ISC2

Exam Questions CISSP

Certified Information Systems Security Professional (CISSP)

NEW QUESTION 1
- (Exam Topic 15)
An organization plans to acquire @ commercial off-the-shelf (COTS) system to replace their aging home-built reporting system. When should the organization's security team FIRST get involved in this acquisition's life cycle?

A. When the system is being designed, purchased, programmed, developed, or otherwise constructed
B. When the system is verified and validated
C. When the system is deployed into production
D. When the need for a system is expressed and the purpose of the system Is documented

Answer: D

NEW QUESTION 2
- (Exam Topic 15)
In addition to life, protection of which of the following elements is MOST important when planning a data center site?

A. Data and hardware
B. Property and operations
C. Profits and assets
D. Resources and reputation

Answer: D

NEW QUESTION 3
- (Exam Topic 15)
An organization has been collecting a large amount of redundant and unusable data and filling up the storage area network (SAN). Management has requested the identification of a solution that will address ongoing storage problems. Which is the BEST technical solution?

A. Deduplication
B. Compression
C. Replication
D. Caching

Answer: B

NEW QUESTION 4
- (Exam Topic 15)
In the common criteria, which of the following is a formal document that expresses an implementation-independent set of security requirements?

A. Organizational Security Policy
B. Security Target (ST)
C. Protection Profile (PP)
D. Target of Evaluation (TOE)

Answer: C

NEW QUESTION 5
- (Exam Topic 15)
Which of the following is the top barrier for companies to adopt cloud technology?

A. Migration period
B. Data integrity
C. Cost
D. Security

Answer: D

NEW QUESTION 6
- (Exam Topic 15)
Wi-Fi Protected Access 2 (WPA2) provides users with a higher level of assurance that their data will remain protected by using which protocol?

A. Secure Shell (SSH)
B. Internet Protocol Security (IPsec)
C. Secure Sockets Layer (SSL)
D. Extensible Authentication Protocol (EAP)

Answer: A

NEW QUESTION 7
- (Exam Topic 15)
While reviewing the financial reporting risks of a third-party application, which of the following Service Organization Control (SOC) reports will be the MOST useful?

A. ISIsOC 1
B. SOC 2
C. SOC 3

D. SOC for cybersecurity

Answer: A

NEW QUESTION 8
- (Exam Topic 15)
A company is planning to implement a private cloud infrastructure. Which of the following recommendations will support the move to a cloud infrastructure?

A. Implement a virtual local area network (VLAN) for each department and create a separate subnet for each VLAN.
B. Implement software-defined networking (SDN) to provide the ability for the network infrastructure to be integrated with the control and data planes.
C. Implement a virtual local area network (VLAN) to logically separate the local area network (LAN) from the physical switches.
D. implement software-defined networking (SDN) to provide the ability to apply high-level policies to shape and reorder network traffic based on users, devices and applications.

Answer: D

NEW QUESTION 9
- (Exam Topic 15)
Which of the following is the BEST method a security practitioner can use to ensure that systems and sub-systems gracefully handle invalid input?

A. Unit testing
B. Integration testing
C. Negative testing
D. Acceptance testing

Answer: B

NEW QUESTION 10
- (Exam Topic 15)
Which of the following is the FIRST step for defining Service Level Requirements (SLR)?

A. Creating a prototype to confirm or refine the customer requirements
B. Drafting requirements for the service level agreement (SLA)
C. Discussing technology and solution requirements with the customer
D. Capturing and documenting the requirements of the customer

Answer: D

NEW QUESTION 10
- (Exam Topic 15)
Which of the following provides the MOST secure method for Network Access Control (NAC)?

A. Media Access Control (MAC) filtering
B. 802.IX authentication
C. Application layer filtering
D. Network Address Translation (NAT)

Answer: B

NEW QUESTION 15
- (Exam Topic 15)
Which of the following actions should be undertaken prior to deciding on a physical baseline Protection Profile (PP)?

A. Check the technical design.
B. Conduct a site survey.
C. Categorize assets.
D. Choose a suitable location.

Answer: A

NEW QUESTION 19
- (Exam Topic 15)
A new employee formally reported suspicious behavior to the organization security team. The report claims that someone not affiliated with the organization was inquiring about the member's work location, length of employment, and building access controls. The employee's reporting is MOST likely the result of which of the following?

A. Risk avoidance
B. Security engineering
C. security awareness
D. Phishing

Answer: C

NEW QUESTION 22
- (Exam Topic 15)

Which of the following is the BEST method a security practitioner can use to ensure that systems and sub-system gracefully handle invalid input?

A. Negative testing
B. Integration testing
C. Unit testing
D. Acceptance testing

Answer: B

NEW QUESTION 23
- (Exam Topic 15)
When reviewing vendor certifications for handling and processing of company data, which of the following is the BEST Service Organization Controls (SOC) certification for the vendor to possess?

A. SOC 1 Type 1
B. SOC 2 Type 1
C. SOC 2 Type 2
D. SOC 3

Answer: C

NEW QUESTION 27
- (Exam Topic 15)
Which of the following is performed to determine a measure of success of a security awareness training program designed to prevent social engineering attacks?

A. Employee evaluation of the training program
B. Internal assessment of the training program's effectiveness
C. Multiple choice tests to participants
D. Management control of reviews

Answer: B

NEW QUESTION 32
- (Exam Topic 15)
Which of the following factors should be considered characteristics of Attribute Based Access Control (ABAC) in terms of the attributes used?

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

Answer: D

NEW QUESTION 35
- (Exam Topic 15)
A security practitioner has been asked to model best practices for disaster recovery (DR) and business continuity. The practitioner has decided that a formal committee is needed to establish a business continuity policy. Which of the following BEST describes this stage of business continuity development?

A. Project Initiation and Management
B. Risk Evaluation and Control
C. Developing and Implementing business continuity plans (BCP)
D. Business impact analysis (BIA)

Answer: D

NEW QUESTION 39
- (Exam Topic 15)
What is the PRIMARY benefit of incident reporting and computer crime investigations?

A. Providing evidence to law enforcement
B. Repairing the damage and preventing future occurrences
C. Appointing a computer emergency response team
D. Complying with security policy

Answer: D

NEW QUESTION 40
- (Exam Topic 15)
What is the P R IM A R Y reason criminal law is difficult to enforce when dealing with cyber-crime?

A. Extradition treaties are rarely enforced.
B. Numerous language barriers exist.
C. Law enforcement agencies are understaffed.
D. Jurisdiction is hard to define.

Answer: D

NEW QUESTION 43
- (Exam Topic 15)
Which of the following is the BEST way to protect against Structured Query language (SQL) injection?

A. Enforce boundary checking.
B. Ratfrict um of SELECT command.
C. Restrict HyperText Markup Language (HTML) source code
D. Use stored procedures.

Answer: D

NEW QUESTION 47
- (Exam Topic 15)
Which access control method is based on users issuing access requests on system resources, features assigned to those resources, the operational or situational context, and a set of policies specified in terms of those features and context?

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

Answer: B

NEW QUESTION 48
- (Exam Topic 15)
Which of the following is an indicator that a company's new user security awareness training module has been effective?

A. There are more secure connections to the internal database servers.
B. More incidents of phishing attempts are being reported.
C. There are more secure connections to internal e-mail servers.
D. Fewer incidents of phishing attempts are being reported.

Answer: B

NEW QUESTION 52
- (Exam Topic 15)
Which of the following examples is BEST to minimize the attack surface for a customer's private information?

A. Obfuscation
B. Collection limitation
C. Authentication
D. Data masking

Answer: A

NEW QUESTION 56
- (Exam Topic 15)
Which element of software supply chain management has the GREATEST security risk to organizations?

A. New software development skills are hard to acquire.
B. Unsupported libraries are often used.
C. Applications with multiple contributors are difficult to evaluate.
D. Vulnerabilities are difficult to detect.

Answer: B

NEW QUESTION 59
- (Exam Topic 15)
A technician is troubleshooting a client's report about poor wireless performance. Using a client monitor, the technician notes the following information:

SSID	Signal (RSSI)	Channel
Corporate	-50	9
Corporate	-69	10
Corporate	-67	11
Corporate	-63	6

Which of the following is MOST likely the cause of the issue?

A. Channel overlap
B. Poor signal
C. Incorrect power settings
D. Wrong antenna type

Answer: A

NEW QUESTION 64
- (Exam Topic 15)
Who should formulate conclusions from a particular digital fore Ball, Submit a Toper Of Tags, and the results?

A. The information security professional's supervisor
B. Legal counsel for the information security professional's employer
C. The information security professional who conducted the analysis
D. A peer reviewer of the information security professional

Answer: B

NEW QUESTION 68
- (Exam Topic 15)
A security architect is reviewing plans for an application with a Recovery Point Objective (RPO) of 15 minutes. The current design has all of the application infrastructure located within one co-location data center. Which security principle is the architect currently assessing?

A. Availability
B. Disaster recovery (DR)
C. Redundancy
D. Business continuity (BC)

Answer: D

NEW QUESTION 69
- (Exam Topic 15)
As a design principle, which one of the following actors is responsible for identifying and approving data security requirements in a cloud ecosystem?

A. Cloud broker
B. Cloud provider
C. Cloud consumer
D. Cloud auditor

Answer: C

NEW QUESTION 71
- (Exam Topic 15)
A network administrator is designing a new datacenter in a different region that will need to communicate to the old datacenter with a secure connection. Which of the following access methods would provide the BEST security for this new datacenter?

A. Virtual network computing
B. Secure Socket Shell
C. in-band connection
D. Site-to-site VPN

Answer: D

NEW QUESTION 74
- (Exam Topic 15)
Which of the following is an example of a vulnerability of full-disk encryption (FDE)?

A. Data at rest has been compromised when the user has authenticated to the device.
B. Data on the device cannot be restored from backup.
C. Data in transit has been compromised when the user has authenticated to the device.
D. Data on the device cannot be backed up.

Answer: A

NEW QUESTION 76
- (Exam Topic 15)
Spyware is BEST described as

A. data mining for advertising.
B. a form of cyber-terrorism,
C. an information gathering technique,
D. a web-based attack.

Answer: B

NEW QUESTION 81
- (Exam Topic 15)
Which of the following is the MOST important rule for digital investigations?

A. Ensure event logs are rotated.
B. Ensure original data is never modified.
C. Ensure individual privacy is protected.
D. Ensure systems are powered on.

Answer: C

NEW QUESTION 85
- (Exam Topic 15)
When configuring Extensible Authentication Protocol (EAP) in a Voice over Internet Protocol (VoIP) network, which of the following authentication types is the MOST secure?

A. EAP-Transport Layer Security (TLS)
B. EAP-Flexible Authentication via Secure Tunneling
C. EAP-Tunneled Transport Layer Security (TLS)
D. EAP-Protected Extensible Authentication Protocol (PEAP)

Answer: C

NEW QUESTION 86
- (Exam Topic 15)
What is the term used to define where data is geographically stored in the cloud?

A. Data warehouse
B. Data privacy rights
C. Data subject rights
D. Data sovereignty

Answer: D

NEW QUESTION 89
- (Exam Topic 15)
Which of the following is the MOST common cause of system or security failures?

A. Lack of system documentation
B. Lack of physical security controls
C. Lack of change control
D. Lack of logging and monitoring

Answer: D

NEW QUESTION 92
- (Exam Topic 15)
Which of the following is MOST important to follow when developing information security controls for an organization?

A. Exercise due diligence with regard to all risk management information to tailor appropriate controls.
B. Perform a risk assessment and choose a standard that addresses existing gaps.
C. Use industry standard best practices for security controls in the organization.
D. Review all local and international standards and choose the most stringent based on location.

Answer: C

NEW QUESTION 96
- (Exam Topic 15)
Which of the following addresses requirements of security assessment during software acquisition?

A. Software assurance policy
B. Continuous monitoring
C. Software configuration management (SCM)
D. Data loss prevention (DLP) policy

Answer: B

NEW QUESTION 99
- (Exam Topic 15)
The Chief Executive Officer (CEO) wants to implement an internal audit of the company's information security posture. The CEO wants to avoid any bias in the audit process; therefore, has assigned the Sales Director to conduct the audit. After significant interaction over a period of weeks the audit concludes that the company's policies and procedures are sufficient, robust and well established. The CEO then moves on to engage an external penetration testing company in order to showcase the organization's robust information security stance. This exercise reveals significant failings in several critical security controls and shows that the incident response processes remain undocumented. What is the MOST likely reason for this disparity in the results of the audit and the external penetration test?

A. The external penetration testing company used custom zero-day attacks that could not have been predicted.
B. The information technology (IT) and governance teams have failed to disclose relevant information to the internal audit team leading to an incomplete assessment being formulated.
C. The scope of the penetration test exercise and the internal audit were significantly different.
D. The audit team lacked the technical experience and training to make insightful and objective assessments of the data provided to them.

Answer: C

NEW QUESTION 101

- (Exam Topic 15)
In the last 15 years a company has experienced three electrical failures. The cost associated with each failure is listed below.
Which of the following would be a reasonable annual loss expectation?

Availability	60,000
Integrity	10,000
Confidentiality	0
Total Impact	70,000

A. 140,000
B. 3,500
C. 350,000
D. 14,000

Answer: B

NEW QUESTION 104
- (Exam Topic 15)
When testing password strength, which of the following is the BEST method for brute forcing passwords?

A. Conduct an offline attack on the hashed password information.
B. Conduct an online password attack until the account being used is locked.
C. Use a comprehensive list of words to attempt to guess the password.
D. Use social engineering methods to attempt to obtain the password.

Answer: C

NEW QUESTION 106
- (Exam Topic 15)
Which of the following is the MOST effective countermeasure against data remanence?

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

Answer: A

NEW QUESTION 108
- (Exam Topic 15)
Information Security Continuous Monitoring (1SCM) is defined as maintaining ongoing awareness of information security, vulnerabilities, and threats to support organizational risk management
decisions. Which of the following is the FIRST step in developing an ISCM strategy and implementing an ISCM program?

A. Define a strategy based on risk tolerance that maintains clear visibility into assets, awareness of vulnerabilities, up-to-date threat information, and mission/business impacts.
B. Conduct a vulnerability assessment to discover current threats against the environment and incorporate them into the program.
C. Respond to findings with technical management, and operational mitigating activities or acceptance, transference/sharing, or avoidance/rejection.
D. Analyze the data collected and report findings, determining the appropriate respons
E. It may be necessary to collect additional information to clarify or supplement existing monitoring data.

Answer: A

NEW QUESTION 111
- (Exam Topic 15)
Which of the following BEST represents a defense in depth concept?

A. Network-based data loss prevention (DLP), Network Access Control (NAC), network-based Intrusion prevention system (NIPS), Port security on core switches
B. Host-based data loss prevention (DLP), Endpoint anti-malware solution, Host-based integrity checker, Laptop locks, hard disk drive (HDD) encryption
C. Endpoint security management, network intrusion detection system (NIDS), Network Access Control (NAC), Privileged Access Management (PAM), security informationand event management (SIEM)
D. Web application firewall (WAF), Gateway network device tuning, Database firewall, Next-Generation Firewall (NGFW), Tier-2 demilitarized zone (DMZ) tuning

Answer: C

NEW QUESTION 115
- (Exam Topic 15)
Which of the following are the B EST characteristics of security metrics?

A. They are generalized and provide a broad overview
B. They use acronyms and abbreviations to be concise
C. They use bar charts and Venn diagrams
D. They are consistently measured and quantitatively expressed

Answer: D

NEW QUESTION 116
- (Exam Topic 15)
Which of the following would qualify as an exception to the "right to be forgotten" of the General Data Protection Regulation's (GDPR)?

A. For the establishment, exercise, or defense of legal claims
B. The personal data has been lawfully processed and collected
C. The personal data remains necessary to the purpose for which it was collected
D. For the reasons of private interest

Answer: C

NEW QUESTION 117
- (Exam Topic 15)
A financial organization that works according to agile principles has developed a new application for their external customer base to request a line of credit. A security analyst has been asked to assess the security risk of the minimum viable product (MVP). Which is the MOST important activity the analyst should assess?

A. The software has the correct functionality.
B. The software has been code reviewed.
C. The software had been branded according to corporate standards,
D. The software has been signed off for release by the product owner.

Answer: A

NEW QUESTION 121
- (Exam Topic 15)
A security professional should ensure that clients support which secondary algorithm for digital signatures when a Secure Multipurpose Internet Mail Extension (S/MIME) is used?

A. Triple Data Encryption Standard (3DES)
B. Advanced Encryption Standard (AES)
C. Digital Signature Algorithm (DSA)
D. Rivest-Shamir-Adieman (RSA)

Answer: C

NEW QUESTION 125
- (Exam Topic 15)
Why is it important that senior management clearly communicates the formal Maximum Tolerable Downtime (MTD) decision?

A. To provide each manager with precise direction on selecting an appropriate recovery alternative
B. To demonstrate to the regulatory bodies that the company takes business continuity seriously
C. To demonstrate to the board of directors that senior management is committed to continuity recovery efforts
D. To provide a formal declaration from senior management as required by internal audit to demonstrate sound business practices

Answer: D

NEW QUESTION 126
- (Exam Topic 15)
Which of the following is the MOST appropriate control for asset data labeling procedures?

A. Logging data media to provide a physical inventory control
B. Reviewing audit trails of logging records
C. Categorizing the types of media being used
D. Reviewing off-site storage access controls

Answer: C

NEW QUESTION 127
- (Exam Topic 15)
The existence of physical barriers, card and personal identification number (PIN) access systems, cameras, alarms, and security guards BEST describes this security approach?

A. Security information and event management (SIEM)
B. Security perimeter
C. Defense-in-depth
D. Access control

Answer: B

NEW QUESTION 130
- (Exam Topic 15)
An information technology (IT) employee who travels frequently to various ies remotely to an organization’ the following solutions BEST serves as a secure control mechanism to meet the organization's requirements? to troubleshoot p Which of the following solutions BEST serves as a secure control mechanisn to meet the

organization's requirements?

A. Update the firewall rules to include the static Internet Protocol (IP) addresses of the locations where the employee connects from.
B. Install a third-party screen sharing solution that provides remote connection from a public website.
C. Implement a Dynamic Domain Name Services (DDNS) account to initiate a virtual private network (VPN) using the DDNS record.
D. Install a bastion host in the demilitarized zone (DMZ) and allow multi-factor authentication (MFA) access.

Answer: D

NEW QUESTION 134
- (Exam Topic 15)
Which of the following departments initiates the request, approval, and provisioning business process?

A. Operations
B. Human resources (HR)
C. Information technology (IT)
D. Security

Answer: A

NEW QUESTION 138
- (Exam Topic 15)
Which one of the following BEST protects vendor accounts that are used for emergency maintenance?

A. Encryption of routing tables
B. Vendor access should be disabled until needed
C. Role-based access control (RBAC)
D. Frequent monitoring of vendor access

Answer: B

NEW QUESTION 140
- (Exam Topic 15)
Which of the following would need to be configured to ensure a device with a specific MAC address is always assigned the same IP address from DHCP?

A. Scope options
B. Reservation
C. Dynamic assignment
D. Exclusion
E. Static assignment

Answer: B

NEW QUESTION 144
- (Exam Topic 15)
Which of the following is the BEST way to determine the success of a patch management process?

A. Analysis and impact assessment
B. Auditing and assessment
C. Configuration management (CM)
D. Change management

Answer: A

NEW QUESTION 149
- (Exam Topic 15)
Which type of disaster recovery plan (DRP) testing carries the MOST operational risk?

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

Answer: C

NEW QUESTION 153
- (Exam Topic 15)
If the wide area network (WAN) is supporting converged applications like Voice over Internet Protocol (VoIP), which of the following becomes even MORE essential to the assurance of network?

A. Classless Inter-Domain Routing (CIDR)
B. Deterministic routing
C. Internet Protocol (IP) routing lookups
D. Boundary routing

Answer: C

NEW QUESTION 158
- (Exam Topic 15)
A colleague who recently left the organization asked a security professional for a copy of the organization's confidential incident management policy. Which of the following is the BEST response to this request?

A. Email the policy to the colleague as they were already part of the organization and familiar with it.
B. Do not acknowledge receiving the request from the former colleague and ignore them.
C. Access the policy on a company-issued device and let the former colleague view the screen.
D. Submit the request using company official channels to ensure the policy is okay to distribute.

Answer: B

NEW QUESTION 159
- (Exam Topic 15)
Before implementing an internet-facing router, a network administrator ensures that the equipment is baselined/hardened according to approved configurations and settings. This action provides protection against which of the following attacks?

A. Blind spoofing
B. Media Access Control (MAC) flooding
C. SQL injection (SQLI)
D. Ransomware

Answer: B

NEW QUESTION 162
- (Exam Topic 15)
Which of the following terms BEST describes a system which allows a user to log in and access multiple related servers and applications?

A. Remote Desktop Protocol (RDP)
B. Federated identity management (FIM)
C. Single sign-on (SSO)
D. Multi-factor authentication (MFA)

Answer: B

NEW QUESTION 165
- (Exam Topic 15)
In systems security engineering, what does the security principle of modularity provide?

A. Documentation of functions
B. Isolated functions and data
C. Secure distribution of programs and data
D. Minimal access to perform a function

Answer: A

NEW QUESTION 169
- (Exam Topic 15)
What is the benefit of an operating system (OS) feature that is designed to prevent an application from executing code from a non-executable memory region?

A. Identifies which security patches still need to be installed on the system
B. Stops memory resident viruses from propagating their payload
C. Reduces the risk of polymorphic viruses from encrypting their payload
D. Helps prevent certain exploits that store code in buffers

Answer: C

NEW QUESTION 173
- (Exam Topic 15)
When assessing the audit capability of an application, which of the following activities is MOST important?

A. Determine if audit records contain sufficient information.
B. Review security plan for actions to be taken in the event of audit failure.
C. Verify if sufficient storage is allocated for audit records.
D. Identify procedures to investigate suspicious activity.

Answer: C

NEW QUESTION 174
- (Exam Topic 15)
A federal agency has hired an auditor to perform penetration testing on a critical system as part of the mandatory, annual Federal Information Security Management Act (FISMA) security assessments. The auditor is new to this system but has extensive experience with all types of penetration testing. The auditor has decided to begin with sniffing network traffic. What type of penetration testing is the auditor conducting?

A. White box testing
B. Black box testing
C. Gray box testing

D. Red box testing

Answer: C

NEW QUESTION 178
- (Exam Topic 15)
An organization has discovered that organizational data is posted by employees to data storage accessible to the general public. What is the PRIMARY step an organization must take
to ensure data is properly protected from public release?

A. Implement a data classification policy.
B. Implement a data encryption policy.
C. Implement a user training policy.
D. Implement a user reporting policy.

Answer: C

NEW QUESTION 182
- (Exam Topic 15)
A security professional has been assigned to assess a web application. The assessment report recommends switching to Security Assertion Markup Language (SAML). What is the PRIMARY security benefit in switching to SAML?

A. It uses Transport Layer Security (TLS) to address confidentiality.
B. it enables single sign-on (SSO) for web applications.
C. The users' password Is not passed during authentication.
D. It limits unnecessary data entry on web forms.

Answer: B

NEW QUESTION 184
- (Exam Topic 15)
A corporation does not have a formal data destruction policy. During which phase of a criminal legal proceeding will this have the MOST impact?

A. Arraignment
B. Trial
C. Sentencing
D. Discovery

Answer: D

NEW QUESTION 185
- (Exam Topic 15)
Which of the following security tools monitors devices and records the information in a central database for further analysis?

A. Security orchestration automation and response
B. Host-based intrusion detection system (HIDS)
C. Antivirus
D. Endpoint detection and response (EDR)

Answer: A

NEW QUESTION 187
- (Exam Topic 15)
What is the FINAL step in the waterfall method for contingency planning?

A. Maintenance
B. Testing
C. Implementation
D. Training

Answer: A

NEW QUESTION 188
- (Exam Topic 15)
Management has decided that a core application will be used on personal cellular phones. As an implementation requirement, regularly scheduled analysis of the security posture needs to be conducted. Management has also directed that continuous monitoring be implemented. Which of the following is required to accomplish management's directive?

A. Strict integration of application management, configuration management (CM), and phone management
B. Management application installed on user phones that tracks all application events and cellular traffic
C. Enterprise-level security information and event management (SIEM) dashboard that provides full visibility of cellular phone activity
D. Routine reports generated by the user's cellular phone provider that detail security events

Answer: B

NEW QUESTION 190

- (Exam Topic 15)
Commercial off-the-shelf (COTS) software presents which of the following additional security concerns?

A. Vendors take on the liability for COTS software vulnerabilities.
B. In-house developed software is inherently less secure.
C. Exploits for COTS software are well documented and publicly available.
D. COTS software is inherently less secure.

Answer: C

NEW QUESTION 193
- (Exam Topic 15)
Which of the following would be considered an incident if reported by a security information and event management (SIEM) system?

A. An administrator is logging in on a server through a virtual private network (VPN).
B. A log source has stopped sending data.
C. A web resource has reported a 404 error.
D. A firewall logs a connection between a client on the Internet and a web server using Transmission Control Protocol (TCP) on port 80.

Answer: C

NEW QUESTION 196
- (Exam Topic 15)
Security Software Development Life Cycle (SDLC) expects application code to be written In a consistent manner to allow ease of auditing and which of the following?

A. Protecting
B. Executing
C. Copying
D. Enhancing

Answer: A

NEW QUESTION 199
- (Exam Topic 15)
Which of the following is the reason that transposition ciphers are easily recognizable?

A. Key
B. Block
C. Stream
D. Character

Answer: B

NEW QUESTION 204
- (Exam Topic 15)
A security architect is developing an information system for a client. One of the requirements is to deliver a platform that mitigates against common vulnerabilities and attacks, What is the MOST efficient option used to prevent buffer overflow attacks?

A. Process isolation
B. Address Space Layout Randomization (ASLR)
C. Processor states
D. Access control mechanisms

Answer: B

NEW QUESTION 206
- (Exam Topic 15)
What is the benefit of using Network Admission Control (NAC)?

A. Operating system (OS) versions can be validated prior to allowing network access.
B. NAC supports validation of the endpoint's security posture prior to allowing the session to go into an authorized state.
C. NAC can require the use of certificates, passwords, or a combination of both before allowing network admission.
D. NAC only supports Windows operating systems (OS).

Answer: C

NEW QUESTION 207
- (Exam Topic 15)
Which of the following minimizes damage to information technology (IT) equipment stored in a data center when a false fire alarm event occurs?

A. A pre-action system is installed.
B. An open system is installed.
C. A dry system is installed.
D. A wet system is installed.

Answer: C

NEW QUESTION 212
- (Exam Topic 15)
Which of the following is the PRIMARY issue when analyzing detailed log information?

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

Answer: D

NEW QUESTION 213
- (Exam Topic 15)
Which of the following outsourcing agreement provisions has the HIGHEST priority from a security operations perspective?

A. Conditions to prevent the use of subcontractors
B. Terms for contract renegotiation in case of disaster
C. Escalation process for problem resolution during incidents
D. Root cause analysis for application performance issue

Answer: D

NEW QUESTION 217
- (Exam Topic 15)
Which of the following is the PRIMARY purpose of due diligence when an organization embarks on a merger or acquisition?

A. Assess the business risks.
B. Formulate alternative strategies.
C. Determine that all parties are equally protected.
D. Provide adequate capability for all parties.
E. Strategy and program management, project delivery, governance, operations

Answer: A

NEW QUESTION 222
- (Exam Topic 15)
Which of the following is the BEST way to protect privileged accounts?

A. Quarterly user access rights audits
B. Role-based access control (RBAC)
C. Written supervisory approval
D. Multi-factor authentication (MFA)

Answer: D

NEW QUESTION 224
- (Exam Topic 15)
Which of the following measures serves as the BEST means for protecting data on computers, smartphones, and external storage devices when traveling to high-risk countries?

A. Review applicable destination country laws, forensically clean devices prior to travel, and only download sensitive data over a virtual private network (VPN) upon arriving at the destination.
B. Keep laptops, external storage devices, and smartphones in the hotel room when not in use.
C. Leverage a Secure Socket Layer (SSL) connection over a virtual private network (VPN) to download sensitive data upon arriving at the destination.
D. Use multi-factor authentication (MFA) to gain access to data stored on laptops or external storage devices and biometric fingerprint access control isms to unlock smartphones.

Answer: D

NEW QUESTION 227
- (Exam Topic 15)
Data remanence is the biggest threat in which of the following scenarios?

A. A physical disk drive has been overwritten and reused within a datacenter.
B. A physical disk drive has been degaussed, verified, and released to a third party for dest…….
C. A flash drive has been overwritten, verified, and reused within a datacenter.
D. A flash drive has been overwritten and released to a third party for destruction.

Answer: D

NEW QUESTION 231
- (Exam Topic 15)
A Distributed Denial of Service (DDoS) attack was carried out using malware called Mirai to create a large-scale command and control system to launch a botnet. Which of the following devices were the PRIMARY sources used to generate the attack traffic?

A. Internet of Things (IoT) devices

B. Microsoft Windows hosts
C. Web servers running open source operating systems (OS)
D. Mobile devices running Android

Answer: A

NEW QUESTION 233
- (Exam Topic 15)
Which of the following is the BEST approach to implement multiple servers on a virtual system?

A. Implement multiple functions per virtual server and apply the same security configuration for each virtual server.
B. Implement one primary function per virtual server and apply high security configuration on the host operating system.
C. Implement one primary function per virtual server and apply individual security configuration for each virtual server.
D. Implement multiple functions within the same virtual server and apply individual security configurations to each function.

Answer: C

NEW QUESTION 237
- (Exam Topic 15)
Which of the following is the PRIMARY goal of logical access controls?

A. Restrict access to an information asset.
B. Ensure integrity of an information asset.
C. Restrict physical access to an information asset.
D. Ensure availability of an information asset.

Answer: C

NEW QUESTION 242
- (Exam Topic 15)
Which of the following attacks, if successful, could give an intruder complete control of a software-defined networking (SDN) architecture?

A. Sniffing the traffic of a compromised host inside the network
B. Sending control messages to open a flow that does not pass a firewall from a compromised host within the network
C. A brute force password attack on the Secure Shell (SSH) port of the controller
D. Remote Authentication Dial-In User Service (RADIUS) token replay attack

Answer: B

NEW QUESTION 247
- (Exam Topic 15)
Which of the following events prompts a review of the disaster recovery plan (DRP)?

A. New members added to the steering committee
B. Completion of the security policy review
C. Change in senior management
D. Organizational merger

Answer: D

NEW QUESTION 250
- (Exam Topic 15)
Where can the Open Web Application Security Project (OWASP) list of associated vulnerabilities be found?

A. OWASP Top 10 Project
B. OWASP Software Assurance Maturity Model (SAMM) Project
C. OWASP Guide Project
D. OWASP Mobile Project

Answer: A

NEW QUESTION 255
- (Exam Topic 15)
What requirement MUST be met during internal security audits to ensure that all information provided is expressed as an objective assessment without risk of retaliation?

A. The auditor must be independent and report directly to the management.
B. The auditor must utilize automated tools to back their findings.
C. The auditor must work closely with both the information Technology (IT) and security sections of an organization.
D. The auditor must perform manual reviews of systems and processes.

Answer: A

NEW QUESTION 257
- (Exam Topic 15)

Which of the following explains why classifying data is an important step in performing a Risk assessment?

A. To provide a framework for developing good security metrics
B. To justify the selection of costly security controls
C. To classify the security controls sensitivity that helps scope the risk assessment
D. To help determine the appropriate level of data security controls

Answer: D

NEW QUESTION 262
- (Exam Topic 15)
An organization recently suffered from a web-application attack that resulted in stolen user session cookie information. The attacker was able to obtain the information when a user's browser executed a script upon visiting a compromised website. What type of attack MOST likely occurred?

A. Cross-Site Scripting (XSS)
B. Extensible Markup Language (XML) external entities
C. SQL injection (SQLI)
D. Cross-Site Request Forgery (CSRF)

Answer: A

NEW QUESTION 263
- (Exam Topic 15)
What Is a risk of using commercial off-the-shelf (COTS) products?

A. COTS products may not map directly to an organization's security requirements.
B. COTS products are typically more expensive than developing software in-house.
C. Cost to implement COTS products is difficult to predict.
D. Vendors are often hesitant to share their source code.

Answer: A

NEW QUESTION 266
- (Exam Topic 15)
The Open Web Application Security Project's (OWASP) Software Assurance Maturity Model (SAMM) allows organizations to implement a flexible software security strategy to measure organizational impact based on what risk management aspect?

A. Risk tolerance
B. Risk exception
C. Risk treatment
D. Risk response

Answer: D

NEW QUESTION 268
- (Exam Topic 15)
A software architect has been asked to build a platform to distribute music to thousands of users on a global scale. The architect has been reading about content delivery networks (CDN). Which of the following is a principal task to undertake?

A. Establish a service-oriented architecture (SOA).
B. Establish a media caching methodology.
C. Establish relationships with hundreds of Internet service providers (ISP).
D. Establish a low-latency wide area network (WAN).

Answer: B

NEW QUESTION 270
- (Exam Topic 15)
Which of the following types of hosts should be operating in the demilitarized zone (DMZ)?

A. Hosts intended to provide limited access to public resources
B. Database servers that can provide useful information to the public
C. Hosts that store unimportant data such as demographical information
D. File servers containing organizational data

Answer: A

NEW QUESTION 275
- (Exam Topic 15)
If an employee transfers from one role to another, which of the following actions should this trigger within the identity and access management (IAM) lifecycle?

A. New account creation
B. User access review and adjustment
C. Deprovisioning
D. System account access review and adjustment

Answer: B

NEW QUESTION 279
- (Exam Topic 15)
Configuring a Wireless Access Point (WAP) with the same Service Set Identifier (SSID) as another WAP in order to have users unknowingly connect is referred to as which of the following?

A. Jamming
B. Man-irHht-Middk (MITM)
C. War driving
D. Internet Protocol (IP) spoofing

Answer: B

NEW QUESTION 281
- (Exam Topic 15)
The security team has been tasked with performing an interface test against a frontend external facing application and needs to verify that all input fields protect against
invalid input. Which of the following BEST assists this process?

A. Application fuzzing
B. Instruction set simulation
C. Regression testing
D. Sanity testing

Answer: A

NEW QUESTION 285
- (Exam Topic 15)
Which of the following is a key responsibility for a data steward assigned to manage an enterprise data lake?

A. Ensure proper business definition, value, and usage of data collected and stored within the enterprise data lake.
B. Ensure proper and identifiable data owners for each data element stored within an enterprise data lake.
C. Ensure adequate security controls applied to the enterprise data lake.
D. Ensure that any data passing within remit is being used in accordance with the rules and regulations of the business.

Answer: A

NEW QUESTION 289
- (Exam Topic 15)
Which of the (ISC)? Code of Ethics canons is MOST reflected when preserving the value of systems, applications, and entrusted information while avoiding conflicts of interest?

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

Answer: B

NEW QUESTION 291
- (Exam Topic 15)
Which change management role is responsible for the overall success of the project and supporting the change throughout the organization?

A. Change driver
B. Change implementer
C. Program sponsor
D. Project manager

Answer: D

NEW QUESTION 293
- (Exam Topic 15)
What is the FIRST step in risk management?

A. Establish the expectations of stakeholder involvement.
B. Identify the factors that have potential to impact business.
C. Establish the scope and actions required.
D. Identify existing controls in the environment.

Answer: C

NEW QUESTION 294
- (Exam Topic 15)
Which of the following is TRUE for an organization that is using a third-party federated identity service?

A. The organization enforces the rules to other organization's user provisioning
B. The organization establishes a trust relationship with the other organizations

C. The organization defines internal standard for overall user identification
D. The organization specifies alone how to authenticate other organization's users

Answer: C

NEW QUESTION 299
- (Exam Topic 15)
An organization is implementing security review as part of system development. Which of the following is the BEST technique to follow?

A. Engage a third-party auditing firm.
B. Review security architecture.
C. Perform incremental assessments.
D. Conduct penetration testing.

Answer: C

NEW QUESTION 300
- (Exam Topic 15)
At what stage of the Software Development Life Cycle (SDLC) does software vulnerability remediation MOST likely cost the least to implement?

A. Development
B. Testing
C. Deployme
D. Design

Answer: D

NEW QUESTION 301
- (Exam Topic 15)
An organization wants to share data securely with their partners via the Internet. Which standard port is typically used to meet this requirement?

A. Setup a server on User Datagram Protocol (UDP) port 69
B. Setup a server on Transmission Control Protocol (TCP) port 21
C. Setup a server on Transmission Control Protocol (TCP) port 22
D. Setup a server on Transmission Control Protocol (TCP) port 80

Answer: C

NEW QUESTION 305
- (Exam Topic 15)
Which of the following are the three MAIN categories of security controls?

A. Administrative, technical, physical
B. Corrective, detective, recovery
C. Confidentiality, integrity, availability
D. Preventative, corrective, detective

Answer: A

NEW QUESTION 309
- (Exam Topic 15)
Which of the following attack types can be used to compromise the integrity of data during transmission?

A. Keylogging
B. Packet sniffing
C. Synchronization flooding
D. Session hijacking

Answer: B

NEW QUESTION 313
- (Exam Topic 15)
Which of the following documents specifies services from the client's viewpoint?

A. Service level report
B. Business impact analysis (BIA)
C. Service level agreement (SLA)
D. Service Level Requirement (SLR)

Answer: C

NEW QUESTION 314
- (Exam Topic 15)
The security organization is looking for a solution that could help them determine with a strong level of confidence that attackers have breached their network.
Which solution is MOST effective at discovering a successful network breach?

A. Deploying a honeypot
B. Developing a sandbox
C. Installing an intrusion prevention system (IPS)
D. Installing an intrusion detection system (IDS)

Answer: A

NEW QUESTION 319
- (Exam Topic 15)
Which of the following statements is TRUE about Secure Shell (SSH)?

A. SSH does not protect against man-in-the-middle (MITM) attacks.
B. SSH supports port forwarding, which can be used to protect less secured protocols.
C. SSH can be used with almost any application because it is concerned with maintaining a circuit.
D. SSH is easy to deploy because it requires a Web browser only.

Answer: B

NEW QUESTION 320
- (Exam Topic 15)
What is the FIRST step in developing a patch management plan?

A. Subscribe to a vulnerability subscription service.
B. Develop a patch testing procedure.
C. Inventory the hardware and software used.
D. Identify unnecessary services installed on systems.

Answer: B

NEW QUESTION 325
- (Exam Topic 15)
Digital non-repudiation requires which of the following?

A. A trusted third-party
B. Appropriate corporate policies
C. Symmetric encryption
D. Multifunction access cards

Answer: A

NEW QUESTION 330
- (Exam Topic 15)
Which of the following is the MOST important first step in preparing for a security audit?

A. Identify team members.
B. Define the scope.
C. Notify system administrators.
D. Collect evidence.

Answer: B

NEW QUESTION 331
- (Exam Topic 15)
A company is attempting to enhance the security of its user authentication processes. After evaluating several options, the company has decided to utilize Identity as a Service (IDaaS).
Which of the following factors leads the company to choose an IDaaS as their solution?

A. In-house development provides more control.
B. In-house team lacks resources to support an on-premise solution.
C. Third-party solutions are inherently more secure.
D. Third-party solutions are known for transferring the risk to the vendor.

Answer: B

NEW QUESTION 333
- (Exam Topic 15)
Which evidence collecting technique would be utilized when it is believed an attacker is employing a rootkit and a quick analysis is needed?

A. Memory collection
B. Forensic disk imaging
C. Malware analysis
D. Live response

Answer: A

NEW QUESTION 338

- (Exam Topic 15)
Which technique helps system designers consider potential security concerns of their systems and applications?

A. Penetration testing
B. Threat modeling
C. Manual inspections and reviews
D. Source code review

Answer: B

NEW QUESTION 339
- (Exam Topic 15)
An authentication system that uses challenge and response was recently implemented on an organization's network, because the organization conducted an annual penetration test showing that testers were able to move laterally using authenticated credentials. Which attack method was MOST likely used to achieve this?

A. Cross-Site Scripting (XSS)
B. Pass the ticket
C. Brute force
D. Hash collision

Answer: B

NEW QUESTION 344
- (Exam Topic 15)
Of the following, which BEST provides non- repudiation with regards to access to a server room?

A. Fob and Personal Identification Number (PIN)
B. Locked and secured cages
C. Biometric readers
D. Proximity readers

Answer: C

NEW QUESTION 345
- (Exam Topic 15)
An attacker has intruded into the source code management system and is able to download but not modify the code. Which of the following aspects of the code theft has the HIGHEST security impact?

A. The attacker could publicly share confidential comments found in the stolen code.
B. Competitors might be able to steal the organization's ideas by looking at the stolen code.
C. A competitor could run their own copy of the organization's website using the stolen code.
D. Administrative credentials or keys hard-coded within the stolen code could be used to access sensitive data.

Answer: A

NEW QUESTION 346
- (Exam Topic 15)
A web-based application known to be susceptible to attacks is now under review by a senior developer. The organization would like to ensure this application Is less susceptible to injection attacks specifically,
What strategy will work BEST for the organization's situation?

A. Do not store sensitive unencrypted data on the back end.
B. Whitelist input and encode or escape output before it is processed for rendering.
C. Limit privileged access or hard-coding logon credentials,
D. Store sensitive data in a buffer that retains data in operating system (OS) cache or memory.

Answer: B

NEW QUESTION 349
- (Exam Topic 15)
Which organizational department is ultimately responsible for information governance related to e-mail and other e-records?

A. Audit
B. Compliance
C. Legal
D. Security

Answer: C

NEW QUESTION 351
- (Exam Topic 15)
Which of the following BEST describes the purpose of Border Gateway Protocol (BGP)?

A. Maintain a list of network paths between internet routers.
B. Provide Routing Information Protocol (RIP) version 2 advertisements to neighboring layer 3 devices.
C. Provide firewall services to cloud-enabled applications.

D. Maintain a list of efficient network paths between autonomous systems.

Answer: B

NEW QUESTION 355
- (Exam Topic 15)
When assessing web vulnerabilities, how can navigating the dark web add value to a penetration test?

A. The actual origin and tools used for the test can be hidden.
B. Information may be found on related breaches and hacking.
C. Vulnerabilities can be tested without impact on the tested environment.
D. Information may be found on hidden vendor patches.

Answer: D

NEW QUESTION 356
- (Exam Topic 15)
A company needs to provide shared access of sensitive data on a cloud storage to external business partners. Which of the following identity models is the BEST to blind identity providers (IdP) and relying parties (RP) so that subscriber lists of other parties are not disclosed?

A. Federation authorities
B. Proxied federation
C. Static registration
D. Dynamic registration

Answer: D

NEW QUESTION 358
- (Exam Topic 15)
An organization is preparing to achieve General Data Protection Regulation (GDPR) compliance. The Chief Information Security Officer (CISO) is reviewing data protection methods.
Which of the following is the BEST data protection method?

A. Encryption
B. Backups
C. Data obfuscation
D. Strong authentication

Answer: C

NEW QUESTION 363
- (Exam Topic 15)
When performing an investigation with the potential for legal action, what should be the analyst's FIRST consideration?

A. Chain-of-custody
B. Authorization to collect
C. Court admissibility
D. Data decryption

Answer: A

NEW QUESTION 367
- (Exam Topic 15)
A large manufacturing organization arranges to buy an industrial machine system to produce a new line of products. The system includes software provided to the vendor by a thirdparty organization. The financial risk to the manufacturing organization starting production is high. What step should the manufacturing organization take to minimize its financial risk in the new venture prior to the purchase?

A. Hire a performance tester to execute offline tests on a system.
B. Calculate the possible loss in revenue to the organization due to software bugs and vulnerabilities, and compare that to the system's overall price.
C. Place the machine behind a Layer 3 firewall.
D. Require that the software be thoroughly tested by an accredited independent software testing company.

Answer: B

NEW QUESTION 371
- (Exam Topic 15)
An organization purchased a commercial off-the-shelf (COTS) software several years ago. The information technology (IT) Director has decided to migrate the application into the cloud, but is concerned about the application security of the software in the organization's dedicated environment with a cloud service provider.
What is the BEST way to prevent and correct the software's security weal

A. Implement a dedicated COTS sandbox environment
B. Follow the software end-of-life schedule
C. Transfer the risk to the cloud service provider
D. Examine the software updating and patching process

Answer: A

NEW QUESTION 373
- (Exam Topic 15)
What is the second phase of public key infrastructure (PKI) key/certificate life-cycle management?

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

Answer: A

NEW QUESTION 378
- (Exam Topic 15)
International bodies established a regulatory scheme that defines how weapons are exchanged between the signatories. It also addresses cyber weapons, including malicious software, Command and Control (C2) software, and internet surveillance software. This is a description of which of the following?

A. General Data Protection Regulation (GDPR)
B. Palermo convention
C. Wassenaar arrangement
D. International Traffic in Arms Regulations (ITAR)

Answer: C

NEW QUESTION 382
- (Exam Topic 15)
What is considered the BEST explanation when determining whether to provide remote network access to a third-party security service?

A. Contract negotiation
B. Vendor demonstration
C. Supplier request
D. Business need

Answer: D

NEW QUESTION 383
- (Exam Topic 15)
A company wants to store data related to users on an offsite server. What method can be deployed to protect the privacy of the user's information while maintaining the field-level configuration of the database?

A. {Encryption
B. Encoding
C. Tokenization
D. Hashing

Answer: A

NEW QUESTION 387
- (Exam Topic 15)
An employee's home address should be categorized according to which of the following references?

A. The consent form terms and conditions signed by employees
B. The organization's data classification model
C. Existing employee data classifications
D. An organization security plan for human resources

Answer: B

NEW QUESTION 389
- (Exam Topic 15)
If traveling abroad and a customs official demands to examine a personal computer, which of the following should be assumed?

A. The hard drive has been stolen.
B. The Internet Protocol (IP) address has been copied.
C. The hard drive has been copied.
D. The Media Access Control (MAC) address was stolen

Answer: C

NEW QUESTION 391
- (Exam Topic 15)
An organization wants a service provider to authenticate users via the users' organization domain credentials. Which markup language should the organization's security personnel use to support the integration?

A. Security Assertion Markup Language (SAML)
B. YAML Ain't Markup Language (YAML)
C. Hypertext Markup Language (HTML)
D. Extensible Markup Language (XML)

Answer: A

NEW QUESTION 392
- (Exam Topic 15)
While dealing with the consequences of a security incident, which of the following security controls are MOST appropriate?

A. Detective and recovery controls
B. Corrective and recovery controls
C. Preventative and corrective controls
D. Recovery and proactive controls

Answer: C

NEW QUESTION 393
- (Exam Topic 15)
An Internet media company produces and broadcasts highly popular television shows. The company is suffering a huge revenue loss due to piracy. What technique should be used to track the distribution of content?

A. Install the latest data loss prevention (DLP) software at every server used to distribute content.
B. Log user access to server
C. Every day those log records are going to be audited by a team of specialized investigators.
D. Hire several investigators to identify sources of pirated content and report people sharing the content.
E. Use watermarking to hide a signature into the digital media such that it can be used to find who is using the company's content.

Answer: D

NEW QUESTION 398
- (Exam Topic 15)
A firm within the defense industry has been directed to comply with contractual requirements for encryption of a government client's Controlled Unclassified Information (CUI). What encryption strategy represents how to protect data at rest in the MOST efficient and cost-effective manner?

A. Perform physical separation of program information and encrypt only information deemed critical by the defense client
B. Perform logical separation of program information, using virtualized storage solutions with built-in encryption at the virtualization layer
C. Perform logical separation of program information, using virtualized storage solutions with encryption management in the back-end disk systems
D. Implement data at rest encryption across the entire storage area network (SAN)

Answer: C

NEW QUESTION 400
- (Exam Topic 15)
When conducting a remote access session using Internet Protocol Security (IPSec), which Open Systems Interconnection (OSI) model layer does this connection use?

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

Answer: B

NEW QUESTION 405
- (Exam Topic 15)
The security team is notified that a device on the network is infected with malware. Which of the following is MOST effective in enabling the device to be quickly located and remediated?

A. Data loss protection (DLP)
B. Intrusion detection
C. Vulnerability scanner
D. Information Technology Asset Management (ITAM)

Answer: D

NEW QUESTION 406
- (Exam Topic 15)
Which of the following is the BEST method to gather evidence from a computer's hard drive?

A. Disk duplication
B. Disk replacement
C. Forensic signature
D. Forensic imaging

Answer: D

NEW QUESTION 411
- (Exam Topic 15)

A system developer has a requirement for an application to check for a secure digital signature before the application is accessed on a user's laptop. Which security mechanism addresses this requirement?

A. Hardware encryption
B. Certificate revocation list (CRL) policy
C. Trusted Platform Module (TPM)
D. Key exchange

Answer: B

NEW QUESTION 416
- (Exam Topic 15)
An organization implements Network Access Control (NAC) ay Institute of Electrical and Electronics Engineers (IEEE) 802.1x and discovers the printers do not support the IEEE 802.1x standard. Which of the following is the BEST resolution?

A. Implement port security on the switch ports for the printers.
B. Implement a virtual local area network (VLAN) for the printers.
C. Do nothing; IEEE 802.1x is irrelevant to printers.
D. Install an IEEE 802. 1x bridge for the printers.

Answer: A

NEW QUESTION 419
- (Exam Topic 15)
The Industrial Control System (ICS) Computer Emergency Response Team (CERT) has released an alert regarding ICS-focused malware specifically propagating through Windows-based business networks. Technicians at a local water utility note that their dams, canals, and locks controlled by an internal Supervisory Control and Data Acquisition (SCADA) system have been malfunctioning. A digital forensics professional is consulted in the Incident Response (IR) and recovery. Which of the following is the
MOST challenging aspect of this investigation?

A. SCADA network latency
B. Group policy implementation
C. Volatility of data
D. Physical access to the system

Answer: C

NEW QUESTION 420
- (Exam Topic 15)
Which of the following security tools will ensure authorized data is sent to the application when implementing a cloud based application?

A. Host-based intrusion prevention system (HIPS)
B. Access control list (ACL)
C. File integrity monitoring (FIM)
D. Data loss prevention (DLP)

Answer: B

NEW QUESTION 422
- (Exam Topic 15)
What is the MAIN purpose of a security assessment plan?

A. Provide guidance on security requirements, to ensure the identified security risks are properly addressed based on the recommendation
B. Provide the objectives for the security and privacy control assessments and a detailed roadmap of how to conduct such assessments.
C. Provide technical information to executives to help them understand information security postures and secure funding.
D. Provide education to employees on security and privacy, to ensure their awareness on policies and procedures

Answer: B

NEW QUESTION 425
- (Exam Topic 15)
Which of the following protects personally identifiable information (PII) used by financial services organizations?

A. National Institute of Standards and Technology (NIST) SP 800-53
B. Gramm-Leach-Bliley Act (GLBA)
C. Payment Card Industry Data Security Standard (PCI-DSS)
D. Health Insurance Portability and Accountability Act (HIPAA)

Answer: B

NEW QUESTION 427
- (Exam Topic 15)
What is the PRIMARY objective of the post-incident phase of the incident response process in the security operations center (SOC)?

A. improve the IR process.
B. Communicate the IR details to the stakeholders.
C. Validate the integrity of the IR.

D. Finalize the IR.

Answer: A

NEW QUESTION 428
- (Exam Topic 15)
Which application type is considered high risk and provides a common way for malware and viruses to enter a network?

A. Instant messaging or chat applications
B. E-mail applications
C. Peer-to-Peer (P2P) file sharing applications
D. End-to-end applications

Answer: A

NEW QUESTION 431
- (Exam Topic 15)
Which of the following describes the BEST method of maintaining the inventory of software and hardware within the organization?

A. Maintaining the inventory through a combination of desktop configuration, administration management, and procurement management tools
B. Maintaining the inventory through a combination of asset owner interviews, open-source system management, and open-source management tools
C. Maintaining the inventory through a combination of on-premise storage configuration, cloud management, and partner management tools
D. Maintaining the inventory through a combination of system configuration, network management, and license management tools

Answer: C

NEW QUESTION 433
- (Exam Topic 15)
A security professional needs to find a secure and efficient method of encrypting data on an endpoint. Which solution includes a root key?

A. Bitlocker
B. Trusted Platform Module (TPM)
C. Virtual storage array network (VSAN)
D. Hardware security module (HSM)

Answer: D

NEW QUESTION 436
- (Exam Topic 15)
What industry-recognized document could be used as a baseline reference that is related to data security and business operations for conducting a security assessment?

A. Service Organization Control (SOC) 1 Type 2
B. Service Organization Control (SOC) 2 Type 1
C. Service Organization Control (SOC) 1 Type 1
D. Service Organization Control (SOC) 2 Type 2

Answer: D

NEW QUESTION 439
- (Exam Topic 15)
A company needs to provide employee access to travel services, which are hosted by a third-party service provider, Employee experience is important, and when users are already authenticated, access to the travel portal is seamless. Which of the following methods is used to share information and grant user access to the travel portal?

A. Security Assertion Markup Language (SAML) access
B. Single sign-on (SSO) access
C. Open Authorization (OAuth) access
D. Federated access

Answer: D

NEW QUESTION 441
- (Exam Topic 15)
employee training, risk management, and data handling procedures and policies could be characterized as which type of security measure?

A. Non-essential
B. Management
C. Preventative
D. Administrative

Answer: D

NEW QUESTION 445
- (Exam Topic 15)

What is a security concern when considering implementing software-defined networking (SDN)?

A. It increases the attack footprint.
B. It uses open source protocols.
C. It has a decentralized architecture.
D. It is cloud based.

Answer: C

NEW QUESTION 450
- (Exam Topic 15)
A security professional has reviewed a recent site assessment and has noted that a server room on the second floor of a building has Heating, Ventilation, and Air Conditioning (HVAC) intakes on the ground level that have ultraviolet light filters installed, Aero-K Fire suppression in the server room, and pre-action fire suppression on floors above the server room. Which of the following changes can the security professional recommend to reduce risk associated with these conditions?

A. Remove the ultraviolet light filters on the HVAC intake and replace the fire suppression system on the upper floors with a dry system
B. Add additional ultraviolet light filters to the HVAC intake supply and return ducts and change server room fire suppression to FM-200
C. Apply additional physical security around the HVAC intakes and update upper floor fire suppression to FM-200.
D. Elevate the HVAC intake by constructing a plenum or external shaft over it and convert the server room fire suppression to a pre-action system

Answer: C

NEW QUESTION 455
- (Exam Topic 15)
Compared to a traditional network, which of the following is a security-related benefit that software-defined networking (SDN) provides?

A. Centralized network provisioning
B. Centralized network administrator control
C. Reduced network latency when scaled
D. Reduced hardware footprint and cost

Answer: B

NEW QUESTION 456
- (Exam Topic 15)
Which media sanitization methods should be used for data with a high security categorization?

A. Clear or destroy
B. Clear or purge
C. Destroy or delete
D. Purge or destroy

Answer: D

NEW QUESTION 459
- (Exam Topic 15)
An information security professional is reviewing user access controls on a customer-facing application. The application must have multi-factor authentication (MFA) in place. The application currently requires a username and password to login. Which of the following options would BEST implement MFA?

A. Geolocate the user and compare to previous logins
B. Require a pre-selected number as part of the login
C. Have the user answer a secret question that is known to them
D. Enter an automatically generated number from a hardware token

Answer: C

NEW QUESTION 463
- (Exam Topic 15)
How is Remote Authentication Dial-In User Service (RADIUS) authentication accomplished?

A. It uses clear text and firewall rules.
B. It relies on Virtual Private Networks (VPN).
C. It uses clear text and shared secret keys.
D. It relies on asymmetric encryption keys.

Answer: C

NEW QUESTION 467
- (Exam Topic 15)
A cloud service accepts Security Assertion Markup Language (SAML) assertions from users to on and security However, an attacker was able to spoof a registered account on the network and query the SAML provider.
What is the MOST common attack leverage against this flaw?

A. Attacker forges requests to authenticate as a different user.
B. Attacker leverages SAML assertion to register an account on the security domain.
C. Attacker conducts denial-of-service (DoS) against the security domain by authenticating as the same user repeatedly.

D. Attacker exchanges authentication and authorization data between security domains.

Answer: A

NEW QUESTION 472
- (Exam Topic 15)
Which of the following BEST describes centralized identity management?

A. Service providers rely on a trusted third party (TTP) to provide requestors with both credentials and identifiers.
B. Service providers agree to integrate identity system recognition across organizational boundaries.
C. Service providers identify an entity by behavior analysis versus an identification factor.
D. Service providers perform as both the credential and identity provider (IdP).

Answer: B

NEW QUESTION 477
- (Exam Topic 15)
How is it possible to extract private keys securely stored on a cryptographic smartcard?

A. Bluebugging
B. Focused ion-beam
C. Bluejacking
D. Power analysis

Answer: D

NEW QUESTION 480
- (Exam Topic 15)
An application developer receives a report back from the security team showing their automated tools were able to successfully enter unexpected data into the organization's customer service portal, causing the site to crash. This is an example of which type of testing?

A. Non-functional
B. Positive
C. Performance
D. Negative

Answer: D

NEW QUESTION 483
- (Exam Topic 15)
A company-wide penetration test result shows customers could access and read files through a web browser. Which of the following can be used to mitigate this vulnerability?

A. Enforce the chmod of files to 755.
B. Enforce the control of file directory listings.
C. Implement access control on the web server.
D. Implement Secure Sockets Layer (SSL) certificates throughout the web server.

Answer: B

NEW QUESTION 485
- (Exam Topic 15)
Which of the following should be included in a good defense-in-depth strategy provided by object-oriented programming for software deployment?

A. Polyinstantiation
B. Polymorphism
C. Encapsulation
D. Inheritance

Answer: A

NEW QUESTION 489
- (Exam Topic 15)
A hospital’s building controls system monitors and operates the environmental equipment to maintain a safe and comfortable environment. Which of the following could be
used to minimize the risk of utility supply interruption?

A. Digital devices that can turn equipment off and continuously cycle rapidly in order to increase supplies and conceal activity on the hospital network
B. Standardized building controls system software with high connectivity to hospital networks
C. Lock out maintenance personnel from the building controls system access that can impact critical utility supplies
D. Digital protection and control devices capable of minimizing the adverse impact to critical utility

Answer: D

NEW QUESTION 490

- (Exam Topic 15)
A criminal organization is planning an attack on a government network. Which of the following scenarios presents the HIGHEST risk to the organization?

A. Network is flooded with communication traffic by the attacker.
B. Organization loses control of their network devices.
C. Network management communications is disrupted.
D. Attacker accesses sensitive information regarding the network topology.

Answer: B

NEW QUESTION 492
- (Exam Topic 15)
An organization would like to ensure that all new users have a predefined departmental access template applied upon creation. The organization would also like additional access for users to be granted on a
per-project basis. What type of user access administration is BEST suited to meet the organization's needs?

A. Hybrid
B. Federated
C. Decentralized
D. Centralized

Answer: A

NEW QUESTION 494
- (Exam Topic 15)
Which of the following is a risk matrix?

A. A database of risks associated with a specific information system.
B. A table of risk management factors for management to consider.
C. A two-dimensional picture of risk for organizations, products, projects, or other items of interest.
D. A tool for determining risk management decisions for an activity or system.

Answer: C

NEW QUESTION 496
- (Exam Topic 15)
Which of the following should exist in order to perform a security audit?

A. Industry framework to audit against
B. External (third-party) auditor
C. Internal certified auditor
D. Neutrality of the auditor

Answer: D

NEW QUESTION 499
- (Exam Topic 15)
The European Union (EU) General Data Protection Regulation (GDPR) requires organizations to implement appropriate technical and organizational measures to ensure a
level of security appropriate to the risk. The Data Owner should therefore consider which of the following requirements?

A. Data masking and encryption of personal data
B. Only to use encryption protocols approved by EU
C. Anonymization of personal data when transmitted to sources outside the EU
D. Never to store personal data of EU citizens outside the EU

Answer: D

NEW QUESTION 504
- (Exam Topic 15)
When MUST an organization's information security strategic plan be reviewed?

A. Quarterly, when the organization's strategic plan is updated
B. Whenever there are significant changes to a major application
C. Every three years, when the organization's strategic plan is updated
D. Whenever there are major changes to the business

Answer: D

NEW QUESTION 505
- (Exam Topic 15)
When recovering from an outage, what is the Recovery Point Objective (RPO), in terms of data recovery?

A. The RPO is the maximum amount of time for which loss of data is acceptable.
B. The RPO is the minimum amount of data that needs to be recovered.
C. The RPO is a goal to recover a targeted percentage of data lost.
D. The RPO is the amount of time it takes to recover an acceptable percentage of data lost.

Answer: B

NEW QUESTION 510
- (Exam Topic 15)
Who should perform the design review to uncover security design flaws as part of the Software Development Life Cycle (SDLC)?

A. The business owner
B. security subject matter expert (SME)
C. The application owner
D. A developer subject matter expert (SME)

Answer: B

NEW QUESTION 512
- (Exam Topic 15)
At which phase of the software assurance life cycle should risks associated with software acquisition strategies be identified?

A. Follow-on phase
B. Planning phase
C. Monitoring and acceptance phase
D. Contracting phase

Answer: C

NEW QUESTION 514
- (Exam Topic 15)
How should the retention period for an organization's social media content be defined?

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

Answer: C

NEW QUESTION 518
- (Exam Topic 15)
Which of the following features is MOST effective in mitigating against theft of data on a corporate mobile device which has been stolen?

A. Mobile Device Management (MDM) with device wipe
B. Whole device encryption with key escrow
C. Virtual private network (VPN) with traffic encryption
D. Mobile device tracking with geolocation

Answer: A

NEW QUESTION 520
- (Exam Topic 15)
What is the BEST approach to anonymizing personally identifiable information (PII) in a test environment?

A. Randomizing data
B. Swapping data
C. Encrypting data
D. Encoding data

Answer: C

NEW QUESTION 525
- (Exam Topic 15)
Which of the following threats would be MOST likely mitigated by monitoring assets containing open source libraries for vulnerabilities?

A. Distributed denial-of-service (DDoS) attack
B. Zero-day attack
C. Phishing attempt
D. Advanced persistent threat (APT) attempt

Answer: A

NEW QUESTION 526
- (Exam Topic 15)
In an IDEAL encryption system, who has sole access to the decryption key?

A. System owner
B. Data owner
C. Data custodian

D. System administrator

Answer: B

NEW QUESTION 530
- (Exam Topic 15)
A retail company is looking to start a development project that will utilize open source components in its code for the first time. The development team has already acquired several 'open source components and utilized them in proof of concept (POC) code. The team recognizes that the legal and operational risks are outweighed by the benefits of open-source software use. What MUST the organization do next?

A. Mandate that all open-source components be approved by the Information Security Manager (ISM).
B. Scan all open-source components for security vulnerabilities.
C. Establish an open-source compliance policy.
D. Require commercial support for all open-source components.

Answer: C

NEW QUESTION 533
- (Exam Topic 15)
An internal audit for an organization recently identified malicious actions by a user account. Upon further investigation, it was determined the offending user account was used by multiple people at multiple locations simultaneously for various services and applications. What is the BEST method to prevent this problem in the future?

A. Ensure the security information and event management (SIEM) is set to alert.
B. Inform users only one user should be using the account at a time.
C. Ensure each user has their own unique account,
D. Allow several users to share a generic account.

Answer: A

NEW QUESTION 535
- (Exam Topic 15)
Which of the following are all elements of a disaster recovery plan (DRP)?

A. Document the actual location of the ORP, developing an incident notification procedure, evaluating costs of critical components
B. Document the actual location of the ORP, developing an incident notification procedure, establishing recovery locations
C. Maintain proper documentation of all server logs, developing an incident notification procedure, establishing recovery locations
D. Document the actual location of the ORP, recording minutes at all ORP planning sessions, establishing recovery locations

Answer: C

NEW QUESTION 537
- (Exam Topic 15)
What are the PRIMARY responsibilities of security operations for handling and reporting violations and incidents?

A. Monitoring and identifying system failures, documenting incidents for future analysis, and scheduling patches for systems
B. Scheduling patches for systems, notifying the help desk, and alerting key personnel
C. Monitoring and identifying system failures, alerting key personnel, and containing events
D. Documenting incidents for future analysis, notifying end users, and containing events

Answer: D

NEW QUESTION 539
- (Exam Topic 15)
A large organization's human resources and security teams are planning on implementing technology to eliminate manual user access reviews and improve compliance. Which of the following options is MOST likely to resolve the issues associated with user access?

A. Implement a role-based access control (RBAC) system.
B. Implement identity and access management (IAM) platform.
C. Implement a Privileged Access Management (PAM) system.
D. Implement a single sign-on (SSO) platform.

Answer: B

NEW QUESTION 540
- (Exam Topic 14)
What is the MOST effective way to determine a mission critical asset in an organization?

A. Vulnerability analysis
B. business process analysis
C. Threat analysis
D. Business risk analysis

Answer: B

NEW QUESTION 542

- (Exam Topic 14)
What form of attack could this represent?

A. A Denial of Service (DoS) attack against the gateway router because the router can no longer accept packets from
B. A transport layer attack that prevents the resolution of 10.102.10.6 address
C. A Denial of Service (DoS) attack against 10.102.10.2 because it cannot respond correctly to ARP requests
D. A masquerading attack that sends packets intended for 10.102.10.6 to 10.102.10.2

Answer: D

NEW QUESTION 546
- (Exam Topic 14)
Which of the following media is LEAST problematic with data remanence?

A. Dynamic Random Access Memory (DRAM)
B. Electrically Erasable Programming Read-Only Memory (BPRCM)
C. Flash memory
D. Magnetic disk

Answer: A

NEW QUESTION 547
- (Exam Topic 14)
In a dispersed network that lacks central control, which of the following is die PRIMARY course of action to mitigate exposure?

A. Implement management policies, audit control, and data backups
B. Implement security policies and standards, access controls, and access limitations
C. Implement security policies and standards, data backups, and audit controls
D. Implement remote access policies, shared workstations, and log management

Answer: C

NEW QUESTION 552
- (Exam Topic 14)
Which one of the following documentation should be included in a Disaster Recovery (DR) package?

A. Source code, compiled code, firmware updates, operational log book and manuals.
B. Data encrypted in original format, auditable transaction data, and recovery instructions for future extraction on demand.
C. Hardware configuration instructions, hardware configuration software, an operating system image, a data restoration option, media retrieval instructions,…..
D. System configuration including hardware, software, hardware, interfaces, software Application Programming Interface (API) configuration, data structure, ….

Answer: C

NEW QUESTION 554
- (Exam Topic 14)
What should an auditor do when conducting a periodic audit on media retention?

A. Check electronic storage media to ensure records are not retained past their destruction date.
B. Ensure authorized personnel are in possession of paper copies containing Personally Identifiable Information….
C. Check that hard disks containing backup data that are still within a retention cycle are being destroyed….
D. Ensure that data shared with outside organizations is no longer on a retention schedule.

Answer: A

NEW QUESTION 555
- (Exam Topic 14)
An organization wants to enable uses to authenticate across multiple security domains. To accomplish this they have decided to use Federated Identity Management (F1M). Which of the following is used behind the scenes in a FIM deployment?

A. Standard Generalized Markup Language (SGML)
B. Extensible Markup Language (XML)
C. Security Assertion Markup Language (SAML)
D. Transaction Authority Markup Language (XAML)

Answer: C

NEW QUESTION 559
- (Exam Topic 14)
Which of the following is the PRIMARY risk associated with Extensible Markup Language (XML) applications?

A. Users can manipulate the code.
B. The stack data structure cannot be replicated.
C. The stack data structure is repetitive.
D. Potential sensitive data leakage.

Answer: A

NEW QUESTION 560
- (Exam Topic 14)
For the purpose of classification, which of the following is used to divide trust domain and trust boundaries?

A. Network architecture
B. Integrity
C. Identity Management (IdM)
D. Confidentiality management

Answer: A

NEW QUESTION 561
- (Exam Topic 14)
Physical assets defined in an organization's Business Impact Analysis (BIA) could include which of the following?

A. Personal belongings of organizational staff members
B. Supplies kept off-site at a remote facility
C. Cloud-based applications
D. Disaster Recovery (DR) line-item revenues

Answer: B

NEW QUESTION 562
- (Exam Topic 14)
How long should the records on a project be retained?

A. For the duration of the project, or at the discretion of the record owner
B. Until they are no longer useful or required by policy
C. Until five years after the project ends, then move to archives
D. For the duration of the organization fiscal year

Answer: B

NEW QUESTION 565
- (Exam Topic 14)
Vulnerability scanners may allow for the administrator to assign which of the following in order to assist in prioritizing remediation activities?

A. Definitions for each exposure type
B. Vulnerability attack vectors
C. Asset values for networks
D. Exploit code metrics

Answer: C

NEW QUESTION 570
- (Exam Topic 14)
A corporate security policy specifies that all devices on the network must have updated operating system patches and anti-malware software. Which technology should be used to enforce this policy?

A. Network Address Translation (NAT)
B. Stateful Inspection
C. Packet filtering
D. Network Access Control (NAC)

Answer: D

NEW QUESTION 573
- (Exam Topic 14)
The Secure Shell (SSH) version 2 protocol supports.

A. availability, accountability, compression, and integrity,
B. authentication, availability, confidentiality, and integrity.
C. accountability, compression, confidentiality, and integrity.
D. authentication, compression, confidentiality, and integrity.

Answer: D

NEW QUESTION 575
- (Exam Topic 14)
Which of the following is the GREATEST security risk associated with the user of identity as a service (IDaaS) when an organization its own software?

A. Incompatibility with Federated Identity Management (FIM)
B. Increased likelihood of confidentiality breach
C. Denial of access due to reduced availability
D. Security Assertion Markup Language (SAM) integration

Answer:

B

NEW QUESTION 579
- (Exam Topic 14)
Which of the following is a MAJOR concern when there is a need to preserve or retain information for future retrieval?

A. Laws and regulations may change in the interim, making it unnecessary to retain the information.
B. The expense of retaining the information could become untenable for the organization.
C. The organization may lose track of the information and not dispose of it securely.
D. The technology needed to retrieve the information may not be available in the future.

Answer: C

NEW QUESTION 582
- (Exam Topic 14)
What should be used immediately after a Business Continuity Plan (BCP) has been invoked?

A. Resumption procedures describing the actions to be taken to return to normal business operations
B. Emergency procedures describing the necessary actions to be taken following an incident jeopardizes business operations
C. Fallback procedures describing what action are to be taken to more essential business activities to alternative temporary locations
D. Maintain schedule how and the plan will be tested and the process for maintaining the plan

Answer: B

NEW QUESTION 586
- (Exam Topic 14)
What are the roles within a scrum methodology?

A. Scrum master, retirements manager, and development team
B. System owner, scrum master, and development team
C. Scrum master, quality assurance team, and scrum team
D. Product owner, scrum master, and scrum team

Answer: D

NEW QUESTION 588
- (Exam Topic 14)
Compared with hardware cryptography, software cryptography is generally

A. less expensive and slower.
B. more expensive and faster.
C. more expensive and slower.
D. less expensive and faster.

Answer: A

Explanation:
Reference:
https://www.ontrack.com/uk/blog/making-data-simple/hardware-encryption-vs-software-encryption-the-simple

NEW QUESTION 592
- (Exam Topic 14)
A security practitioner has been tasked with establishing organizational asset handling procedures. What should be considered that would have the GRFATEST impact to the development of these procedures?

A. Media handling procedures
B. User roles and responsibilities
C. Acceptable Use Policy (ALP)
D. Information classification scheme

Answer: D

NEW QUESTION 596
- (Exam Topic 14)
How can an attacker exploit overflow to execute arbitrary code?

A. Modify a function's return address.
B. Alter the address of the stack.
C. Substitute elements in the stack.
D. Move the stack pointer.

Answer: A

NEW QUESTION 601
- (Exam Topic 14)

Which of the following is the PRIMARY mechanism used to limit the range of objects available to a given subject within different execution domains?

A. Process isolation
B. Data hiding and abstraction
C. Use of discrete layering and Application Programming Interfaces (API)
D. Virtual Private Network (VPN)

Answer: C

Explanation:
Reference: https://books.google.com.pk/books?id=LnjxBwAAQBAJ&pg=PT504&lpg=PT504&dq=CISSP+mechanism+us

NEW QUESTION 603
- (Exam Topic 14)
Which of the following is a characteristic of convert security testing?

A. Induces less risk than over testing
B. Tests staff knowledge and Implementation of the organization's security policy
C. Focuses an Identifying vulnerabilities
D. Tests and validates all security controls in the organization

Answer: B

NEW QUESTION 606
- (Exam Topic 14)
Which of the following is a method of attacking internet (IP) v6 Layer 3 and Layer 4 ?

A. Synchronize sequence numbers (SVN) flooding
B. Internet Control Message Protocol (IOP) flooring
C. Domain Name Server [DNS) cache poisoning
D. Media Access Control (MAC) flooding

Answer: A

NEW QUESTION 611
- (Exam Topic 14)
Which of the following is the MOST important reason for using a chain of custody from?

A. To document those who were In possession of the evidence at every point In time
B. To collect records of all digital forensic professionals working on a case
C. To document collected digital evidence
D. To ensure that digital evidence is not overlooked during the analysis

Answer: A

NEW QUESTION 615
- (Exam Topic 14)
An organization has a short-term agreement with a public Cloud Service Provider (CSP). Which of the following BEST protects sensitive data once the agreement expires and the assets are reused?

A. Recommended that the business data owners use continuous monitoring and analysis of applications to prevent data loss.
B. Recommend that the business data owners use internal encryption keys for data-at-rest and data-in-transit to the storage environment.
C. Use a contractual agreement to ensure the CSP wipes the data from the storage environment.
D. Use a National Institute of Standards and Technology (NIST) recommendation for wiping data on the storage environment.

Answer: C

NEW QUESTION 616
- (Exam Topic 14)
Which of the following is the BEST definition of Cross-Site Request Forgery (CSRF)?

A. An attack which forces an end user to execute unwanted actions on a web application in which they are currently authenticated
B. An attack that injects a script into a web page to execute a privileged command
C. An attack that makes an illegal request across security zones and thereby forges itself into the security database of the system
D. An attack that forges a false Structure Query Language (SQL) command across systems

Answer: A

Explanation:
Reference: https://portswigger.net/web-security/csrf

NEW QUESTION 620
- (Exam Topic 14)
What testing technique enables the designer to develop mitigation strategies for potential vulnerabilities?

A. Manual inspections and reviews

B. Penetration testing
C. Threat modeling
D. Source code review

Answer: C

NEW QUESTION 624
- (Exam Topic 14)
When dealing with shared, privilaged accounts, especially those for emergencies, what is the BEST way to assure non-repudiation of logs?

A. Regularity change the passwords,
B. implement a password vaulting solution.
C. Lock passwords in tamperproof envelopes in a safe.
D. Implement a strict access control policy.

Answer: B

NEW QUESTION 628
- (Exam Topic 14)
Which is the RECOMMENDED configuration mode for sensors for an intrusion prevention system (IPS) if the prevention capabilities will be used?

A. Active
B. Passive
C. Inline
D. Span

Answer: C

NEW QUESTION 630
- (Exam Topic 14)
During a Disaster Recovery (DR) assessment, additional coverage for assurance is required. What should en assessor do?

A. Increase the number and type of relevant staff to interview.
B. Conduct a comprehensive examination of the Disaster Recovery Plan (DRP).
C. Increase the level of detail of the interview questions.
D. Conduct a detailed review of the organization's DR policy.

Answer: A

NEW QUESTION 631
- (Exam Topic 14)
Which of the following is held accountable for the risk to organizational systems and data that result from outsourcing Information Technology (IT) systems and services?

A. The acquiring organization
B. The service provider
C. The risk executive (function)
D. The IT manager

Answer: C

NEW QUESTION 634
- (Exam Topic 14)
When selecting a disk encryption technology, which of the following MUST also be assured to be encrypted?

A. Master Boot Record (MBR)
B. Pre-boot environment
C. Basic Input Output System (BIOS)
D. Hibernation file

Answer: A

NEW QUESTION 637
- (Exam Topic 14)
Which of the following is the final phase of the identity and access provisioning lifecycle?

A. Recertification
B. Revocation
C. Removal
D. Validation

Answer: B

Explanation:
Reference: https://books.google.com.pk/books?id=W2TvAgAAQBAJ&pg=PA256&lpg=PA256&dq=process+in+the+acce

NEW QUESTION 642
- (Exam Topic 14)
An organization discovers that its secure file transfer protocol (SFTP) server has been accessed by an unauthorized person to download an unreleased game. A recent security audit found weaknesses in some of the organization's general information technology (IT) controls, specifically pertaining to software change control and security patch management, but not in other control areas.
Which of the following is the MOST probable attack vector used in the security breach?

A. Buffer overflow
B. Weak password able to lack of complexity rules
C. Distributed Denial of Service (DDoS)
D. Cross-Site Scripting (XSS)

Answer: A

NEW QUESTION 646
- (Exam Topic 14)
Which layer of the Open system Interconnect (OSI) model is responsible for secure data transfer between applications, flow control, and error detection and correction?

A. Layer 2
B. Layer 4
C. Layer 5
D. Layer 6

Answer: B

NEW QUESTION 648
- (Exam Topic 14)
In order for application developers to detect potential vulnerabilities earlier during the Software Development Life Cycle (SDLC), which of the following safeguards should be implemented FIRST as part of a comprehensive testing framework?

A. Source code review
B. Acceptance testing
C. Threat modeling
D. Automated testing

Answer: A

NEW QUESTION 649
- (Exam Topic 14)
Which of the following job functions MUST be separated to maintain data and application integrity?

A. Applications development and systems analysis
B. Production control and data control functions
C. Scheduling and computer operations
D. Systems development and systems maintenance

Answer: D

NEW QUESTION 651
- (Exam Topic 14)
An organization is outsourcing its payroll system and is requesting to conduct a full audit on the third-party information technology (IT) systems. During the due diligence process, the third party provides previous audit report on its IT system.
Which of the following MUST be considered by the organization in order for the audit reports to be acceptable?

A. The audit assessment has been conducted by an independent assessor.
B. The audit reports have been signed by the third-party senior management.
C. The audit reports have been issued in the last six months.
D. The audit assessment has been conducted by an international audit firm.

Answer: A

NEW QUESTION 654
- (Exam Topic 14)
Which of the following BEST describes how access to a system is granted to federated user accounts?

A. With the federation assurance level
B. Based on defined criteria by the Relying Party (RP)
C. Based on defined criteria by the Identity Provider (IdP)
D. With the identity assurance level

Answer: C

Explanation:
Reference: https://resources.infosecinstitute.com/cissp-domain-5-refresh-identity-and-access-management/

NEW QUESTION 658

- (Exam Topic 14)
Which of the following would an internal technical security audit BEST validate?

A. Whether managerial controls are in place
B. Support for security programs by executive management
C. Appropriate third-party system hardening
D. Implementation of changes to a system

Answer: D

NEW QUESTION 660
- (Exam Topic 14)
Which of the following is the MOST important activity an organization performs to ensure that securiy is part of the overall organization culture?

A. Ensue security policies are issued to all employees
B. Perform formal reviews of security Incidents.
C. Manage a program of security audits.
D. Work with senior management to meet business goals.

Answer: C

NEW QUESTION 662
- (Exam Topic 14)
Which layer of the Open systems Interconnection (OSI) model is being targeted in the event of a Synchronization (SYN) flood attack?

A. Session
B. Transport
C. Network
D. Presentation

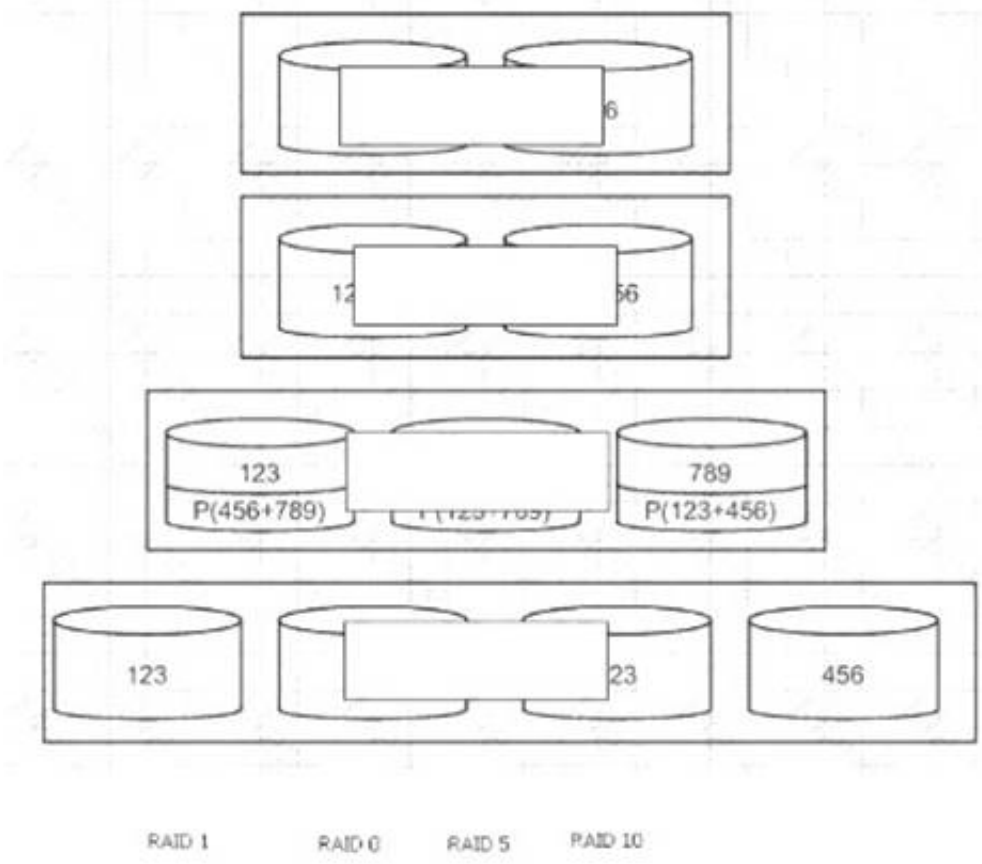
Answer: B

NEW QUESTION 666
- (Exam Topic 14)
What is the document that describes the measures that have been implemented or planned to correct any deficiencies noted during the assessment of the security controls?

A. Business Impact Analysis (BIA)
B. Security Assessment Report (SAR)
C. Plan of Action and Milestones {POA&M)
D. Security Assessment Plan (SAP)

Answer: C

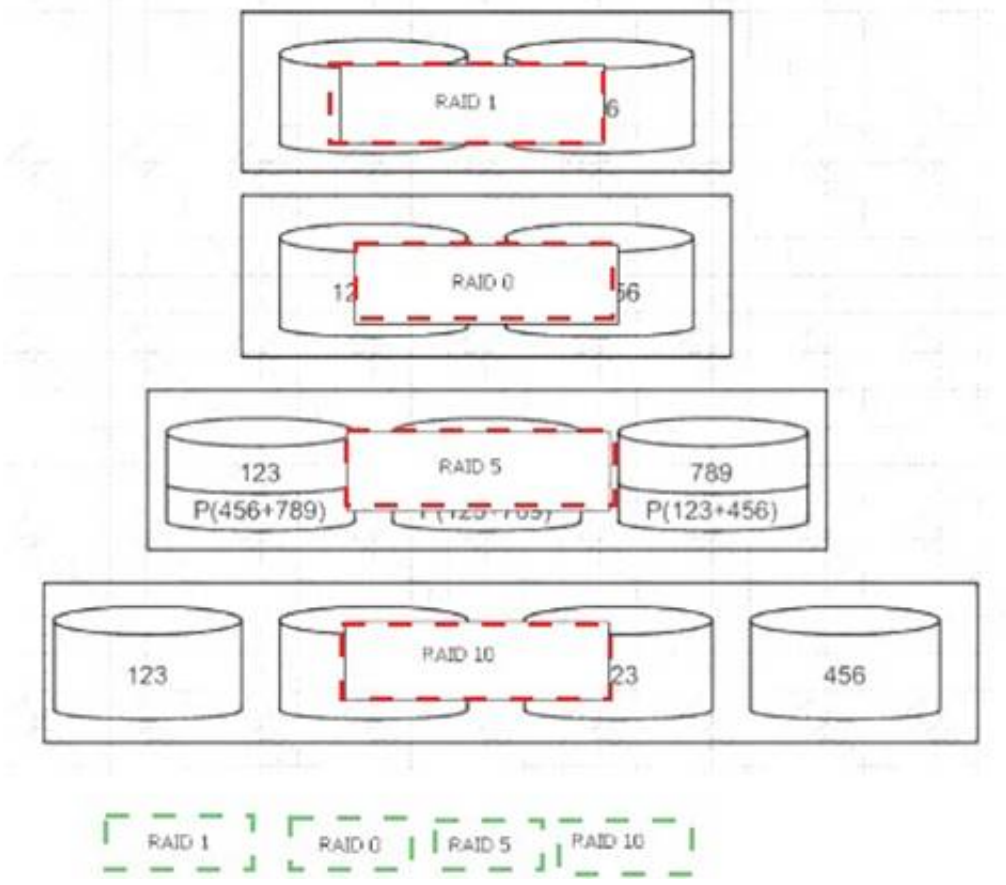
NEW QUESTION 668
- (Exam Topic 14)
Given a file containing ordered number, i.e. “123456789,” match each of the following redundant Array of independent Disks (RAID) levels to the corresponding visual representation visual representation. Note: P() = parity.
Drag each level to the appropriate place on the diagram.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 669
- (Exam Topic 14)
If virus infection is suspected, which of the following is the FIRST step for the user to take?

A. Unplug the computer from the network.
B. Save the opened files and shutdown the computer.
C. Report the incident to service desk.
D. Update the antivirus to the latest version.

Answer: C

NEW QUESTION 673
- (Exam Topic 14)
Which of the following is a PRIMARY challenge when running a penetration test?

A. Determining the cost
B. Establishing a business case
C. Remediating found vulnerabilities
D. Determining the depth of coverage

Answer: D

NEW QUESTION 678
- (Exam Topic 14)
Which of the following models uses unique groups contained in unique conflict classes?

A. Chinese Wall
B. Bell-LaPadula
C. Clark-Wilson
D. Biba

Answer: C

NEW QUESTION 682
- (Exam Topic 14)
In fault-tolerant systems, what do rollback capabilities permit?

A. Restoring the system to a previous functional state
B. Identifying the error that caused the problem
C. Allowing the system to an in a reduced manner
D. Isolating the error that caused the problem

Answer: A

NEW QUESTION 683
- (Exam Topic 14)
Utilizing a public wireless Local Area network (WLAN) to connect to a private network should be done only

in which of the following situations?

A. Extensible Authentication Protocol (EAP) is utilized to authenticate the user.
B. The client machine has a personal firewall and utilizes a Virtual Private Network (VPN) to connect to the network.
C. The client machine has antivirus software and has been seamed to determine if unauthorized ports are open.
D. The wireless Access Point (AP) is placed in the internal private network.

Answer: A

NEW QUESTION 688
- (Exam Topic 14)
Which of the following initiates the systems recovery phase of a disaster recovery plan?

A. Issuing a formal disaster declaration
B. Activating the organization's hot site
C. Evacuating the disaster site
D. Assessing the extent of damage following the disaster

Answer: A

NEW QUESTION 692
- (Exam Topic 14)
Which of the following is the BEST identity-as-a-service (IDaaS) solution for validating users?

A. Lightweight Directory Access Protocol (LDAP)
B. Security Assertion Markup Language (SAM.)
C. Single Sign-on (SSO)
D. Open Authentication (OAuth)

Answer: A

NEW QUESTION 697
- (Exam Topic 14)
Which of the following is MOST critical in a contract in a contract for data disposal on a hard drive with a third party?

A. Authorized destruction times
B. Allowed unallocated disk space
C. Amount of overwrites required
D. Frequency of recovered media

Answer: C

NEW QUESTION 700
- (Exam Topic 14)
What is the BEST way to correlate large volumes of disparate data sources in a Security Operations Center (SOC) environment?

A. Implement Intrusion Detection System (IDS).
B. Implement a Security Information and Event Management (SIEM) system.
C. Hire a team of analysts to consolidate data and generate reports.
D. Outsource the management of the SOC.

Answer: B

NEW QUESTION 703
- (Exam Topic 14)
When deploying en Intrusion Detection System (IDS) on a high-volume network, the need to distribute the load across multiple sensors would create which technical problem?

A. Session continuity
B. Proxy authentication failure
C. Sensor overload
D. Synchronized sensor updates

Answer: A

NEW QUESTION 707
- (Exam Topic 14)
Which of the following practices provides the development of security and identification of threats in designing software?

A. Stakeholder review
B. Requirements review
C. Penetration testing
D. Threat modeling

Answer: D

NEW QUESTION 709
- (Exam Topic 14)
Which of the following authorization standards is built to handle Application programming Interface (API) access for federated Identity management (FIM)?

A. Remote Authentication Dial-In User Service (RADIUS)
B. Terminal Access Controller Access Control System Plus (TACACS+)
C. Open Authentication (OAuth)
D. Security Assertion Markup Language (SAML)

Answer: C

NEW QUESTION 714
- (Exam Topic 14)
When using Security Assertion markup language (SAML), it is assumed that the principal subject

A. accepts persistent cookies from the system.
B. allows Secure Sockets Layer (SSL) for data exchanges.
C. is on a system that supports remote authorization.
D. enrolls with at least one identity provider.

Answer: D

NEW QUESTION 719
- (Exam Topic 14)
Which of the following threats exists with an implementation of digital signatures?

A. Spoofing
B. Substitution
C. Content tampering
D. Eavesdropping

Answer: A

NEW QUESTION 720
- (Exam Topic 14)
Which of the following phases involves researching a target's configuration from public sources when performing a penetration test?

A. Information gathering
B. Social engineering
C. Target selection
D. Traffic enumeration

Answer: A

NEW QUESTION 721
- (Exam Topic 14)
Asymmetric algorithms are used for which of the following when using Secure Sockets Layer/Transport Layer Security (SSL/TLS) for implementing network security?

A. Peer authentication
B. Payload data encryption
C. Session encryption
D. Hashing digest

Answer: C

NEW QUESTION 725
- (Exam Topic 14)
Additional padding may be added to the Encapsulating security protocol (ESP) trailer to provide which of the following?

A. Data origin authentication
B. Partial traffic flow confidentiality
C. protection ao>ainst replay attack
D. Access control

Answer: C

NEW QUESTION 726
- (Exam Topic 14)
Which is the MOST effective countermeasure to prevent electromagnetic emanations on unshielded data cable?

A. Move cable are away from exterior facing windows
B. Encase exposed cable runs in metal conduit
C. Enable Power over Ethernet (PoE) to increase voltage
D. Bundle exposed cables together to disguise their signals

Answer: B

NEW QUESTION 731
- (Exam Topic 14)
What is the best way for mutual authentication of devices belonging to the same organization?

A. Token
B. Certificates
C. User ID and passwords
D. Biometric

Answer: A

Explanation:
Reference: https://books.google.com.pk/books?id=bb0re6h8JPAC&pg=PA637&lpg=PA637&dq=CISSP+for+mutual+auth

NEW QUESTION 732
- (Exam Topic 14)
Which of the following will help identify the source internet protocol (IP) address of malware being exected on a computer?

A. List of open network connections
B. Display Transmission Control Protocol/Internet Protocol (TCP/IP) network configuration information.
C. List of running processes
D. Display the Address Resolution Protocol (APP) table.

Answer: A

NEW QUESTION 736
- (Exam Topic 14)
When designing on Occupent Emergency plan (OEP) for United states (US) Federal government facilities, what factor must be considered?

A. location of emergency exits in building
B. Average age of the agency employees
C. Geographical location and structural design of building
D. Federal agency for which plan is being drafted

Answer: A

NEW QUESTION 741
- (Exam Topic 14)
After a breach incident, investigators narrowed the attack to a specific network administrator's credentials. However, there was no evidence to determine how the hackers obtained the credentials. Much of the following actions could have BEST avoided the above breach per the investigation described above?

A. A periodic review of network access loos
B. A periodic review of active users en the network
C. A periodic review of all privileged accounts actions
D. A periodic review of password strength of all users across the organization

Answer: C

NEW QUESTION 742
- (Exam Topic 14)
Organization A is adding a large collection of confidential data records that it received when it acquired Organization B to its data store. Many of the users and staff from Organization B are no longer available. Which of the following MUST Organization A 0do to property classify and secure the acquired data?

A. Assign data owners from Organization A to the acquired data.
B. Create placeholder accounts that represent former users from Organization B.
C. Archive audit records that refer to users from Organization A.
D. Change the data classification for data acquired from Organization B.

Answer: A

NEW QUESTION 744
- (Exam Topic 14)
When can a security program be considered effective?

A. Audits are rec/party performed and reviewed.
B. Vulnerabilities are proactively identified.
C. Risk is lowered to an acceptable level.
D. Badges are regulatory performed and validated

Answer: C

NEW QUESTION 747
- (Exam Topic 14)

An audit of an application reveals that the current configuration does not match the configuration of the originally implemented application. Which of the following is the FIRST action to be taken?

A. Recommend an update to the change control process.
B. Verify the approval of the configuration change.
C. Roll back the application to the original configuration.
D. Document the changes to the configuration.

Answer: B

NEW QUESTION 751
- (Exam Topic 14)
Directive controls are a form of change management policy and procedures. Which of the following subsections are recommended as part of the change management process?

A. Build and test
B. Implement security controls
C. Categorize Information System (IS)
D. Select security controls

Answer: A

Explanation:
Reference: https://books.google.com.pk/books?id=9gCn86CmsNQC&pg=PA570&lpg=PA570&dq=CISSP+Directive+cont

NEW QUESTION 755
- (Exam Topic 14)
Information security metrics provide the GREATEST value tp management when based upon the security manager's knowledge of which of the following?

A. Likelihood of a security breach
B. Value of information assets
C. Cost of implementing effective controls
D. Benefits related to quantitative analysts

Answer: B

NEW QUESTION 760
- (Exam Topic 14)
Which of the following is the PRIMARY security consideration for how an organization should handle Information Technology (IT) assets?

A. The monetary value of the asset
B. The controls implemented on the asset
C. The physical form factor of the asset
D. The classification of the data on the asset

Answer: D

NEW QUESTION 765
- (Exam Topic 14)
Which of the following MUST be considered when developing business rules for a data loss prevention (DLP) solution?

A. Data availability
B. Data sensitivity
C. Data ownership
D. Data integrity

Answer: B

NEW QUESTION 767
- (Exam Topic 14)
Which of the following is the BEST way to protect against structured Query language (SQL) injection?

A. Enforce boundary checking.
B. Restrict use of SELECT command.
C. Restrict Hyper Text Markup Language (HTNL) source code access.
D. Use stored procedures.

Answer: D

NEW QUESTION 768
- (Exam Topic 14)
Which of the following is true of Service Organization Control (SOC) reports?

A. SOC 1 Type 2 reports assess the security, confidentiality, integrity, and availability of an organization's controls
B. SOC 2 Type 2 reports include information of interest to the service organization's management
C. SOC 2 Type 2 reports assess internal controls for financial reporting
D. SOC 3 Type 2 reports assess internal controls for financial reporting

Answer: B

Explanation:
Reference:
http://ssae16.businesscatalyst.com/SSAE16_reports.html

NEW QUESTION 769
- (Exam Topic 14)
Which of the following MUST an organization do to effectively communicate is security strategy to all affected parties?

A. Involve representatives from each key organizational area.
B. Provide regular updates to the board of directors.
C. Notify staff of changes to the strategy.
D. Remove potential communication barriers.

Answer: C

NEW QUESTION 772
- (Exam Topic 14)
Why is planning the MOST critical phase of a Role Based Access Control (RBAC) implementation?

A. The criteria for measuring risk is defined.
B. User populations to be assigned to each role is determined.
C. Role mining to define common access patterns is performed.
D. The foundational criteria are defined.

Answer: B

NEW QUESTION 775
- (Exam Topic 14)
Which of the following is MOST important when determining appropriate countermeasures for an identified risk?

A. Interaction with existing controls
B. Cost
C. Organizational risk tolerance
D. Patch availability

Answer: C

NEW QUESTION 778
- (Exam Topic 14)
Which of the following is the MOST significant benefit to implementing a third-party federated identity architecture?

A. Attribute assertions as agencies can request a larger set of attributes to fulfill service delivery
B. Data decrease related to storing personal information
C. Reduction in operational costs to the agency
D. Enable business objectives so departments can focus on mission rather than the business of identitymanagement

Answer: C

NEW QUESTION 783
- (Exam Topic 14)
A project requires the use of en authentication mechanism where playback must be protected and plaintext secret must be used. Which of the following should be used?

A. Password Authentication Protocol (PAP)
B. Extensible Authentication Protocol (EAP)
C. Secure Hash Algorithm (SHA)
D. Challenge Handshake Authentication Protocol (CHAP)

Answer: A

NEW QUESTION 784
- (Exam Topic 14)
Which of the following objects should be removed FIRST prior to uploading code to public code repositories?

A. Security credentials
B. Known vulnerabilities
C. Inefficient algorithms
D. Coding mistakes

Answer: A

NEW QUESTION 786
- (Exam Topic 14)

How does identity as a service (IDaaS) provide an easy mechanism for integrating identity service into individual applications with minimal development effort?

A. By allowing the identification logic and storage of an identity's attributes to be maintained externally
B. By integrating internal provisioning procedures with external authentication processes
C. By allowing for internal provisioning of user accounts
D. By keeping all user information in easily accessible cloud repositories

Answer: D

NEW QUESTION 789
- (Exam Topic 14)
Why might a network administrator choose distributed virtual switches instead of stand-alone switches for network segmentation?

A. To standardize on a single vendor
B. To ensure isolation of management traffic
C. To maximize data plane efficiency
D. To reduce the risk of configuration errors

Answer: C

NEW QUESTION 794
- (Exam Topic 14)
A security consultant has been hired by a company to establish its vulnerability management program. The consultant is now in the deployment phase. Which of the following tasks is part of this process?

A. Select and procure supporting technologies.
B. Determine a budget and cost analysis for the program.
C. Measure effectiveness of the program’s stated goals.
D. Educate and train key stakeholders.

Answer: C

NEW QUESTION 799
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