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)
An organization is planning a penetration test that simulates the malicious actions of a former network administrator. What kind of penetration test is needed?

A. Functional test
B. Unit test
C. Grey box
D. White box

Answer: C

NEW QUESTION 3
- (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 4
- (Exam Topic 15)
In which process MUST security be considered during the acquisition of new software?

A. Contract negotiation
B. Request for proposal (RFP)
C. Implementation
D. Vendor selection

Answer: B

NEW QUESTION 5
- (Exam Topic 15)
Wireless users are reporting intermittent Internet connectivity. Connectivity is restored when the users disconnect and reconnect, utilizing the web authentication process each time.
The network administrator can see the devices connected to the APs at all times. Which of the following steps will MOST likely determine the cause of the issue?

A. Verify the session time-out configuration on the captive portal settings
B. Check for encryption protocol mismatch on the client's wireless settings.
C. Confirm that a valid passphrase is being used during the web authentication.
D. Investigate for a client's disassociation caused by an evil twin AP

Answer: A

NEW QUESTION 6
- (Exam Topic 15)
Two computers, each with a single connection on the same physical 10 gigabit Ethernet network segment, need to communicate with each other. The first machine has a single Internet Protocol (IP) Classless
Inter-Domain Routing (CIDR) address of 192.168.1.3/30 and the second machine has an IP/CIDR address 192.168.1.6/30. Which of the following is correct?

A. Since each computer is on a different layer 3 network, traffic between the computers must be processed by a network bridge in order to communicate.
B. Since each computer is on the same layer 3 network, traffic between the computers may be processed by a network bridge in order to communicate.
C. Since each computer is on the same layer 3 network, traffic between the computers may be processed by a network router in order to communicate.
D. Since each computer is on a different layer 3 network, traffic between the computers must be processed by a network router in order to communicate.

Answer: B

NEW QUESTION 7
- (Exam Topic 15)
A large human resources organization wants to integrate their identity management with a trusted partner organization. The human resources organization wants to maintain the creation and management of the identities and may want to share with other partners in the future. Which of the following options BEST serves

their needs?

A. Federated identity
B. Cloud Active Directory (AD)
C. Security Assertion Markup Language (SAML)
D. Single sign-on (SSO)

Answer: A

NEW QUESTION 8
- (Exam Topic 15)
Which security evaluation model assesses a product's Security Assurance Level (SAL) in comparison to similar solutions?

A. Payment Card Industry Data Security Standard (PCI-DSS)
B. International Organization for Standardization (ISO) 27001
C. Common criteria (CC)
D. Control Objectives for Information and Related Technology (COBIT)

Answer: C

NEW QUESTION 9
- (Exam Topic 15)
A breach investigation …… a website was exploited through an open soured …..Is The FIRB Stan In the Process that could have prevented this breach?

A. Application whitelisting
B. Web application firewall (WAF)
C. Vulnerability remediation
D. Software inventory

Answer: B

NEW QUESTION 10
- (Exam Topic 15)
A cybersecurity engineer has been tasked to research and implement an ultra-secure communications channel to protect the organization's most valuable intellectual property (IP). The primary directive in this initiative is to ensure there Is no possible way the communications can be intercepted without detection. Which of the following Is the only way to ensure this ‘outcome?

A. Diffie-Hellman key exchange
B. Symmetric key cryptography
C. [Public key infrastructure (PKI)
D. Quantum Key Distribution

Answer: C

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 15
- (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 19
- (Exam Topic 15)
During a penetration test, what are the three PRIMARY objectives of the planning phase?

A. Determine testing goals, identify rules of engagement, and conduct an initial discovery scan.
B. Finalize management approval, determine testing goals, and gather port and service information.
C. Identify rules of engagement, finalize management approval, and determine testing goals.
D. Identify rules of engagement, document management approval, and collect system and application information.

Answer: D

NEW QUESTION 23
- (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 25
- (Exam Topic 15)
In the "Do" phase of the Plan-Do-Check-Act model, which of the following is performed?

A. Monitor and review performance against business continuity policy and objectives, report the results to management for review, and determine and authorize actions for remediation and improvement.
B. Maintain and improve the Business Continuity Management (BCM) system by taking corrective action, based on the results of management review.
C. Ensure the business continuity policy, controls, processes, and procedures have been implemented.
D. Ensure that business continuity policy, objectives, targets, controls, processes and procedures relevant to improving business continuity have been established.

Answer: D

NEW QUESTION 29
- (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 30
- (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 35
- (Exam Topic 15)
Which of the following is the strongest physical access control?

A. Biometrics and badge reader
B. Biometrics, a password, and personal identification number (PIN)
C. Individual password for each user
D. Biometrics, a password, and badge reader

Answer: D

NEW QUESTION 39
- (Exam Topic 15)
What is the PRIMARY consideration when testing industrial control systems (ICS) for security weaknesses?

A. ICS often do not have availability requirements.
B. ICS are often isolated and difficult to access.
C. ICS often run on UNIX operating systems.
D. ICS are often sensitive to unexpected traffic.

Answer: B

NEW QUESTION 40
- (Exam Topic 15)
In order to support the least privilege security principle when a resource is transferring within the organization from a production support system administration role to a developer role, what changes should be made to the resource’s access to the production operating system (OS) directory structure?

A. From Read Only privileges to No Access Privileges
B. From Author privileges to Administrator privileges

C. From Administrator privileges to No Access privileges
D. From No Access Privileges to Author privileges

Answer: C

NEW QUESTION 45
- (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 50
- (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 54
- (Exam Topic 15)
An attacker is able to remain indefinitely logged into a exploiting to remain on the web service?

A. Alert management
B. Password management
C. Session management
D. Identity management (IM)

Answer: C

NEW QUESTION 57
- (Exam Topic 15)
What is the FIRST step for an organization to take before allowing personnel to access social media from a corporate device or user account?

A. Publish a social media guidelines document.
B. Publish an acceptable usage policy.
C. Document a procedure for accessing social media sites.
D. Deliver security awareness training.

Answer: A

NEW QUESTION 59
- (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 60
- (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 63
- (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 67
- (Exam Topic 15)
Information security practitioners are in the midst of implementing a new firewall. Which of the following failure methods would BEST prioritize security in the event of failure?

A. Fail-Closed
B. Fail-Open
C. Fail-Safe
D. Failover

Answer: A

NEW QUESTION 69
- (Exam Topic 15)
An organization recently upgraded to a Voice over Internet Protocol (VoIP) phone system. Management is concerned with unauthorized phone usage. Security consultant is responsible for putting together a plan to secure these phones. Administrators have assigned unique personal identification number codes for each person in the organization. What is the BEST solution?

A. Use phone locking software to enforce usage and PIN policies.
B. Inform the user to change the PIN regularl
C. Implement call detail records (CDR) reports to track usage.
D. Have the administrator enforce a policy to change the PIN regularl
E. Implement call detail records (CDR) reports to track usage.
F. Have the administrator change the PIN regularl
G. Implement call detail records (CDR) reports to track usage.

Answer: C

NEW QUESTION 71
- (Exam Topic 15)
Which of the following is the MOST effective method of detecting vulnerabilities in web-based applications early in the secure Software Development Life Cycle (SDLC)?

A. Web application vulnerability scanning
B. Application fuzzing
C. Code review
D. Penetration testing

Answer: C

NEW QUESTION 74
- (Exam Topic 15)
The Rivest-Shamir-Adleman (RSA) algorithm is BEST suited for which of the following operations?

A. Bulk data encryption and decryption
B. One-way secure hashing for user and message authentication
C. Secure key exchange for symmetric cryptography
D. Creating digital checksums for message integrity

Answer: C

NEW QUESTION 79
- (Exam Topic 15)
Which of the following uses the destination IP address to forward packets?

A. A bridge
B. A Layer 2 switch
C. A router
D. A repeater

Answer: C

NEW QUESTION 80
- (Exam Topic 15)
What level of Redundant Array of Independent Disks (RAID) is configured PRIMARILY for high-performance data reads and writes?

A. RAID-0
B. RAID-1
C. RAID-5
D. RAID-6

Answer: A

NEW QUESTION 84
- (Exam Topic 15)
Which audit type is MOST appropriate for evaluating the effectiveness of a security program?

A. Threat
B. Assessment
C. Analysis
D. Validation

Answer: B

NEW QUESTION 87
- (Exam Topic 15)
Which of the following types of firewall only examines the “handshaking” between packets before forwarding traffic?

A. Proxy firewalls
B. Host-based firewalls
C. Circuit-level firewalls
D. Network Address Translation (NAT) firewalls

Answer: C

NEW QUESTION 88
- (Exam Topic 15)
A digitally-signed e-mail was delivered over a wireless network protected with Wired Equivalent Privacy (WEP) protocol. Which of the following principles is at risk?

A. Availability
B. Non-Repudiation
C. Confidentiality
D. Integrity

Answer: B

NEW QUESTION 91
- (Exam Topic 15)
Which of the following is the BEST way to mitigate circumvention of access controls?

A. Multi-layer access controls working in isolation
B. Multi-vendor approach to technology implementation
C. Multi-layer firewall architecture with Internet Protocol (IP) filtering enabled
D. Multi-layer access controls with diversification of technologies

Answer: D

NEW QUESTION 92
- (Exam Topic 15)
Which of the following regulations dictates how data breaches are handled?

A. Sarbanes-Oxley (SOX)
B. National Institute of Standards and Technology (NIST)
C. Payment Card Industry Data Security Standard (PCI-DSS)
D. General Data Protection Regulation (GDPR)

Answer: D

NEW QUESTION 96
- (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 98
- (Exam Topic 15)
Which of the following actions should be taken by a security professional when a mission critical computer network attack is suspected?

A. Isolate the network, log an independent report, fix the problem, and redeploy the computer.
B. Isolate the network, install patches, and report the occurrence.
C. Prioritize, report, and investigate the occurrence.

D. Turn the rooter off, perform forensic analysis, apply the appropriate fin, and log incidents.

Answer: C

NEW QUESTION 99
- (Exam Topic 15)
Which of the following is a term used to describe maintaining ongoing awareness of information security, vulnerabilities, and threats to support organizational risk management decisions?

A. Information Security Management System (ISMS)
B. Information Sharing & Analysis Centers (ISAC)
C. Risk Management Framework (RMF)
D. Information Security Continuous Monitoring (ISCM)

Answer: D

NEW QUESTION 101
- (Exam Topic 15)
What is the BEST control to be implemented at a login page in a web application to mitigate the ability to enumerate users?

A. Implement a generic response for a failed login attempt.
B. Implement a strong password during account registration.
C. Implement numbers and special characters in the user name.
D. Implement two-factor authentication (2FA) to login process.

Answer: A

NEW QUESTION 105
- (Exam Topic 15)
Which reporting type requires a service organization to describe its system and define its control objectives and controls that are relevant to users internal control over financial reporting?

A. Statement on Auditing Standards (SAS)70
B. Service Organization Control 1 (SOC1)
C. Service Organization Control 2 (SOC2)
D. Service Organization Control 3 (SOC3)

Answer: B

NEW QUESTION 106
- (Exam Topic 15)
The disaster recovery (DR) process should always include

A. plan maintenance.
B. periodic vendor review.
C. financial data analysis.
D. periodic inventory review.

Answer: A

NEW QUESTION 110
- (Exam Topic 15)
A financial services organization has employed a security consultant to review processes used by employees across various teams. The consultant interviewed a member of the application development practice and found gaps in their threat model. Which of the following correctly represents a trigger for when a threat model should be revised?

A. A new data repository is added.
B. is After operating system (OS) patches are applied
C. After a modification to the firewall rule policy
D. A new developer is hired into the team.

Answer: D

NEW QUESTION 113
- (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 115

- (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 119
- (Exam Topic 15)
Which of the following services can be deployed via a cloud service or on-premises to integrate with Identity as a Service (IDaaS) as the authoritative source of user identities?

A. Directory
B. User database
C. Multi-factor authentication (MFA)
D. Single sign-on (SSO)

Answer: A

NEW QUESTION 122
- (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 125
- (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 128
- (Exam Topic 15)
Using the cipher text and resultant clear text message to derive the non-alphabetic cipher key is an example of which method of cryptanalytic attack?

A. Frequency analysis
B. Ciphertext-only attack
C. Probable-plaintext attack
D. Known-plaintext attack

Answer: D

NEW QUESTION 129
- (Exam Topic 15)
A technician wants to install a WAP in the center of a room that provides service in a radius surrounding a radio. Which of the following antenna types should the AP utilize?

A. Omni
B. Directional
C. Yagi
D. Parabolic

Answer: A

NEW QUESTION 130
- (Exam Topic 15)
Which of the following is included in change management?

A. Business continuity testing
B. User Acceptance Testing (UAT) before implementation
C. Technical review by business owner
D. Cost-benefit analysis (CBA) after implementation

Answer: A

NEW QUESTION 133
- (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 138
- (Exam Topic 15)
Which of the following are mandatory canons for the (ISC)* Code of Ethics?

A. Develop comprehensive security strategies for the organization.
B. Perform is, honestly, fairly, responsibly, and lawfully for the organization.
C. Create secure data protection policies to principals.
D. Provide diligent and competent service to principals.

Answer: D

NEW QUESTION 141
- (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 146
- (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 150
- (Exam Topic 15)
A security professional was tasked with rebuilding a company's wireless infrastructure. Which of the following are the MOST important factors to consider while making a decision on which wireless spectrum to deploy?

A. Hybrid frequency band, service set identifier (SSID), and interpolation
B. Performance, geographic location, and radio signal interference
C. Facility size, intermodulation, and direct satellite service
D. Existing client devices, manufacturer reputation, and electrical interference

Answer: D

NEW QUESTION 152
- (Exam Topic 15)
An application is used for funds transfer between an organization and a third-party. During a security audit, an issue with the business continuity/disaster recovery policy and procedures for this application. Which of the following reports should the audit file with the organization?

A. Service Organization Control (SOC) 1
B. Statement on Auditing Standards (SAS) 70
C. Service Organization Control (SOC) 2
D. Statement on Auditing Standards (SAS) 70-1

Answer: C

NEW QUESTION 156
- (Exam Topic 15)
Which of the following goals represents a modern shift in risk management according to National Institute of Standards and Technology (NIST)?

A. Focus on operating environments that are changing, evolving, and full of emerging threats.
B. Secure information technology (IT) systems that store, process, or transmit organizational information.
C. Enable management to make well-informed risk-based decisions justifying security expenditure.
D. Provide an improved mission accomplishment approach.

Answer: C

NEW QUESTION 160
- (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 165
- (Exam Topic 15)
When network management is outsourced to third parties, which of the following is the MOST effective method of protecting critical data assets?

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

Answer: C

NEW QUESTION 168
- (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 172
- (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 175
- (Exam Topic 15)
Which of the following is a Key Performance Indicator (KPI) for a security training and awareness program?

A. The number of security audits performed
B. The number of attendees at security training events
C. The number of security training materials created
D. The number of security controls implemented

Answer: B

NEW QUESTION 180

- (Exam Topic 15)

A. Obtain information security management approval.
B. Maintain the integrity of the application.
C. Obtain feedback before implementation.
D. Identify vulnerabilities.

Answer: D

NEW QUESTION 183
- (Exam Topic 15)
Which of the following is a common risk with fiber optical communications, and what is the associated mitigation measure?

A. Data emanation, deploying Category (CAT) 6 and higher cable wherever feasible
B. Light leakage, deploying shielded cable wherever feasible
C. Cable damage, deploying ring architecture wherever feasible
D. Electronic eavesdropping, deploying end-to-end encryption wherever feasible

Answer: B

NEW QUESTION 186
- (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 188
- (Exam Topic 15)
An organization has requested storage area network (SAN) disks for a new project. What Redundant Array of Independent Disks (RAID) level provides the BEST redundancy and fault tolerance?

A. RAID level 1
B. RAID level 3
C. RAID level 4
D. RAID level 5

Answer: D

NEW QUESTION 189
- (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 192
- (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 196
- (Exam Topic 15)
In software development, which of the following entities normally signs the code to protect the code integrity?

A. The organization developing the code
B. The quality control group
C. The data owner
D. The developer

Answer: B

NEW QUESTION 201
- (Exam Topic 15)
Which of the following is the MAIN difference between a network-based firewall and a host-based firewall?

A. A network-based firewall is stateful, while a host-based firewall is stateless.
B. A network-based firewall controls traffic passing through the device, while a host-based firewall controls traffic destined for the device.
C. A network-based firewall verifies network traffic, while a host-based firewall verifies processes and applications.
D. A network-based firewall blocks network intrusions, while a host-based firewall blocks malware.

Answer: B

NEW QUESTION 205
- (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 207
- (Exam Topic 15)
Which of the following poses the GREATEST privacy risk to personally identifiable information (PII) when disposing of an office printer or copier?

A. The device could contain a document with PII on the platen glass
B. Organizational network configuration information could still be present within the device
C. A hard disk drive (HDD) in the device could contain PII
D. The device transfer roller could contain imprints of PII

Answer: B

NEW QUESTION 209
- (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 211
- (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 216
- (Exam Topic 15)
What is the MOST important goal of conducting security assessments?

A. To prepare the organization for an external audit, particularly by a regulatory entity
B. To discover unmitigated security vulnerabilities, and propose paths for mitigating them
C. To align the security program with organizational risk appetite
D. To demonstrate proper function of security controls and processes to senior management

Answer: B

NEW QUESTION 219
- (Exam Topic 15)
Which of the following is the MOST significant key management problem due to the number of keys created?

A. Keys are more difficult to provision and
B. Storage of the keys require increased security
C. Exponential growth when using asymmetric keys

D. Exponential growth when using symmetric keys

Answer: B

NEW QUESTION 222
- (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 223
- (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 224
- (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 226
- (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 231
- (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 235
- (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 240
- (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 243
- (Exam Topic 15)
Which of the following addresses requirements of security assessments during software acquisition?

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

Answer: A

NEW QUESTION 248
- (Exam Topic 15)
A Chief Information Security Officer (CISO) of a firm which decided to migrate to cloud has been tasked with ensuring an optimal level of security. Which of the following would be the FIRST consideration?

A. Define the cloud migration roadmap and set out which applications and data repositories should be moved into the cloud.
B. Ensure that the contract between the cloud vendor and the firm clearly defines responsibilities for operating security controls.
C. Analyze the firm's applications and data repositories to determine the relevant control requirements.
D. Request a security risk assessment of the cloud vendor be completed by an independent third-party.

Answer: A

NEW QUESTION 249
- (Exam Topic 15)
In a large company, a system administrator needs to assign users access to files using Role Based Access Control (RBAC). Which option Is an example of RBAC?

A. Mowing users access to files based on their group membership
B. Allowing users access to files based on username
C. Allowing users access to files based on the users location at time of access
D. Allowing users access to files based on the file type

Answer: A

NEW QUESTION 253
- (Exam Topic 15)
An attack utilizing social engineering and a malicious Uniform Resource Locator (URL) link to take advantage of a victim's existing browser session with a web application is an example of which of the following types of attack?

A. Cross-Site Scripting (XSS)
B. Cross-site request forgery (CSRF)
C. Injection
D. Click jacking

Answer: B

NEW QUESTION 257
- (Exam Topic 15)
Which of the following would an information security professional use to recognize changes to content, particularly unauthorized changes?

A. File Integrity Checker
B. Security information and event management (SIEM) system
C. Audit Logs
D. Intrusion detection system (IDS)

Answer: A

NEW QUESTION 258
- (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 261
- (Exam Topic 15)
An organization has implemented a protection strategy to secure the network from unauthorized external access. The new Chief Information Security Officer (CISO) wants to increase security by better protecting the network from unauthorized internal access. Which Network Access Control (NAC) capability BEST meets this objective?

A. Application firewall
B. Port security
C. Strong passwords
D. Two-factor authentication (2FA)

Answer: D

NEW QUESTION 264
- (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 266
- (Exam Topic 15)
What are the essential elements of a Risk Assessment Report (RAR)?

A. Table of contents, testing criteria, and index
B. Table of contents, chapters, and executive summary
C. Executive summary, graph of risks, and process
D. Executive summary, body of the report, and appendices

Answer: D

NEW QUESTION 267
- (Exam Topic 15)
At the destination host, which of the following OSI model layers will discard a segment with a bad checksum in the UDP header?

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

Answer: C

NEW QUESTION 270
- (Exam Topic 15)
What documentation is produced FIRST when performing an effective physical loss control process?

A. Deterrent controls list
B. Security standards list
C. inventory list
D. Asset valuation list

Answer: C

NEW QUESTION 273
- (Exam Topic 15)
Which of the following would be the BEST mitigation practice for man-in-the-middle (MITM) Voice over Internet Protocol (VoIP) attacks?

A. Use Media Gateway Control Protocol (MGCP)
B. Use Transport Layer Security (TLS) protocol
C. Use File Transfer Protocol (FTP)
D. Use Secure Shell (SSH) protocol

Answer: B

NEW QUESTION 276
- (Exam Topic 15)
A company hired an external vendor to perform a penetration test ofa new payroll system. The company’s internal test team had already performed an in-depth application and security test of the system and determined that it met security requirements. However, the external vendor uncovered significant security

weaknesses where sensitive personal data was being sent unencrypted to the tax processing systems. What is the MOST likely cause of the security issues?

A. Failure to perform interface testing
B. Failure to perform negative testing
C. Inadequate performance testing
D. Inadequate application level testing

Answer: A

NEW QUESTION 280
- (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 285
- (Exam Topic 15)
Which of the following vulnerability assessment activities BEST exemplifies the Examine method of assessment?

A. Ensuring that system audit logs capture all relevant data fields required by the security controls baseline
B. Performing Port Scans of selected network hosts to enumerate active services
C. Asking the Information System Security Officer (ISSO) to describe the organization's patch management processes
D. Logging into a web server using the default administrator account and a default password

Answer: D

NEW QUESTION 289
- (Exam Topic 15)
Within a large organization, what business unit is BEST positioned to initiate provisioning and deprovisioning of user accounts?

A. Training department
B. Internal audit
C. Human resources
D. Information technology (IT)

Answer: C

NEW QUESTION 292
- (Exam Topic 15)
The Chief Information Security Officer (CISO) is concerned about business application availability. The organization was recently subject to a ransomware attack that resulted in the unavailability of applications and services for 10 working days that required paper-based running of all main business processes. There are now aggressive plans to enhance the Recovery Time Objective (RTO) and cater for more frequent data captures. Which of the following solutions should be implemented to fully comply to the new business requirements?

A. Virtualization
B. Antivirus
C. Process isolation
D. Host-based intrusion prevention system (HIPS)

Answer: A

NEW QUESTION 293
- (Exam Topic 15)
Which of the following BEST describes the purpose of the reference monitor when defining access control to enforce the security model?

A. Quality design principles to ensure quality by design
B. Policies to validate organization rules
C. Cyber hygiene to ensure organizations can keep systems healthy
D. Strong operational security to keep unit members safe

Answer: B

NEW QUESTION 298
- (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 303
- (Exam Topic 15)
The security team plans on using automated account reconciliation in the corporate user access review process. Which of the following must be implemented for the BEST results with fewest errors when running the audit?

A. Removal of service accounts from review
B. Segregation of Duties (SoD)
C. Clear provisioning policies
D. Frequent audits

Answer: C

NEW QUESTION 308
- (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 312
- (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 313
- (Exam Topic 15)
Which of the following BEST describes the purpose of software forensics?

A. To perform cyclic redundancy check (CRC) verification and detect changed applications
B. To review program code to determine the existence of backdoors
C. To analyze possible malicious intent of malware
D. To determine the author and behavior of the code

Answer: D

NEW QUESTION 317
- (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 318
- (Exam Topic 15)
An organization's retail website provides its only source of revenue, so the disaster recovery plan (DRP) must document an estimated time for each step in the plan.
Which of the following steps in the DRP will list the GREATEST duration of time for the service to be fully operational?

A. Update the Network Address Translation (NAT) table.
B. Update Domain Name System (DNS) server addresses with domain registrar.
C. Update the Border Gateway Protocol (BGP) autonomous system number.
D. Update the web server network adapter configuration.

Answer: B

NEW QUESTION 323
- (Exam Topic 15)
What Hypertext Transfer Protocol (HTTP) response header can be used to disable the execution of inline JavaScript and the execution of eval()-type functions?

A. Strict-Transport-Security
B. X-XSS-Protection

C. X-Frame-Options
D. Content-Security-Policy

Answer: D

NEW QUESTION 324
- (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 326
- (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 327
- (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 328
- (Exam Topic 15)
Which of the following BEST describes why software assurance is critical in helping prevent an increase in business and mission risk for an organization?

A. Software that does not perform as intended may be exploitable which makes it vulnerable to attack.
B. Request for proposals (RFP) avoid purchasing software that does not meet business needs.
C. Contracting processes eliminate liability for security vulnerabilities for the purchaser.
D. Decommissioning of old software reduces long-term costs related to technical debt.

Answer: B

NEW QUESTION 332
- (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 335
- (Exam Topic 15)
Which of the following is the MOST appropriate technique for destroying magnetic platter style hard disk drives (HDD) containing data with a "HIGH" security categorization?

A. Drill through the device and platters.
B. Mechanically shred the entire HDD.
C. Remove the control electronics.
D. HP iProcess the HDD through a degaussing device.

Answer: D

NEW QUESTION 338

- (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 343
- (Exam Topic 15)
The security operations center (SOC) has received credible intelligence that a threat actor is planning to attack with multiple variants of a destructive virus. After obtaining a sample set of this virus' variants and reverse engineering them to understand how they work, a commonality was found. All variants are coded to write to a specific memory location. It is determined this virus is of no threat to the organization because they had the focresight to enable what feature on all endpoints?

A. Process isolation
B. Trusted Platform Module (TPM)
C. Address Space Layout Randomization (ASLR)
D. Virtualization

Answer: C

NEW QUESTION 346
- (Exam Topic 15)
What action should be taken by a business line that is unwilling to accept the residual risk in a system after implementing compensating controls?

A. Notify the audit committee of the situation.
B. Purchase insurance to cover the residual risk.
C. Implement operational safeguards.
D. Find another business line willing to accept the residual risk.

Answer: B

NEW QUESTION 347
- (Exam Topic 15)
Which of the following types of devices can provide content filtering and threat protection, and manage multiple IPSec site-to-site connections?

A. Layer 3 switch
B. VPN headend
C. Next-generation firewall
D. Proxy server
E. Intrusion prevention

Answer: C

NEW QUESTION 349
- (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 354
- (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 359
- (Exam Topic 15)
Which of the following is the MOST effective measure for dealing with rootkit attacks?

A. Turing off unauthorized services and rebooting the system
B. Finding and replacing the altered binaries with legitimate ones
C. Restoring the system from the last backup
D. Reinstalling the system from trusted sources

Answer: D

NEW QUESTION 361
- (Exam Topic 15)
A software development company found odd behavior in some recently developed software, creating a need for a more thorough code review. What is the MOST effective argument for a more thorough code review?

A. It will increase flexibility of the applications developed.
B. It will increase accountability with the customers.
C. It will impede the development process.
D. It will reduce the potential for vulnerabilities.

Answer: D

NEW QUESTION 365
- (Exam Topic 15)
Which of the following is the PRIMARY type of cryptography required to support non-repudiation of a digitally signed document?

A. Message digest (MD)
B. Asymmetric
C. Symmetric
D. Hashing

Answer: A

NEW QUESTION 370
- (Exam Topic 15)
Which of the following statements BEST describes least privilege principle in a cloud environment?

A. Network segments remain private if unneeded to access the internet.
B. Internet traffic is inspected for all incoming and outgoing packets.
C. A single cloud administrator is configured to access core functions.
D. Routing configurations are regularly updated with the latest routes.

Answer: B

NEW QUESTION 372
- (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 375
- (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 377
- (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 382
- (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 383
- (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 387
- (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 391
- (Exam Topic 15)
Which of the following BEST ensures the integrity of transactions to intended recipients?

A. Public key infrastructure (PKI)
B. Blockchain technology
C. Pre-shared key (PSK)
D. Web of trust

Answer: A

NEW QUESTION 392
- (Exam Topic 15)
What are the first two components of logical access control?

A. Confidentiality and authentication
B. Authentication and identification
C. Identification and confidentiality
D. Authentication and availability

Answer: B

NEW QUESTION 396
- (Exam Topic 15)
What is the PRIMARY objective of business continuity planning?

A. Establishing a cost estimate for business continuity recovery operations
B. Restoring computer systems to normal operations as soon as possible
C. Strengthening the perceived importance of business continuity planning among senior management
D. Ensuring timely recovery of mission-critical business processes

Answer: B

NEW QUESTION 400
- (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 405
- (Exam Topic 15)
What is the BEST method to use for assessing the security impact of acquired software?

A. Common vulnerability review
B. Software security compliance validation
C. Threat modeling
D. Vendor assessment

Answer: B

NEW QUESTION 407
- (Exam Topic 15)
Which of the following BEST describes the standard used to exchange authorization information between different identity management systems?

A. Security Assertion Markup Language (SAML)
B. Service Oriented Architecture (SOA)
C. Extensible Markup Language (XML)
D. Wireless Authentication Protocol (WAP)

Answer: A

NEW QUESTION 411
- (Exam Topic 15)
What is the PRIMARY purpose of creating and reporting metrics for a security awareness, training, and education program?

A. Make all stakeholders aware of the program's progress.
B. Measure the effect of the program on the organization's workforce.
C. Facilitate supervision of periodic training events.
D. Comply with legal regulations and document due diligence in security practices.

Answer: C

NEW QUESTION 416
- (Exam Topic 15)
Which of the following vulnerabilities can be BEST detected using automated analysis?

A. Valid cross-site request forgery (CSRF) vulnerabilities
B. Multi-step process attack vulnerabilities
C. Business logic flaw vulnerabilities
D. Typical source code vulnerabilities

Answer: D

NEW QUESTION 421
- (Exam Topic 15)
What term is commonly used to describe hardware and software assets that are stored in a configuration management database (CMDB)?

A. Configuration element
B. Asset register
C. Ledger item
D. Configuration item

Answer: D

NEW QUESTION 425
- (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 426
- (Exam Topic 15)
A recent information security risk assessment identified weak system access controls on mobile devices as a high me In order to address this risk and ensure only authorized staff access company information, which of the following should the organization implement?

A. Intrusion prevention system (IPS)
B. Multi-factor authentication (MFA)
C. Data loss protection (DLP)
D. Data at rest encryption

Answer:

B

NEW QUESTION 428
- (Exam Topic 15)
The Chief Information Security Officer (CISO) of a small organization is making a case for building a security operations center (SOC). While debating between an in-house, fully outsourced, or a hybrid capability, which of the following would be the MAIN consideration, regardless of the model?

A. Skill set and training
B. Headcount and capacity
C. Tools and technologies
D. Scope and service catalog

Answer: C

NEW QUESTION 431
- (Exam Topic 15)
How should the retention period for an organization's social media content be defined?

A. By the retention policies of each social media service
B. By the records retention policy of the organization
C. By the Chief Information Officer (CIO)
D. By the amount of available storage space

Answer: B

NEW QUESTION 435
- (Exam Topic 15)
In software development, developers should use which type of queries to prevent a Structured Query Language (SQL) injection?

A. Parameterised
B. Dynamic
C. Static
D. Controlled

Answer: A

NEW QUESTION 440
- (Exam Topic 15)
Which of the following is the MOST important consideration in selecting a security testing method based on different Radio-Frequency Identification (RFID) vulnerability types?

A. The performance and resource utilization of tools
B. The quality of results and usability of tools
C. An understanding of the attack surface
D. Adaptability of testing tools to multiple technologies

Answer: C

NEW QUESTION 441
- (Exam Topic 15)
A manager identified two conflicting sensitive user functions that were assigned to a single user account that had the potential to result in financial and regulatory risk to the company. The manager MOST likely discovered this during which of the following?

A. Security control assessment.
B. Separation of duties analysis
C. Network Access Control (NAC) review
D. Federated identity management (FIM) evaluation

Answer: B

NEW QUESTION 442
- (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 443
- (Exam Topic 15)
Assuming an individual has taken all of the steps to keep their internet connection private, which of the following is the BEST to browse the web privately?

A. Prevent information about browsing activities from being stored in the cloud.
B. Store browsing activities in the cloud.
C. Prevent information about browsing activities farm being stored on the personal device.
D. Store information about browsing activities on the personal device.

Answer: A

NEW QUESTION 446
- (Exam Topic 15)
Which of the following is the FIRST step an organization's security professional performs when defining a cyber-security program based upon industry standards?

A. Map the organization's current security practices to industry standards and frameworks.
B. Define the organization's objectives regarding security and risk mitigation.
C. Select from a choice of security best practices.
D. Review the past security assessments.

Answer: A

NEW QUESTION 449
- (Exam Topic 15)
Which type of access control includes a system that allows only users that are type=managers and department=sales to access employee records?

A. Discretionary access control (DAC)
B. Mandatory access control (MAC)
C. Role-based access control (RBAC)
D. Attribute-based access control (ABAC)

Answer: C

NEW QUESTION 452
- (Exam Topic 15)
A web developer is completing a new web application security checklist before releasing the application to production. the task of disabling unecessary services is on the checklist. Which web application threat is being mitigated by this action?

A. Security misconfiguration
B. Sensitive data exposure
C. Broken access control
D. Session hijacking

Answer: B

NEW QUESTION 456
- (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 460
- (Exam Topic 15)
A cloud service provider requires its customer organizations to enable maximum audit logging for its data storage service and to retain the logs for the period of three months. The audit logging generates extremely high amount of logs. What is the MOST appropriate strategy for the log retention?

A. Keep last week's logs in an online storage and the rest in a near-line storage.
B. Keep all logs in an online storage.
C. Keep all logs in an offline storage.
D. Keep last week's logs in an online storage and the rest in an offline storage.

Answer: D

NEW QUESTION 465
- (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 466
- (Exam Topic 15)
All hosts on the network are sending logs via syslog-ng to the log collector. The log collector is behind its own firewall, The security professional wants to make sure not to put extra load on the firewall due to the amount of traffic that is passing through it. Which of the following types of filtering would MOST likely be used?

A. Uniform Resource Locator (URL) Filtering
B. Web Traffic Filtering
C. Dynamic Packet Filtering
D. Static Packet Filtering

Answer: C

NEW QUESTION 470
- (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 475
- (Exam Topic 15)
A security engineer is required to integrate security into a software project that is implemented by small groups test quickly, continuously, and independently develop, test, and deploy code to the cloud. The engineer will MOST likely integrate with which software development process'

A. Service-oriented architecture (SOA)
B. Spiral Methodology
C. Structured Waterfall Programming Development
D. Devops Integrated Product Team (IPT)

Answer: C

NEW QUESTION 478
- (Exam Topic 15)
An organization with divisions in the United States (US) and the United Kingdom (UK) processes data comprised of personal information belonging to subjects living in the European Union (EU) and in the US. Which data MUST be handled according to the privacy protections of General Data Protection Regulation (GDPR)?

A. Only the EU citizens' data
B. Only the EU residents' data
C. Only the UK citizens' data
D. Only data processed in the UK

Answer: A

NEW QUESTION 480
- (Exam Topic 15)
What is the overall goal of software security testing?

A. Identifying the key security features of the software
B. Ensuring all software functions perform as specified
C. Reducing vulnerabilities within a software system
D. Making software development more agile

Answer: B

NEW QUESTION 481
- (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 485
- (Exam Topic 15)
What is the PRIMARY reason that a bit-level copy is more desirable than a file-level copy when replicating a hard drive's contents for an e-discovery investigation?

A. Files that have been deleted will be transferred.
B. The file and directory structure is retained.
C. File-level security settings will be preserved.

D. The corruption of files is less likely.

Answer: A

NEW QUESTION 490
- (Exam Topic 15)
What is the FIRST step prior to executing a test of an organisation's disaster recovery (DR) or business continuity plan (BCP)?

A. identify key stakeholders,
B. Develop recommendations for disaster scenarios.
C. Identify potential failure points.
D. Develop clear evaluation criteria.

Answer: D

NEW QUESTION 492
- (Exam Topic 15)
Which security feature fully encrypts code and data as it passes to the servers and only decrypts below the hypervisor layer?

A. File-system level encryption
B. Transport Layer Security (TLS)
C. Key management service
D. Trusted execution environments

Answer: D

NEW QUESTION 495
- (Exam Topic 15)
The application owner of a system that handles confidential data leaves an organization. It is anticipated that a replacement will be hired in approximately six months. During that time, which of the following should the organization do?

A. Gram temporary access to the former application owner's account
B. Assign a temporary application owner to the system.
C. Restrict access to the system until a replacement application owner rs hired.
D. Prevent changes to the confidential data until a replacement application owner is hired.

Answer: B

NEW QUESTION 500
- (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 501
- (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 503
- (Exam Topic 15)
Which of the following determines how traffic should flow based on the status of the infrastructure true?

A. Application plane
B. Data plane
C. Control plane
D. Traffic plane

Answer: D

NEW QUESTION 504
- (Exam Topic 15)
An organization wants to migrate to Session Initiation Protocol (SIP) to save on telephony expenses. Which of the following security related statements should be considered in the decision-making process?

A. Cloud telephony is less secure and more expensive than digital telephony services.
B. SIP services are more secure when used with multi-layer security proxies.
C. H.323 media gateways must be used to ensure end-to-end security tunnels.
D. Given the behavior of SIP traffic, additional security controls would be required.

Answer: C

NEW QUESTION 507
- (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 511
- (Exam Topic 15)
An organization is considering partnering with a third-party supplier of cloud services. The organization will only be providing the data and the third-party supplier will be providing the security controls. Which of the following BEST describes this service offering?

A. Platform as a Service (PaaS)
B. Infrastructure as a Service (IaaS)
C. Software as a Service (SaaS)
D. Anything as a Service (XaaS)

Answer: D

NEW QUESTION 516
- (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 520
- (Exam Topic 15)
Which one of the following can be used to detect an anomaly in a system by keeping track of the state of files that do not normally change?\

A. System logs
B. Anti-spyware
C. Integrity checker
D. Firewall logs

Answer: C

NEW QUESTION 521
- (Exam Topic 15)
In order to provide dual assurance in a digital signature system, the design MUST include which of the following?

A. The public key must be unique for the signed document.
B. signature process must generate adequate authentication credentials.
C. The hash of the signed document must be present.
D. The encrypted private key must be provided in the signing certificate.

Answer: B

NEW QUESTION 524
- (Exam Topic 15)
Which of the following is a standard Access Control List (ACL) element that enables a router to filter Internet traffic?

A. Media Access Control (MAC) address
B. Internet Protocol (IP) address
C. Security roles
D. Device needs

Answer: B

NEW QUESTION 529

- (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 534
- (Exam Topic 15)
Which part of an operating system (OS) is responsible for providing security interfaces among the hardware, OS, and other parts of the computing system?

A. Trusted Computing Base (TCB)
B. Time separation
C. Security kernel
D. Reference monitor

Answer: C

NEW QUESTION 539
- (Exam Topic 15)
Which combination of cryptographic algorithms are compliant with Federal Information Processing Standard (FIPS) Publication 140-2 for non-legacy systems?

A. Diffie-hellman (DH) key exchange: DH (>=2048 bits)Symmetric Key: Advanced Encryption Standard (AES) > 128 bits Digital Signature: Rivest-Shamir-Adleman (RSA) (1024 bits)
B. Diffie-hellman (DH) key exchange: DH (>=2048 bits)Symmetric Key: Advanced Encryption Standard (AES) > 128 bits Digital Signature: Digital Signature Algorithm (DSA) (>=2048 bits)
C. Diffie-hellman (DH) key exchange: DH (<= 1024 bits) Symmetric Key: BlowfishDigital Signature: Rivest-Shamir-Adleman (RSA) (>=2048 bits)
D. Diffie-hellman (DH) key exchange: DH (>=2048 bits)Symmetric Key: Advanced Encryption Standard (AES) < 128 bitsDigital Signature: Elliptic Curve Digital Signature Algorithm (ECDSA) (>=256 bits)

Answer: C

NEW QUESTION 541
- (Exam Topic 15)
What is the PRIMARY purpose of auditing, as it relates to the security review cycle?

A. To ensure the organization's controls and pokies are working as intended
B. To ensure the organization can still be publicly traded
C. To ensure the organization's executive team won't be sued
D. To ensure the organization meets contractual requirements

Answer: A

NEW QUESTION 545
- (Exam Topic 15)
While performing a security review for a new product, an information security professional discovers that the organization's product development team is proposing to collect government-issued identification (ID) numbers from customers to use as unique customer identifiers. Which of the following recommendations should be made to the product development team?

A. Customer identifiers should be a variant of the user’s government-issued ID number.
B. Customer identifiers that do not resemble the user’s government-issued ID number should be used.
C. Customer identifiers should be a cryptographic hash of the user's government-issued ID number.
D. Customer identifiers should be a variant of the user’s name, for example, “jdoe” or “john.doe.”

Answer: C

NEW QUESTION 550
- (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 554
- (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 556
- (Exam Topic 15)
Which of the following techniques evaluates the secure design principles of network OF software architectures?

A. Risk modeling
B. Threat modeling
C. Fuzzing
D. Waterfall method

Answer: B

NEW QUESTION 561
- (Exam Topic 15)
To comply with industry requirements, a security assessment on the cloud server should identify which protocols and weaknesses are being exposed to attackers on the Internet.
Which of the following tools is the MOST appropriate to complete the assessment?

A. Use tcpdump and parse the output file in a protocol analyzer.
B. Use an IP scanner and target the cloud WAN network addressing
C. Run netstat in each cloud server and retrieve the running processes.
D. Use nmap and set the servers' public IPs as the target

Answer: D

NEW QUESTION 566
- (Exam Topic 15)
Which part of an operating system (OS) is responsible for providing security interfaces among the hardware, OS, and other parts of the computing system?

A. Time separation
B. Trusted Computing Base (TCB)
C. Reference monitor
D. Security kernel

Answer: D

NEW QUESTION 569
- (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 570
- (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 575
- (Exam Topic 15)
What are the three key benefits that application developers should derive from the northbound application programming interface (API) of software defined networking (SDN)?

A. Familiar syntax, abstraction of network topology, and definition of network protocols
B. Network syntax, abstraction of network flow, and abstraction of network protocols
C. Network syntax, abstraction of network commands, and abstraction of network protocols
D. Familiar syntax, abstraction of network topology, and abstraction of network protocols

Answer: C

NEW QUESTION 578

- (Exam Topic 15)
A healthcare insurance organization chose a vendor to develop a software application. Upon review of the draft contract, the information security professional notices that software security is not addressed. What is the BEST approach to address the issue?

A. Update the service level agreement (SLA) to provide the organization the right to audit the vendor.
B. Update the service level agreement (SLA) to require the vendor to provide security capabilities.
C. Update the contract so that the vendor is obligated to provide security capabilities.
D. Update the contract to require the vendor to perform security code reviews.

Answer: C

NEW QUESTION 581
- (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 585
- (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 588
- (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 589
- (Exam Topic 15)
The development team has been tasked with collecting data from biometric devices. The application will support a variety of collection data streams. During the testing phase, the team utilizes data from an old production database in a secure testing environment. What principle has the team taken into consideration?

A. biometric data cannot be changed.
B. Separate biometric data streams require increased security.
C. The biometric devices are unknown.
D. Biometric data must be protected from disclosure.

Answer: A

NEW QUESTION 593
- (Exam Topic 15)
What process facilitates the balance of operational and economic costs of protective measures with gains in mission capability?

A. Risk assessment
B. Performance testing
C. Security audit
D. Risk management

Answer: D

NEW QUESTION 598
- (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 599
- (Exam Topic 14)
Which of the following is the BEST technique to facilitate secure software development?

A. Adhere to secure coding practices for the software application under development.
B. Conduct penetrating testing for the software application under development.
C. Develop a threat modeling review for the software application under development.
D. Perform a code review process for the software application under development.

Answer: A

NEW QUESTION 603
- (Exam Topic 14)
Which of the following are core categories of malicious attack against Internet of Things (IOT) devices?

A. Packet capture and false data injection
B. Packet capture and brute force attack
C. Node capture 3nd Structured Query Langue (SQL) injection
D. Node capture and false data injection

Answer: D

NEW QUESTION 606
- (Exam Topic 14)
copyright provides protection for which of the following?

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

Answer: C

NEW QUESTION 610
- (Exam Topic 14)
Internet protocol security (IPSec), point-to-point tunneling protocol (PPTP), and secure sockets Layer (SSL) all use Which of the following to prevent replay attacks?

A. Large Key encryption
B. Single integrity protection
C. Embedded sequence numbers
D. Randomly generated nonces

Answer: C

NEW QUESTION 615
- (Exam Topic 14)
Which of the following techniques is effective to detect taps in fiber optic cables?

A. Taking baseline signal level of the cable
B. Measuring signal through external oscillator solution devices
C. Outlining electromagnetic field strength
D. Performing network vulnerability scanning

Answer: B

NEW QUESTION 619
- (Exam Topic 14)
Which of the following value comparisons MOST accurately reflects the agile development approach?

A. Processes and toots over individuals and interactions
B. Contract negotiation over customer collaboration
C. Following a plan over responding to change
D. Working software over comprehensive documentation

Answer: D

NEW QUESTION 623
- (Exam Topic 14)
What access control scheme uses fine-grained rules to specify the conditions under which access to each data item or applications is granted?

A. Mandatory Access Control (MAC)
B. Discretionary Access Control (DAC)

C. Role Based Access Control (RBAC)
D. Attribute Based Access Control (ABAC)

Answer: D

Explanation:
Reference: https://en.wikipedia.org/wiki/Attribute-based_access_control

NEW QUESTION 627
- (Exam Topic 14)
Which of the following encryption types is used in Hash Message Authentication Code (HMAC) for key distribution?

A. Symmetric
B. Asymmetric
C. Ephemeral
D. Permanent

Answer: A

Explanation:
Reference: https://www.brainscape.com/flashcards/cryptography-message-integrity-6886698/packs/10957693

NEW QUESTION 632
- (Exam Topic 14)
Functional security testing is MOST critical during which phase of the system development life cycle (SDLC)?

A. Operations / Maintenance
B. Implementation
C. Acquisition / Development
D. Initiation

Answer: B

NEW QUESTION 636
- (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 641
- (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 645
- (Exam Topic 14)

A. Verify the camera's log for recent logins outside of the Internet Technology (IT) department.
B. Verify the security and encryption protocol the camera uses.
C. Verify the security camera requires authentication to log into the management console.
D. Verify the most recent firmware version is installed on the camera.

Answer: D

NEW QUESTION 649
- (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 650
- (Exam Topic 14)
When adopting software as a service (Saas), which security responsibility will remain with remain with the adopting organization?

A. Physical security
B. Data classification
C. Network control
D. Application layer control

Answer: B

NEW QUESTION 653
- (Exam Topic 14)
Which of the following types of data would be MOST difficult to detect by a forensic examiner?

A. Slack space data
B. Steganographic data
C. File system deleted data
D. Data stored with a different file type extension

Answer: C

NEW QUESTION 656
- (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 660
- (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 663
- (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 665
- (Exam Topic 14)
Which of the following four iterative steps are conducted on third-party vendors in an on-going basis?

A. Investigate, Evaluate, Respond, Monitor
B. Frame, Assess, Respond, Monitor
C. Frame, Assess, Remediate, Monitor
D. Investigate, Assess, Remediate, Monitor

Answer: C

NEW QUESTION 666
- (Exam Topic 14)
Which of the following practices provides the development team with a definition of security and identification of threats in designing software?

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

Answer: C

NEW QUESTION 670
- (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 671
- (Exam Topic 14)
A criminal organization is planning an attack on a government network. Which of the following is the MOST severe attack to the network availability?

A. Network management communications is disrupted by attacker
B. Operator loses control of network devices to attacker
C. Sensitive information is gathered on the network topology by attacker
D. Network is flooded with communication traffic by attacker

Answer: B

NEW QUESTION 675
- (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 677
- (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 681
- (Exam Topic 14)
Which of the following is the MOST critical success factor in the security patch management process?

A. Tracking and reporting on inventory
B. Supporting documentation
C. Management review of reports
D. Risk and impact analysis

Answer: A

NEW QUESTION 683
- (Exam Topic 14)
From an asset security perspective, what is the BEST countermeasure to prevent data theft due to data remanence when a sensitive data storage media is no longer needed?

A. Return the media to the system owner.
B. Delete the sensitive data from the media.
C. Physically destroy the retired media.
D. Encrypt data before it Is stored on the media.

Answer: C

NEW QUESTION 685
- (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 687
- (Exam Topic 14)
Who determines the required level of independence for security control Assessors (SCA)?

A. Business owner
B. Authorizing Official (AO)
C. Chief Information Security Officer (CISC)
D. System owner

Answer: B

NEW QUESTION 689
- (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 693
- (Exam Topic 14)
Which of the following is considered the last line defense in regard to a Governance, Risk managements, and compliance (GRC) program?

A. Internal audit
B. Internal controls
C. Board review
D. Risk management

Answer: B

NEW QUESTION 695
- (Exam Topic 14)
A financial company has decided to move its main business application to the Cloud. The legal department objects, arguing that the move of the platform should comply with several regulatory obligations such as the General Data Protection (GDPR) and ensure data confidentiality. The Chief Information Security Officer (CISO) says that the cloud provider has met all regulations requirements and even provides its own encryption solution with internally-managed encryption keys to address data confidentiality. Did the CISO address all the legal requirements in this situation?

A. No, because the encryption solution is internal to the cloud provider.
B. Yes, because the cloud provider meets all regulations requirements.
C. Yes, because the cloud provider is GDPR compliant.
D. No, because the cloud provider is not certified to host government data.

Answer: B

NEW QUESTION 697
- (Exam Topic 14)
Which of the following is the BEST statement for a professional to include as port of business continuity (BC) procedure?

A. A full data backup must be done upon management request.
B. An incremental data backup must be done upon management request.
C. A full data backup must be done based on the needs of the business.
D. In incremental data backup must be done after each system change.

Answer: D

NEW QUESTION 700
- (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 701
- (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 704
- (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 707
- (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 710
- (Exam Topic 14)
Which of the following is a process in the access provisioning lifecycle that will MOST likely identify access aggregation issues?

A. Test
B. Assessment
C. Review
D. Peer review

Answer: C

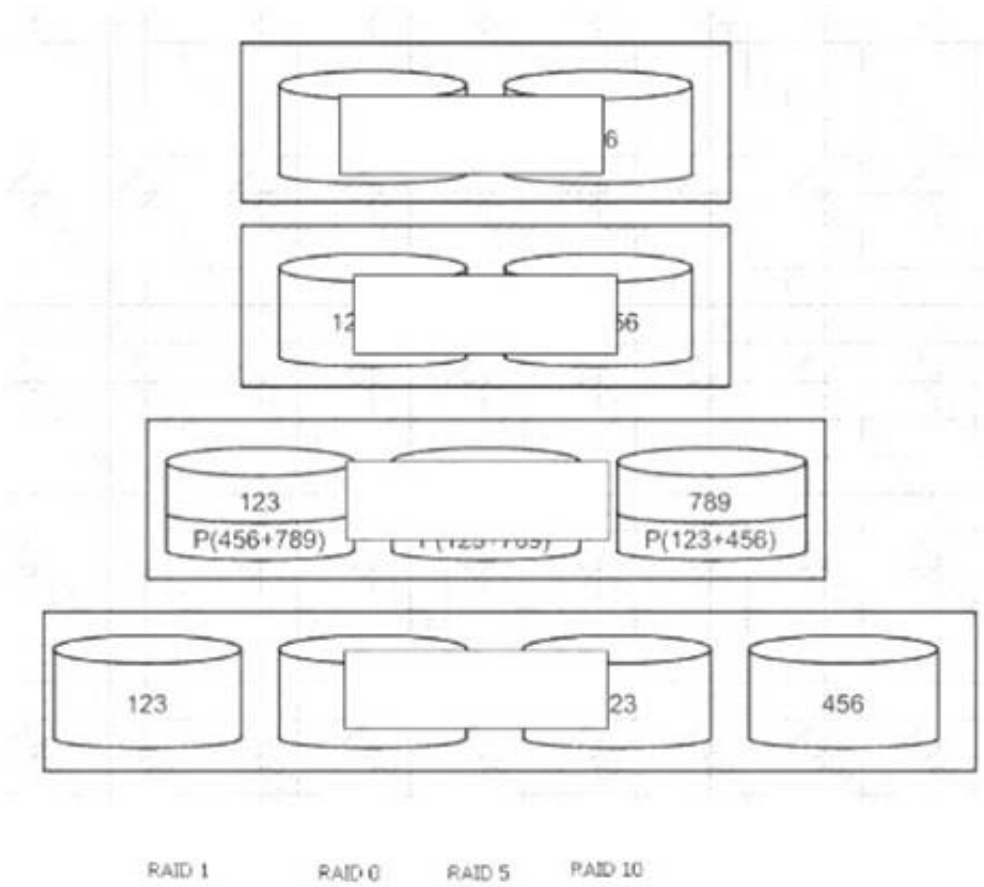
Explanation:
Reference: https://books.google.com.pk/books?id=W2TvAgAAQBAJ&pg=PA256&lpg=PA256&dq=process+in+the+acce

NEW QUESTION 713
- (Exam Topic 14)
Which of the following needs to be included in order for High Availability (HA) to continue operations during planned system outages?

A. Redundant hardware, disk spanning, and patching
B. Load balancing, power reserves, and disk spanning
C. Backups, clustering, and power reserves
D. Clustering, load balancing, and fault-tolerant options

Answer: D

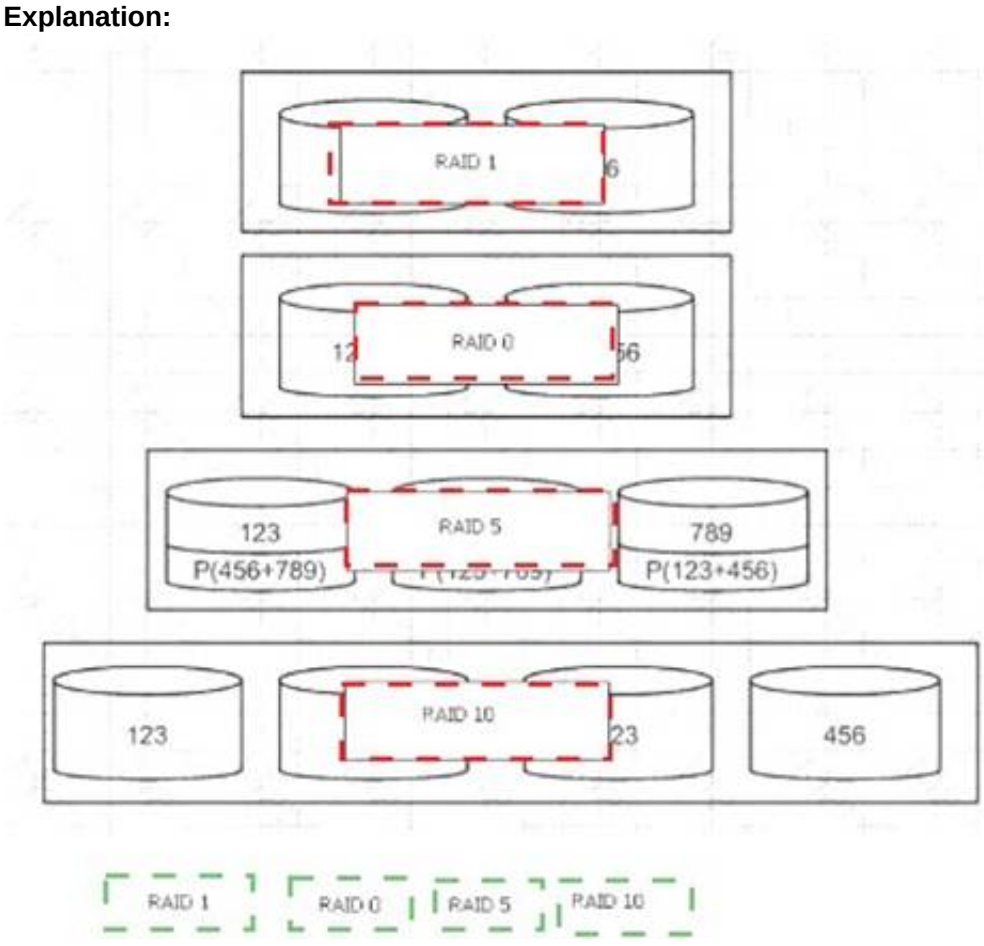
NEW QUESTION 715
- (Exam Topic 14)
Given a file containing ordered number, i.e. “123456789,” match each of the following redundant Array of independent Disks (RAID) levels to the corresponding visual representation visual representation. Note: P() = parity.
Drag each level to the appropriate place on the diagram.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 716
- (Exam Topic 14)
Which of the following is the PRIMARY reason a sniffer operating on a network is collecting packets only from its own host?

A. An Intrusion Detection System (IDS) has dropped the packets.
B. The network is connected using switches.
C. The network is connected using hubs.
D. The network's firewall does not allow sniffing.

Answer: A

NEW QUESTION 720
- (Exam Topic 14)
What is the FIRST step required in establishing a records retention program?

A. Identify and inventory all records.
B. Identify and inventory all records storage locations
C. Classify records based on sensitivity.
D. Draft a records retention policy.

Answer: D

NEW QUESTION 724
- (Exam Topic 14)
What should be the FIRST action for a security administrator who detects an intrusion on the network based on precursors and other indicators?

A. Isolate and contain the intrusion.
B. Notify system and application owners.
C. Apply patches to the Operating Systems (OS).
D. Document and verify the intrusion.

Answer: C

Explanation:
Reference:
https://securityintelligence.com/dont-dwell-on-it-how-to-detect-a-breach-on-your-network-more-efficiently/

NEW QUESTION 729
- (Exam Topic 14)
A vehicle of a private courier company that transports backup data for offsite storage was robbed while in transport backup data for offsite was robbed while in transit. The incident management team is now responsible to estimate the robbery, which of the following would help the incident management team to MOST effectively analyze the business impact of the robbery?

A. Log of backup administrative actions
B. Log of the transported media and its classification marking
C. Log of the transported media and Its detailed contents
D. Log of backed up data and their respective data custodians

Answer: B

NEW QUESTION 734
- (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 735
- (Exam Topic 14)
As users switch roles within an organization, their accounts are given additional permissions to perform the duties of their new position. After a recent audit, it was discovered that many of these accounts maintained their old permissions as well. The obsolete permissions identified by the audit have been remediated and accounts have only the appropriate permissions to complete their jobs.
Which of the following is the BEST way to prevent access privilege creep?

A. Implementing Identity and Access Management (IAM) solution
B. Time-based review and certification
C. Internet audit
D. Trigger-based review and certification

Answer: A

NEW QUESTION 737
- (Exam Topic 14)
Which of the following can be used to calculate the loss event probability?

A. Total number of possible outcomes divided by frequency of outcomes
B. Number of outcomes divided by total number of possible outcomes
C. Number of outcomes multiplied by total number of possible outcomes
D. Total number of possible outcomes multiplied by frequency of outcomes

Answer: B

NEW QUESTION 738
- (Exam Topic 14)
Which of the following management processes allots ONLY those services required for users to accomplish their tasks, change default user passwords, and set servers to retrieve antivirus updates?

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

Answer:

B

NEW QUESTION 743
- (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 746
- (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 747
- (Exam Topic 14)
Digital certificates used transport Layer security (TLS) support which of the following?

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

Answer: A

NEW QUESTION 751
- (Exam Topic 14)
Which is the second phase of public key Infrastructure (pk1) key/certificate life-cycle management?

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

Answer: C

NEW QUESTION 755
- (Exam Topic 14)
When a system changes significantly, who is PRIMARILY responsible for assessing the security impact?

A. Chief Information Security Officer (CISO)
B. Information System Owner
C. Information System Security Officer (ISSO)
D. Authorizing Official

Answer: B

NEW QUESTION 758
- (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 763
- (Exam Topic 14)
What is the MAIN reason to ensure the appropriate retention periods are enforced for data stored on electronic media?

A. To reduce the carbon footprint by eliminating paper
B. To create an inventory of data assets stored on disk for backup and recovery
C. To declassify information that has been improperly classified

D. To reduce the risk of loss, unauthorized access, use, modification, and disclosure

Answer: D

NEW QUESTION 764
- (Exam Topic 14)
Which of the following technologies would provide the BEST alternative to anti-malware software?

A. Host-based Intrusion Detection Systems (HIDS)
B. Application whitelisting
C. Host-based firewalls
D. Application sandboxing

Answer: B

NEW QUESTION 767
- (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 771
- (Exam Topic 14)
Which of the following initiates the system recovery phase of a disaster recovery plan?

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

Answer: C

NEW QUESTION 773
- (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 775
- (Exam Topic 14)
Which type of test suite should be run for fast feedback during application develoment?

A. Full recession
B. End-to-end
C. Smoke
D. Specific functionality

Answer: C

NEW QUESTION 778
- (Exam Topic 14)
Who is essential for developing effective test scenarios for disaster recovery (DR) test plans?

A. Business line management and IT staff members
B. Chief Information Officer (CIO) and DR manager
C. DR manager end IT staff members
D. IT staff members and project managers

Answer: B

NEW QUESTION 780
- (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 783
- (Exam Topic 14)
Why do certificate Authorities (CA) add value to the security of electronic commerce transactions?

A. They maintain the certificate revocation list.
B. They maintain the private keys of transition parties.
C. They verify the transaction parties' private keys.
D. They provide a secure communication enamel to the transaction parties.

Answer: D

NEW QUESTION 788
- (Exam Topic 14)
Which of the following trust services principles refers to the accessibility of information used by the systems, products, or services offered to a third-party provider’s customers?

A. Security
B. Privacy
C. Access
D. Availability

Answer: C

Explanation:
Reference: https://www.aicpa.org/content/dam/aicpa/interestareas/frc/assuranceadvisoryservices/downloadabledocuments/tr

NEW QUESTION 792
- (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 797
- (Exam Topic 14)
Which one of the following would cause an immediate review and possible change to the security policies of an organization?

A. Change in technology
B. Change in senior management
C. Change to organization processes
D. Change to organization goals

Answer: D

NEW QUESTION 801
- (Exam Topic 14)
Why is lexical obfuscation in software development discouraged by many organizations?

A. Problems writing test cases
B. Problems recovering systems after disaster
C. Problems compiling the code
D. Problems maintaining data connections

Answer: C

NEW QUESTION 804
- (Exam Topic 14)
Which of the following is applicable to a publicly held company concerned about information handling and storage requirement specific to the financial reporting?

A. Privacy Act of 1974
B. Clinger-Cohan Act of 1996

C. Sarbanes-Oxley (SOX) Act of 2002
D. International Organization for Standardization (ISO) 27001

Answer: C

NEW QUESTION 808
- (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 809
- (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 811
- (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 815
- (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 820
- (Exam Topic 14)
Which of the following activities is MOST likely to be performed during a vulnerability assessment?

A. Establish caller authentication procedures to verify the identities of users.
B. Analyze the environment by conducting interview sessions with relevant parties.
C. Document policy exceptions required to access systems in non-compliant areas.
D. Review professorial credentials of the vulnerability assessment team or vendor.

Answer: D

NEW QUESTION 823
- (Exam Topic 14)
Which of the following MOST applies to session initiation protocal (SIP) security?

A. It leverages Hypertext Transfer Protocol (HTTP) over Transport Layer Security (TLS).
B. It requires a Public Key Infrastructure (PKI).
C. It reuses security mechanisms derived from existing protocols.
D. It supports end-to-end security natively.

Answer: C

NEW QUESTION 824
- (Exam Topic 14)

What is a common mistake in records retention?

A. Having the organization legal department create a retention policy
B. Adopting a retention policy based on applicable organization requirements
C. Having the Human Resource (HR) department create a retention policy
D. Adopting a retention policy with the longest requirement period

Answer: C

NEW QUESTION 826
- (Exam Topic 14)
An application team is running tests to ensure that user entry fields will not accept invalid input of any length. What type of negative testing is this an example of?

A. Reasonable data
B. Population of required fields
C. Allowed number of characters
D. Session testing

Answer: C

Explanation:
Reference: https://www.softwaretestinghelp.com/what-is-negative-testing/

NEW QUESTION 828
- (Exam Topic 14)
Which of the following is the key requirement for test results when implementing forensic procedures?

A. The test results must be cost-effective.
B. The test result must be authorized.
C. The test results must be quantifiable.
D. The test results must be reproducible.

Answer: B

NEW QUESTION 830
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