peer-to-Peer (P2P) traffic?

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

Answer: A

NEW QUESTION 781
- (Exam Topic 13)
Which of the following techniques is known to be effective in spotting resource exhaustion problems, especially with resources such as processes, memory, and connections?

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

Answer: A

NEW QUESTION 784
- (Exam Topic 13)
A post-implementation review has identified that the Voice Over Internet Protocol (VoIP) system was designed to have gratuitous Address Resolution Protocol (ARP) disabled.
Why did the network architect likely design the VoIP system with gratuitous ARP disabled?

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

Answer: D

NEW QUESTION 785
- (Exam Topic 13)
Access to which of the following is required to validate web session management?

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

Answer: C

NEW QUESTION 787
- (Exam Topic 13)
The security accreditation task of the System Development Life Cycle (SDLC) process is completed at the end of which phase?

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

Answer: B

NEW QUESTION 791
- (Exam Topic 13)
Which of the following is a common feature of an Identity as a Service (IDaaS) solution?

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

Answer: A

NEW QUESTION 792

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