ISC2

Exam Questions CISSP

Certified Information Systems Security Professional (CISSP)

About Exambible

Your Partner of IT Exam

Found in 1998

Exambible is a company specialized on providing high quality IT exam practice study materials, especially Cisco CCNA, CCDA, CCNP, CCIE, Checkpoint CCSE, CompTIA A+, Network+ certification practice exams and so on. We guarantee that the candidates will not only pass any IT exam at the first attempt but also get profound understanding about the certificates they have got. There are so many alike companies in this industry, however, Exambible has its unique advantages that other companies could not achieve.

Our Advances

* 99.9% Uptime

All examinations will be up to date.

* 24/7 Quality Support

We will provide service round the clock.

* 100% Pass Rate

Our guarantee that you will pass the exam.

* Unique Gurantee

If you do not pass the exam at the first time, we will not only arrange FULL REFUND for you, but also provide you another exam of your claim, ABSOLUTELY FREE!

NEW QUESTION 1
- (Exam Topic 15)
What is the MAIN objective of risk analysis in Disaster Recovery (DR) planning?

A. Establish Maximum Tolerable Downtime (MTD) Information Systems (IS).
B. Define the variable cost for extended downtime scenarios.
C. Identify potential threats to business availability.
D. Establish personnel requirements for various downtime scenarios.

Answer: C

NEW QUESTION 2
- (Exam Topic 15)
An organization has been collecting a large amount of redundant and unusable data and filling up the storage area network (SAN). Management has requested the identification of a solution that will address ongoing storage problems. Which is the BEST technical solution?

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

Answer: B

NEW QUESTION 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)
A database server for a financial application is scheduled for production deployment. Which of the following controls will BEST prevent tampering?

A. Service accounts removal
B. Data validation
C. Logging and monitoring
D. Data sanitization

Answer: B

NEW QUESTION 6
- (Exam Topic 15)
While reviewing the financial reporting risks of a third-party application, which of the following Service Organization Control (SOC) reports will be the MOST useful?

A. ISIsOC 1
B. SOC 2
C. SOC 3
D. SOC for cybersecurity

Answer: A

NEW QUESTION 7
- (Exam Topic 15)
Which of the following access control models is MOST restrictive?

A. Discretionary Access Control (DAC)
B. Mandatory Access Control (MAC)
C. Role Based Access Control (RBAC)
D. Rule based access control

Answer: B

NEW QUESTION 8
- (Exam Topic 15)
Which of the following routing protocols is used to exchange route information between public autonomous systems?

A. OSPF
B. BGP
C. EIGRP
D. RIP

Answer: B

NEW QUESTION 9
- (Exam Topic 15)
Which of the following is a PRIMARY security weakness in the design of Domain Name System (DNS)?

A. A DNS server can be disabled in a denial-of-service (DoS) attack.
B. A DNS server does not authenticate source of information.
C. Each DNS server must hold the address of the root servers.
D. A DNS server database can be injected with falsified checksums.

Answer: A

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

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

Answer: D

NEW QUESTION 10
- (Exam Topic 15)
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 12
- (Exam Topic 15)
To minimize the vulnerabilities of a web-based application, which of the following FIRST actions will lock down the system and minimize the risk of an attack?

A. Install an antivirus on the server
B. Run a vulnerability scanner
C. Review access controls
D. Apply the latest vendor patches and updates

Answer: D

NEW QUESTION 16
- (Exam Topic 15)
An organization wants to define its physical perimeter. What primary device should be used to accomplish this objective if the organization's perimeter MUST cost-efficiently deter casual trespassers?

A. Fences eight or more feet high with three strands of barbed wire
B. Fences three to four feet high with a turnstile
C. Fences accompanied by patrolling security guards
D. Fences six to seven feet high with a painted gate

Answer: A

NEW QUESTION 21
- (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 22
- (Exam Topic 15)
Which of the following is the BEST way to protect an organization's data assets?

A. Monitor and enforce adherence to security policies.
B. Encrypt data in transit and at rest using up-to-date cryptographic algorithms.
C. Create the Demilitarized Zone (DMZ) with proxies, firewalls and hardened bastion hosts.
D. Require Multi-Factor Authentication (MFA) and Separation of Duties (SoD).

Answer: B

NEW QUESTION 27
- (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 29
- (Exam Topic 15)
What is the MAIN purpose of conducting a business impact analysis (BIA)?

A. To determine the critical resources required to recover from an incident within a specified time period
B. To determine the effect of mission-critical information system failures on core business processes
C. To determine the cost for restoration of damaged information system
D. To determine the controls required to return to business critical operations

Answer: B

NEW QUESTION 34
- (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 36
- (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 39
- (Exam Topic 15)
Recently, an unknown event has disrupted a single Layer-2 network that spans between two geographically diverse data centers. The network engineers have asked for assistance in identifying the root cause of the event. Which of the following is the MOST likely cause?

A. Misconfigured routing protocol
B. Smurf attack
C. Broadcast domain too large
D. Address spoofing

Answer: D

NEW QUESTION 44

- (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 47
- (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 48
- (Exam Topic 15)
Which of the following is the BEST way to protect against Structured Query language (SQL) injection?

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

Answer: D

NEW QUESTION 52
- (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 55
- (Exam Topic 15)
In a DevOps environment, which of the following actions is MOST necessary to have confidence in the quality of the changes being made?

A. Prepare to take corrective actions quickly.
B. Receive approval from the change review board.
C. Review logs for any anomalies.
D. Automate functionality testing.

Answer: B

NEW QUESTION 60
- (Exam Topic 15)
A project manager for a large software firm has acquired a government contract that generates large amounts of Controlled Unclassified Information (CUI). The organization's information security manager has received a request to transfer project-related CUI between systems of differing security classifications. What role provides
the authoritative guidance for this transfer?

A. Information owner
B. PM
C. Data Custodian
D. Mission/Business Owner

Answer: C

NEW QUESTION 64
- (Exam Topic 15)
A user is allowed to access the file labeled “Financial Forecast,” but only between 9:00 a.m. and 5:00 p.m., Monday through Friday. Which type of access mechanism should be used to accomplish this?

A. Minimum access control
B. Rule-based access control

C. Limited role-based access control (RBAC)
D. Access control list (ACL)

Answer: B

NEW QUESTION 66
- (Exam Topic 15)
Which of the following BEST describes the objectives of the Business Impact Analysis (BIA)?

A. Identifying the events and environmental factors that can adversely affect an organization
B. Identifying what is important and critical based on disruptions that can affect the organization.
C. Establishing the need for a Business Continuity Plan (BCP) based on threats that can affect an organization
D. Preparing a program to create an organizational awareness for executing the Business Continuity Plan (BCP)

Answer: B

NEW QUESTION 68
- (Exam Topic 15)
Which of the following is an indicator that a company's new user security awareness training module has been effective?

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

Answer: B

NEW QUESTION 70
- (Exam Topic 15)
Which of the following examples is BEST to minimize the attack surface for a customer's private information?

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

Answer: A

NEW QUESTION 75
- (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 77
- (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 82
- (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 86
- (Exam Topic 15)

Which of the following is security control volatility?

A. A reference to the stability of the security control.
B. A reference to how unpredictable the security control is.
C. A reference to the impact of the security control.
D. A reference to the likelihood of change in the security control.

Answer: D

NEW QUESTION 88
- (Exam Topic 15)
An establish information technology (IT) consulting firm is considering acquiring a successful local startup. To gain a comprehensive understanding of the startup's security posture' which type of assessment provides the BEST information?

A. A security audit
B. A penetration test
C. A tabletop exercise
D. A security threat model

Answer: A

NEW QUESTION 93
- (Exam Topic 15)
Which of the following is the GREATEST risk of relying only on Capability Maturity Models (CMM) for software to guide process improvement and assess capabilities of acquired software?

A. Organizations can only reach a maturity level 3 when using CMMs
B. CMMs do not explicitly address safety and security
C. CMMs can only be used for software developed in-house
D. CMMs are vendor specific and may be biased

Answer: B

NEW QUESTION 95
- (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 99
- (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 100
- (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 105
- (Exam Topic 15)
What is the term used to define where data is geographically stored in the cloud?

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

Answer: D

NEW QUESTION 109
- (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 110
- (Exam Topic 15)
When testing password strength, which of the following is the BEST method for brute forcing passwords?

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

Answer: C

NEW QUESTION 114
- (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 115
- (Exam Topic 15)
What is the MOST important criterion that needs to be adhered to during the data collection process of an active investigation?

A. Capturing an image of the system
B. Maintaining the chain of custody
C. Complying with the organization's security policy
D. Outlining all actions taken during the investigation

Answer: A

NEW QUESTION 116
- (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 117
- (Exam Topic 15)
What is the BEST way to restrict access to a file system on computing systems?

A. Allow a user group to restrict access.
B. Use a third-party tool to restrict access.
C. Use least privilege at each level to restrict access.
D. Restrict access to all users.

Answer: C

NEW QUESTION 119
- (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 124
- (Exam Topic 15)
A software development company has a short timeline in which to deliver a software product. The software development team decides to use open-source software libraries to reduce the development time. What concept should software developers consider when using open-source software libraries?

A. Open source libraries contain known vulnerabilities, and adversaries regularly exploit those vulnerabilities in the wild.
B. Open source libraries can be used by everyone, and there is a common understanding that the vulnerabilities in these libraries will not be exploited.
C. Open source libraries are constantly updated, making it unlikely that a vulnerability exists for an adversary to exploit.
D. Open source libraries contain unknown vulnerabilities, so they should not be used.

Answer: A

NEW QUESTION 128
- (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 131
- (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 136
- (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 141
- (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 145
- (Exam Topic 15)
Computer forensics requires which of the following MAIN steps?

A. Announce the incident to responsible sections, analyze the data, assimilate the data for correlation
B. Take action to contain the damage, announce the incident to responsible sections, analyze the data
C. Acquire the data without altering, authenticate the recovered data, analyze the data
D. Access the data before destruction, assimilate the data for correlation, take action to contain the damage

Answer: B

NEW QUESTION 150
- (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 154
- (Exam Topic 15)
Which of the following is the MOST secure password technique?

A. Passphrase
B. One-time password
C. Cognitive password
D. dphertext

Answer: A

NEW QUESTION 159
- (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 160
- (Exam Topic 15)
Which of the following departments initiates the request, approval, and provisioning business process?

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

Answer: A

NEW QUESTION 163
- (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 167
- (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 169
- (Exam Topic 15)
Which type of disaster recovery plan (DRP) testing carries the MOST operational risk?

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

Answer: C

NEW QUESTION 170
- (Exam Topic 15)
A colleague who recently left the organization asked a security professional for a copy of the organization's confidential incident management policy. Which of the following is the BEST response to this request?

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

Answer: B

NEW QUESTION 173
- (Exam Topic 15)
Before implementing an internet-facing router, a network administrator ensures that the equipment is baselined/hardened according to approved configurations and settings. This action provides protection against which of the following attacks?

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

Answer: B

NEW QUESTION 174
- (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 175
- (Exam Topic 15)
What is the MINIMUM standard for testing a disaster recovery plan (DRP)?

A. Semi-annually and in alignment with a fiscal half-year business cycle
B. Annually or less frequently depending upon audit department requirements
C. Quarterly or more frequently depending upon the advice of the information security manager
D. As often as necessary depending upon the stability of the environment and business requirements

Answer: D

NEW QUESTION 179
- (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 184
- (Exam Topic 15)
Dumpster diving is a technique used in which stage of penetration testing methodology?

A. Attack
B. Discovery
C. Reporting
D. Planning

Answer: B

NEW QUESTION 189
- (Exam Topic 15)
When designing a business continuity plan (BCP), what is the formula to determine the Maximum Tolerable Downtime (MTD)?

A. Annual Loss Expectancy (ALE) + Work Recovery Time (WRT)
B. Business impact analysis (BIA) + Recovery Point Objective (RPO)
C. Recovery Time Objective (RTO) + Work Recovery Time (WRT)
D. Estimated Maximum Loss (EML) + Recovery Time Objective (RTO)

Answer: C

NEW QUESTION 194
- (Exam Topic 15)
A federal agency has hired an auditor to perform penetration testing on a critical system as part of the mandatory, annual Federal Information Security Management Act (FISMA) security assessments. The auditor is new to this system but has extensive experience with all types of penetration testing. The auditor has decided to begin with sniffing network traffic. What type of penetration testing is the auditor conducting?

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

Answer: C

NEW QUESTION 198
- (Exam Topic 15)
An organization has discovered that organizational data is posted by employees to data storage accessible to the general public. What is the PRIMARY step an organization must take
to ensure data is properly protected from public release?

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

Answer: C

NEW QUESTION 199
- (Exam Topic 15)
What BEST describes the confidentiality, integrity, availability triad?

A. A tool used to assist in understanding how to protect the organization's data
B. The three-step approach to determine the risk level of an organization
C. The implementation of security systems to protect the organization's data
D. A vulnerability assessment to see how well the organization's data is protected

Answer: C

NEW QUESTION 204
- (Exam Topic 15)
A small office is running WiFi 4 APs, and neighboring offices do not want to increase the throughput to associated devices. Which of the following is the MOST cost-efficient way for the office to increase network performance?

A. Add another AP.
B. Disable the 2.4GHz radios
C. Enable channel bonding.
D. Upgrade to WiFi 5.

Answer: C

NEW QUESTION 209
- (Exam Topic 15)
Which of the following security tools monitors devices and records the information in a central database for further analysis?

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

Answer: A

NEW QUESTION 210
- (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 212
- (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 215
- (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 217
- (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 218
- (Exam Topic 15)
Which of the following is the PRIMARY issue when analyzing detailed log information?

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

Answer: D

NEW QUESTION 219
- (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 222
- (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 224
- (Exam Topic 15)
Which of the following is the BEST way to protect privileged accounts?

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

Answer: D

NEW QUESTION 228
- (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 231
- (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 232
- (Exam Topic 15)
The acquisition of personal data being obtained by a lawful and fair means is an example of what principle?

A. Data Quality Principle
B. Openness Principle
C. Purpose Specification Principle
D. Collection Limitation Principle

Answer: D

NEW QUESTION 237
- (Exam Topic 15)
An organization has developed a way for customers to share information from their wearable devices with each other. Unfortunately, the users were not informed as to what information collected would be shared. What technical controls should be put in place to remedy the privacy issue while still trying to accomplish the organization's business goals?

A. Default the user to not share any information.
B. Inform the user of the sharing feature changes after implemented.
C. Share only what the organization decides is best.
D. Stop sharing data with the other users.

Answer: D

NEW QUESTION 239
- (Exam Topic 15)
An international organization has decided to use a Software as a Service (SaaS) solution to support its business operations. Which of the following compliance standards should the organization use to assess the international code security and data privacy of the solution?

A. Health Insurance Portability and Accountability Act (HIPAA)
B. Service Organization Control (SOC) 2
C. Payment Card Industry (PCI)
D. Information Assurance Technical Framework (IATF)

Answer: B

NEW QUESTION 243
- (Exam Topic 15)
Which of the following is the BEST approach to implement multiple servers on a virtual system?

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

Answer: C

NEW QUESTION 245
- (Exam Topic 15)
An organization has determined that its previous waterfall approach to software development is not keeping pace with business demands. To adapt to the rapid

changes required for product delivery, the organization has decided to move towards an Agile software development and release cycle. In order to ensure the success of the Agile methodology, who is MOST critical in creating acceptance tests or acceptance criteria for each release?

A. Project managers
B. Software developers
C. Independent testers
D. Business customers

Answer: D

NEW QUESTION 248
- (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 252
- (Exam Topic 15)
Which of the following attacks, if successful, could give an intruder complete control of a software-defined networking (SDN) architecture?

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

Answer: B

NEW QUESTION 255
- (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 258
- (Exam Topic 15)
When conducting a third-party risk assessment of a new supplier, which of the following reports should be reviewed to confirm the operating effectiveness of the security, availability, confidentiality, and privacy trust principles?

A. Service Organization Control (SOC) 1, Type 2
B. Service Organization Control (SOC) 2, Type 2
C. International Organization for Standardization (ISO) 27001
D. International Organization for Standardization (ISO) 27002

Answer: B

NEW QUESTION 260
- (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 263
- (Exam Topic 15)
Where can the Open Web Application Security Project (OWASP) list of associated vulnerabilities be found?

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

Answer: A

NEW QUESTION 267
- (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 269
- (Exam Topic 15)
Which of the following frameworks provides vulnerability metrics and characteristics to support the National Vulnerability Database (NVD)?

A. Center for Internet Security (CIS)
B. Common Vulnerabilities and Exposures (CVE)
C. Open Web Application Security Project (OWASP)
D. Common Vulnerability Scoring System (CVSS)

Answer: D

NEW QUESTION 273
- (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 278
- (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 279
- (Exam Topic 15)
What requirement MUST be met during internal security audits to ensure that all information provided is expressed as an objective assessment without risk of retaliation?

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

Answer: A

NEW QUESTION 284
- (Exam Topic 15)
A company is enrolled in a hard drive reuse program where decommissioned equipment is sold back to the vendor when it is no longer needed. The vendor pays more money for functioning drives than equipment that is no longer operational. Which method of data sanitization would provide the most secure means of preventing unauthorized data loss, while also receiving the most money from the vendor?

A. Pinning
B. Single-pass wipe
C. Degaussing
D. Multi-pass wipes

Answer: C

NEW QUESTION 286
- (Exam Topic 15)
According to the (ISC)? ethics canon “act honorably, honestly, justly, responsibly, and legally," which order should be used when resolving conflicts?

A. Public safety and duties to principals, individuals, and the profession

B. Individuals, the profession, and public safety and duties to principals
C. Individuals, public safety and duties to principals, and the profession
D. The profession, public safety and duties to principals, and individuals

Answer: A

NEW QUESTION 290
- (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 293
- (Exam Topic 15)
Which of the following types of datacenter architectures will MOST likely be used in a large SDN and can be extended beyond the datacenter?

A. iSCSI
B. FCoE
C. Three-tiered network
D. Spine and leafE Top-of-rack switching

Answer: B

NEW QUESTION 298
- (Exam Topic 15)
A hospital enforces the Code of Fair Information Practices. What practice applies to a patient requesting their medical records from a web portal?

A. Use limitation
B. Individual participation
C. Purpose specification
D. Collection limitation

Answer: D

NEW QUESTION 299
- (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 302
- (Exam Topic 15)
An access control list (ACL) on a router is a feature MOST similar to which type of firewall?

A. Packet filtering firewall
B. Application gateway firewall
C. Heuristic firewall
D. Stateful firewall

Answer: B

NEW QUESTION 304
- (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 308
- (Exam Topic 15)
Which section of the assessment report addresses separate vulnerabilities, weaknesses, and gaps?

A. Key findings section
B. Executive summary with full details
C. Risk review section
D. Findings definition section

Answer: A

NEW QUESTION 309
- (Exam Topic 15)
Which change management role is responsible for the overall success of the project and supporting the change throughout the organization?

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

Answer: D

NEW QUESTION 311
- (Exam Topic 15)
Which of the following factors is á PRIMARY reason to drive changes in an Information Security Continuous Monitoring (ISCM) strategy?

A. Testing and Evaluation (TE) personnel changes
B. Changes to core missions or business processes
C. Increased Cross-Site Request Forgery (CSRF) attacks
D. Changes in Service Organization Control (SOC) 2 reporting requirements

Answer: B

NEW QUESTION 315
- (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 320
- (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 325
- (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 326
- (Exam Topic 15)
A company wants to implement two-factor authentication (2FA) to protect their computers from unauthorized users. Which solution provides the MOST secure means of authentication and meets the criteria they have set?

A. Username and personal identification number (PIN)
B. Fingerprint and retinal scanners
C. Short Message Services (SMS) and smartphone authenticator

D. Hardware token and password

Answer: D

NEW QUESTION 331
- (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 334
- (Exam Topic 15)
Which of the following attack types can be used to compromise the integrity of data during transmission?

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

Answer: B

NEW QUESTION 339
- (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 343
- (Exam Topic 15)
Which of the following statements is TRUE about Secure Shell (SSH)?

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

Answer: B

NEW QUESTION 344
- (Exam Topic 15)
How does security in a distributed file system using mutual authentication differ from file security in a multi-user host?

A. Access control can rely on the Operating System (OS), but eavesdropping is
B. Access control cannot rely on the Operating System (OS), and eavesdropping
C. Access control can rely on the Operating System (OS), and eavesdropping is
D. Access control cannot rely on the Operating System (OS), and eavesdropping

Answer: C

NEW QUESTION 348
- (Exam Topic 15)
A Chief Information Officer (CIO) has delegated responsibility of their system security to the head of the information technology (IT) department. While corporate policy dictates that only the CIO can make decisions on the level of data protection required, technical implementation decisions are done by the head of the IT department. Which of the following BEST describes the security role filled by the head of the IT department?

A. System analyst
B. System security officer
C. System processor
D. System custodian

Answer: D

NEW QUESTION 350
- (Exam Topic 15)

When designing a Cyber-Physical System (CPS), which of the following should be a security practitioner's first consideration?

A. Detection of sophisticated attackers
B. Resiliency of the system
C. Topology of the network used for the system
D. Risk assessment of the system

Answer: B

NEW QUESTION 353
- (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 357
- (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 361
- (Exam Topic 15)
Which of the following is the MOST important first step in preparing for a security audit?

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

Answer: B

NEW QUESTION 362
- (Exam Topic 15)
Which of the following should be done at a disaster site before any item is removed, repaired, or replaced?

A. Take photos of the damage
B. Notify all of the Board of Directors
C. Communicate with the press following the communications plan
D. Dispatch personnel to the disaster recovery (DR) site

Answer: A

NEW QUESTION 363
- (Exam Topic 15)
A company is attempting to enhance the security of its user authentication processes. After evaluating several options, the company has decided to utilize Identity as a Service (IDaaS).
Which of the following factors leads the company to choose an IDaaS as their solution?

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

Answer: B

NEW QUESTION 368
- (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 373
- (Exam Topic 15)
An attacker has intruded into the source code management system and is able to download but not modify the code. Which of the following aspects of the code theft has the HIGHEST security impact?

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

Answer: A

NEW QUESTION 375
- (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

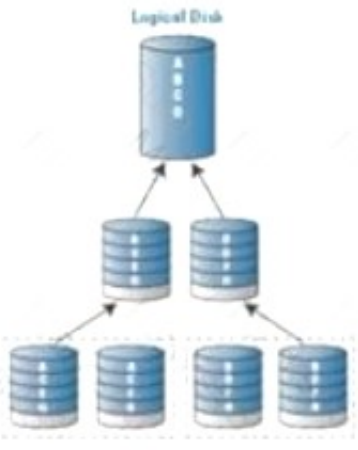
Answer: C

NEW QUESTION 379
- (Exam Topic 15)
Which of the following BEST describes the purpose of Border Gateway Protocol (BGP)?

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

Answer: B

NEW QUESTION 381
- (Exam Topic 15)
Which Redundant Array c/ Independent Disks (RAID) Level does the following diagram represent?



A. RAID 0
B. RAID 1
C. RAID 5
D. RAID 10

Answer: D

NEW QUESTION 385
- (Exam Topic 15)
a large organization uses biometrics to allow access to its facilities. It adjusts the biometric value for incorrectly granting or denying access so that the two numbers are the same.
What is this value called?

A. False Rejection Rate (FRR)
B. Accuracy acceptance threshold
C. Equal error rate
D. False Acceptance Rate (FAR)

Answer: C

NEW QUESTION 389
- (Exam Topic 15)
When performing an investigation with the potential for legal action, what should be the analyst's FIRST consideration?

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

Answer: A

NEW QUESTION 390
- (Exam Topic 15)
Write Once, Read Many (WORM) data storage devices are designed to BEST support which of the following core security concepts?

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

Answer: A

NEW QUESTION 393
- (Exam Topic 15)
Why would a system be structured to isolate different classes of information from one another and segregate them by user jurisdiction?

A. The organization can avoid e-discovery processes in the event of litigation.
B. The organization's infrastructure is clearly arranged and scope of responsibility is simplified.
C. The organization can vary its system policies to comply with conflicting national laws.
D. The organization is required to provide different services to various third-party organizations.

Answer: C

NEW QUESTION 398
- (Exam Topic 15)
When developing an organization's information security budget, it is important that the

A. expected risk can be managed appropriately with the funds allocated.
B. requested funds are at an equal amount to the expected cost of breaches.
C. requested funds are part of a shared funding pool with other areas.
D. expected risk to the organization does not exceed the funds allocated.

Answer: A

NEW QUESTION 401
- (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 406
- (Exam Topic 15)
An organization wants a service provider to authenticate users via the users' organization domain credentials. Which markup language should the organization's security personnel use to support the integration?

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

Answer: A

NEW QUESTION 407
- (Exam Topic 15)
A scan report returned multiple vulnerabilities affecting several production servers that are mission critical. Attempts to apply the patches in the development environment have caused the servers to crash. What is the BEST course of action?

A. Upgrade the software affected by the vulnerability.
B. Inform management of possible risks.
C. Mitigate the risks with compensating controls.
D. Remove the affected software from the servers.

Answer: C

NEW QUESTION 411

- (Exam Topic 15)
What is considered a compensating control for not having electrical surge protectors installed?

A. Having dual lines to network service providers built to the site
B. Having backup diesel generators installed to the site
C. Having a hot disaster recovery (DR) environment for the site
D. Having network equipment in active-active clusters at the site

Answer: D

NEW QUESTION 416
- (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 419
- (Exam Topic 15)
The security team is notified that a device on the network is infected with malware. Which of the following is MOST effective in enabling the device to be quickly located and remediated?

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

Answer: D

NEW QUESTION 424
- (Exam Topic 15)
Which of the following is the BEST method to gather evidence from a computer's hard drive?

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

Answer: D

NEW QUESTION 429
- (Exam Topic 15)
A security engineer is assigned to work with the patch and vulnerability management group. The deployment of a new patch has been approved and needs to be applied.
The research is complete, and the security engineer has provided recommendations. Where should the patch be applied FIRST?

A. Server environment
B. Desktop environment
C. Lower environment
D. Production environment

Answer: C

NEW QUESTION 433
- (Exam Topic 15)
Why are packet filtering routers used in low-risk environments?

A. They are high-resolution source discrimination and identification tools.
B. They are fast and flexible, and protect against Internet Protocol (IP) spoofing.
C. They are fast, flexible, and transparent.
D. They enforce strong user authentication and audit tog generation.

Answer: B

NEW QUESTION 438
- (Exam Topic 15)
A system developer has a requirement for an application to check for a secure digital signature before the application is accessed on a user's laptop. Which security mechanism addresses this requirement?

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

Answer: B

NEW QUESTION 439
- (Exam Topic 15)
Which of the following BEST describes the use of network architecture in reducing corporate risks associated with mobile devices?

A. Maintaining a "closed applications model on all mobile devices depends on demilitarized 2one (DM2) servers
B. Split tunneling enabled for mobile devices improves demilitarized zone (DMZ) security posture
C. Segmentation and demilitarized zone (DMZ) monitoring are implemented to secure a virtual private network (VPN) access for mobile devices
D. Applications that manage mobile devices are located in an Internet demilitarized zone (DMZ)

Answer: C

NEW QUESTION 441
- (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 445
- (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 447
- (Exam Topic 15)
Which of the following protects personally identifiable information (PII) used by financial services organizations?

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

Answer: B

NEW QUESTION 451
- (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 455
- (Exam Topic 15)
Which application type is considered high risk and provides a common way for malware and viruses to enter a network?

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

Answer: A

NEW QUESTION 457
- (Exam Topic 15)
Which of the following describes the BEST method of maintaining the inventory of software and hardware within the organization?

A. Maintaining the inventory through a combination of desktop configuration, administration management, and procurement management tools
B. Maintaining the inventory through a combination of asset owner interviews, open-source system management, and open-source management tools

C. Maintaining the inventory through a combination of on-premise storage configuration, cloud management, and partner management tools
D. Maintaining the inventory through a combination of system configuration, network management, and license management tools

Answer: C

NEW QUESTION 459
- (Exam Topic 15)
A security professional can BEST mitigate the risk of using a Commercial Off-The-Shelf (COTS) solution by deploying the application with which of the following controls in ?

A. Whitelisting application
B. Network segmentation
C. Hardened configuration
D. Blacklisting application

Answer: A

NEW QUESTION 462
- (Exam Topic 15)
What industry-recognized document could be used as a baseline reference that is related to data security and business operations for conducting a security assessment?

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

Answer: D

NEW QUESTION 467
- (Exam Topic 15)
In a quarterly system access review, an active privileged account was discovered that did not exist in the prior review on the production system. The account was created one hour after the previous access review. Which of the following is the BEST option to reduce overall risk in addition to quarterly access reviews?

A. Increase logging levels.
B. Implement bi-annual reviews.
C. Create policies for system access.
D. Implement and review risk-based alerts.

Answer: D

NEW QUESTION 469
- (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 471
- (Exam Topic 15)
Which of the following is the MOST secure protocol for zremote command access to the firewall?

A. Secure Shell (SSH)
B. Trivial File Transfer Protocol (TFTP)
C. Hypertext Transfer Protocol Secure (HTTPS)
D. Simple Network Management Protocol (SNMP) v1

Answer: A

NEW QUESTION 475
- (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 480

- (Exam Topic 15)
Which of the following BEST describes when an organization should conduct a black box security audit on a new software product?

A. When the organization wishes to check for non-functional compliance
B. When the organization wants to enumerate known security vulnerabilities across their infrastructure
C. When the organization has experienced a security incident
D. When the organization is confident the final source code is complete

Answer: B

NEW QUESTION 481
- (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 484
- (Exam Topic 15)
A security professional has reviewed a recent site assessment and has noted that a server room on the second floor of a building has Heating, Ventilation, and Air Conditioning (HVAC) intakes on the ground level that have ultraviolet light filters installed, Aero-K Fire suppression in the server room, and pre-action fire suppression on floors above the server room. Which of the following changes can the security professional recommend to reduce risk associated with these conditions?

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

Answer: C

NEW QUESTION 487
- (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 490
- (Exam Topic 15)
Which media sanitization methods should be used for data with a high security categorization?

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

Answer: D

NEW QUESTION 494
- (Exam Topic 15)
Which of the following is used to ensure that data mining activities Will NOT reveal sensitive data?

A. Implement two-factor authentication on the underlying infrastructure.
B. Encrypt data at the field level and tightly control encryption keys.
C. Preprocess the databases to see if inn …… can be disclosed from the learned patterns.
D. Implement the principle of least privilege on data elements so a reduced number of users can access the database.

Answer: D

NEW QUESTION 496
- (Exam Topic 15)
The security architect has been mandated to assess the security of various brands of mobile devices. At what phase of the product lifecycle would this be MOST likely to occur?

A. Disposal
B. Implementation
C. Development

D. Operations and maintenance

Answer: C

NEW QUESTION 497
- (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 500
- (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 505
- (Exam Topic 15)
In which of the following scenarios is locking server cabinets and limiting access to keys preferable to locking the server room to prevent unauthorized access?

A. Server cabinets are located in an unshared workspace.
B. Server cabinets are located in an isolated server farm.
C. Server hardware is located in a remote area.
D. Server cabinets share workspace with multiple projects.

Answer: D

NEW QUESTION 509
- (Exam Topic 15)
In an environment where there is not full administrative control over all network connected endpoints, such as a university where non-corporate devices are used, what is
the BEST way to restrict access to the network?

A. Use switch port security to limit devices connected to a particular switch port.
B. Use of virtual local area networks (VLAN) to segregate users.
C. Use a client-based Network Access Control (NAC) solution.
D. Use a clientless Network Access Control (NAC) solution

Answer: A

NEW QUESTION 514
- (Exam Topic 15)
When are security requirements the LEAST expensive to implement?

A. When identified by external consultants
B. During the application rollout phase
C. During each phase of the project cycle
D. When built into application design

Answer: D

NEW QUESTION 515
- (Exam Topic 15)
The Chief Information Officer (CIO) has decided that as part of business modernization efforts the organization will move towards a cloud architecture. All business-critical data will be migrated to either internal or external cloud services within the next two years. The CIO has a PRIMARY obligation to work with personnel in which role in order to ensure proper protection of data during and after the cloud migration?

A. Information owner
B. General Counsel
C. Chief Information Security Officer (CISO)
D. Chief Security Officer (CSO)

Answer: A

NEW QUESTION 519

- (Exam Topic 15)
Which is MOST important when negotiating an Internet service provider (ISP) service-level agreement (SLA) by an organization that solely provides Voice over Internet Protocol (VoIP) services?

A. Mean time to repair (MTTR)
B. Quality of Service (QoS) between applications
C. Availability of network services
D. Financial penalties in case of disruption

Answer: B

NEW QUESTION 520
- (Exam Topic 15)
A criminal organization is planning an attack on a government network. Which of the following scenarios presents the HIGHEST risk to the organization?

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

Answer: B

NEW QUESTION 525
- (Exam Topic 15)
Which of the following is a risk matrix?

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

Answer: C

NEW QUESTION 530
- (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 533
- (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 538
- (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 543
- (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 548
- (Exam Topic 15)
What should be used to determine the risks associated with using Software as a Service (SaaS) for collaboration and email?

A. Cloud access security broker (CASB)
B. Open Web Application Security Project (OWASP)
C. Process for Attack Simulation and Threat Analysis (PASTA)
D. Common Security Framework (CSF)

Answer: A

NEW QUESTION 550
- (Exam Topic 15)
Which of the following is the MOST effective strategy to prevent an attacker from disabling a network?

A. Test business continuity and disaster recovery (DR) plans.
B. Design networks with the ability to adapt, reconfigure, and fail over.
C. Implement network segmentation to achieve robustness.
D. Follow security guidelines to prevent unauthorized network access.

Answer: D

NEW QUESTION 555
- (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 556
- (Exam Topic 15)
How should the retention period for an organization's social media content be defined?

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

Answer: C

NEW QUESTION 560
- (Exam Topic 15)
The initial security categorization should be done early in the system life cycle and should be reviewed periodically. Why is it important for this to be done correctly?

A. It determines the security requirements.
B. It affects other steps in the certification and accreditation process.
C. It determines the functional and operational requirements.
D. The system engineering process works with selected security controls.

Answer: B

NEW QUESTION 561
- (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 565
- (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 568
- (Exam Topic 15)
Which of the following is the BEST method to validate secure coding techniques against injection and overflow attacks?

A. Scheduled team review of coding style and techniques for vulnerability patterns
B. Using automated programs to test for the latest known vulnerability patterns
C. The regular use of production code routines from similar applications already in use
D. Ensure code editing tools are updated against known vulnerability patterns

Answer: B

NEW QUESTION 569
- (Exam Topic 15)
Which of the following is the MAIN benefit of off-site storage?

A. Cost effectiveness
B. Backup simplicity
C. Fast recovery
D. Data availability

Answer: A

NEW QUESTION 574
- (Exam Topic 15)
A large organization’s human resources and security teams are planning on implementing technology to eliminate manual user access reviews and improve compliance. Which of the following options is MOST likely to resolve the issues associated with user access?

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

Answer: B

NEW QUESTION 576
- (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 579
- (Exam Topic 14)
What is the MOST effective way to determine a mission critical asset in an organization?

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

Answer: B

NEW QUESTION 583
- (Exam Topic 15)
A security professional has been requested by the Board of Directors and Chief Information Security Officer (CISO) to perform an internal and external penetration test. What is the BEST course of action?

A. Review data localization requirements and regulations.
B. Review corporate security policies and procedures,
C. With notice to the Configuring a Wireless Access Point (WAP) with the same Service Set Identifier external test.
D. With notice to the organization, perform an external penetration test first, then an internal test.

Answer: D

NEW QUESTION 588

- (Exam Topic 15)
Building blocks for software-defined networks (SDN) require which of the following?

A. The SDN is mostly composed of virtual machines (VM).
B. The SDN is composed entirely of client-server pairs.
C. Virtual memory is used in preference to random-access memory (RAM).
D. Random-access memory (RAM) is used in preference to virtual memory.

Answer: C

NEW QUESTION 592
- (Exam Topic 14)
Which of the following is the MOST important consideration that must be taken into account when deploying an enterprise patching solution that includes mobile devices?

A. Service provider(s) utilized by the organization
B. Whether it will impact personal use
C. Number of mobile users in the organization
D. Feasibility of downloads due to available bandwidth

Answer: C

NEW QUESTION 593
- (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 595
- (Exam Topic 14)
In a dispersed network that lacks central control, which of the following is die PRIMARY course of action to mitigate exposure?

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

Answer: C

NEW QUESTION 597
- (Exam Topic 14)
When developing the entitlement review process, which of the following roles is responsible for determining who has a need for the information?

A. Data Custodian
B. Data Owner
C. Database Administrator
D. Information Technology (IT) Director

Answer: B

NEW QUESTION 598
- (Exam Topic 14)
Which of the following is TRUE regarding equivalence class testing?

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

Answer: C

NEW QUESTION 600
- (Exam Topic 14)
Activity to baseline, tailor, and scope security controls tikes place dring which National Institute of Standards and Technology (NIST) Risk Management Framework (RMF) step?

A. Authorize IS.
B. Assess security controls.
C. Categorize Information system (IS).
D. Select security controls.

Answer: D

NEW QUESTION 603
- (Exam Topic 14)
Which of the following is used to support the concept of defense in depth during the development phase of a software product?

A. Maintenance hooks
B. Polyinstiation
C. Known vulnerability list
D. Security auditing

Answer: B

NEW QUESTION 608
- (Exam Topic 14)
Which of the following is the PRIMARY risk associated with Extensible Markup Language (XML) applications?

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

Answer: A

NEW QUESTION 612
- (Exam Topic 14)
Why should Open Web Application Security Project (OWASP) Application Security Verification standards (ASVS) Level 1 be considered a MINIMUM level of protection for any web application?

A. ASVS Level 1 ensures that applications are invulnerable to OWASP top 10 threats.
B. Opportunistic attackers will look for any easily exploitable vulnerable applications.
C. Most regulatory bodies consider ASVS Level 1 as a baseline set of controls for applications.
D. Securing applications at ASVS Level 1 provides adequate protection for sensitive data.

Answer: B

NEW QUESTION 615
- (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 618
- (Exam Topic 14)
For the purpose of classification, which of the following is used to divide trust domain and trust boundaries?

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

Answer: A

NEW QUESTION 623
- (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 625
- (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 626
- (Exam Topic 14)
Physical assets defined in an organization's Business Impact Analysis (BIA) could include which of the following?

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

Answer: B

NEW QUESTION 629
- (Exam Topic 14)
A large corporation is looking for a solution to automate access based on where the request is coming from, who the user is, what device they are connecting with, and what and time of day they are attempting this access. What type of solution would suit their needs?

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

Answer: B

NEW QUESTION 632
- (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 636
- (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 637
- (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 638
- (Exam Topic 14)
Additional padding may be added to toe Encapsulating Security Protocol (ESP) b trailer to provide which of the following?

A. Access control
B. Partial traffic flow confidentiality
C. Protection against replay attack
D. Data origin authentication

Answer: C

NEW QUESTION 641
- (Exam Topic 14)
Which of the following is mobile device remote fingerprinting?

A. Installing an application to retrieve common characteristics of the device
B. Storing information about a remote device in a cookie file

C. Identifying a device based on common characteristics shared by all devices of a certain type
D. Retrieving the serial number of the mobile device

Answer: C

NEW QUESTION 643
- (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 647
- (Exam Topic 14)
A security practitioner has been tasked with establishing organizational asset handling procedures. What should be considered that would have the GRFATEST impact to the development of these procedures?

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

Answer: D

NEW QUESTION 648
- (Exam Topic 14)
Which of the following is the PRIMARY mechanism used to limit the range of objects available to a given subject within different execution domains?

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

Answer: C

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

NEW QUESTION 649
- (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 651
- (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 654
- (Exam Topic 14)
Limiting the processor, memory, and Input/output (I/O) capabilities of mobile code is known as

A. code restriction.
B. on-demand compile.
C. sandboxing.
D. compartmentalization.

Answer: C

NEW QUESTION 656
- (Exam Topic 14)
Which of the following will have the MOST influence on the definition and creation of data classification and data ownership policies?

A. Data access control policies
B. Threat modeling
C. Common Criteria (CC)
D. Business Impact Analysis (BIA)

Answer: A

NEW QUESTION 660
- (Exam Topic 14)
Which of the following is used to detect steganography?

A. Audio analysis
B. Statistical analysis
C. Reverse engineering
D. Cryptanalysis

Answer: C

NEW QUESTION 663
- (Exam Topic 14)
What testing technique enables the designer to develop mitigation strategies for potential vulnerabilities?

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

Answer: C

NEW QUESTION 667
- (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 672
- (Exam Topic 14)
Which of the following authorization standards is built to handle Application Programming Interface (API) access for Federated Identity Management (FIM)?

A. Security Assertion Markup Language (SAML)
B. Open Authentication (OAUTH)
C. Remote Authentication Dial-in User service (RADIUS)
D. Terminal Access Control Access Control System Plus (TACACS+)

Answer: B

NEW QUESTION 677
- (Exam Topic 14)
Which is the RECOMMENDED configuration mode for sensors for an intrusion prevention system (IPS) if the prevention capabilities will be used?

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

Answer: C

NEW QUESTION 682
- (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 686
- (Exam Topic 14)
Which of the following is the MOST effective countermeasure against Man-in-the Middle (MITM) attacks while using online banking?

A. Transport Layer Security (TLS)
B. Secure Sockets Layer (SSL)
C. Pretty Good Privacy (PGP)
D. Secure Shell (SSH)

Answer: A

NEW QUESTION 688
- (Exam Topic 14)
An organization operates a legacy Industrial Control System (ICS) to support its core business service, which carrot be replaced. Its management MUST be performed remotely through an administrative console software, which in tum depends on an old version of the Java Runtime Environment (JPE) known to be vulnerable to a number of attacks, How is this risk BEST managed?

A. Isolate the full ICS by moving It onto its own network segment
B. Air-gap and harden the host used for management purposes
C. Convince the management to decommission the ICS and mitigate to a modem technology
D. Deploy a restrictive proxy between all clients and the vulnerable management station

Answer: B

NEW QUESTION 690
- (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 693
- (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 694
- (Exam Topic 14)
An organization discovers that its secure file transfer protocol (SFTP) server has been accessed by an unauthorized person to download an unreleased game. A recent security audit found weaknesses in some of the organization's general information technology (IT) controls, specifically pertaining to software change control and security patch management, but not in other control areas.
Which of the following is the MOST probable attack vector used in the security breach?

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

Answer: A

NEW QUESTION 698
- (Exam Topic 14)
Which of the following MUST a security professional do in order to quantify the value of a security program to organization management?

A. Report using metrics.
B. Rank priorities as high, medium, or low.
C. Communicate compliance obstacles.
D. Report en employee activities

Answer: A

NEW QUESTION 701
- (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 702
- (Exam Topic 14)
Which of the following job functions MUST be separated to maintain data and application integrity?

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

Answer: D

NEW QUESTION 704
- (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 705
- (Exam Topic 14)
Which of the following open source software issues pose the MOST risk to an application?

A. The software is beyond end of life and the vendor is out of business.
B. The software is not used or popular in the development community.
C. The software has multiple Common Vulnerabilities and Exposures (CVE) and only some are remediated.
D. The software has multiple Common Vulnerabilities and Exposures (CVE) but the CVEs are classified as low risks.

Answer: D

NEW QUESTION 707
- (Exam Topic 14)
When a flaw in Industrial control (ICS) software is discovered, what is the GREATEST impediment to deploying a patch?

A. Many IG systems have software that is no longer being maintained by the venders.
B. Compensating controls may impact IG performance.
C. Testing a patch in an IG may require more resources than the organization can commit.
D. vendors are required to validate the operability patches.

Answer: D

NEW QUESTION 709
- (Exam Topic 14)
An organization is outsourcing its payroll system and is requesting to conduct a full audit on the third-party information technology (IT) systems. During the due diligence process, the third party provides previous audit report on its IT system.
Which of the following MUST be considered by the organization in order for the audit reports to be acceptable?

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

Answer: A

NEW QUESTION 710
- (Exam Topic 14)
What is the PRIMARY benefit of analyzing the partition layout of a hard disk volume when performing forensic analysis?

A. Sectors which are not assigned to a perform may contain data that was purposely hidden.
B. Volume address information for he hard disk may have been modified.
C. partition tables which are not completely utilized may contain data that was purposely hidden
D. Physical address information for the hard disk may have been modified.

Answer: A

NEW QUESTION 712

- (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

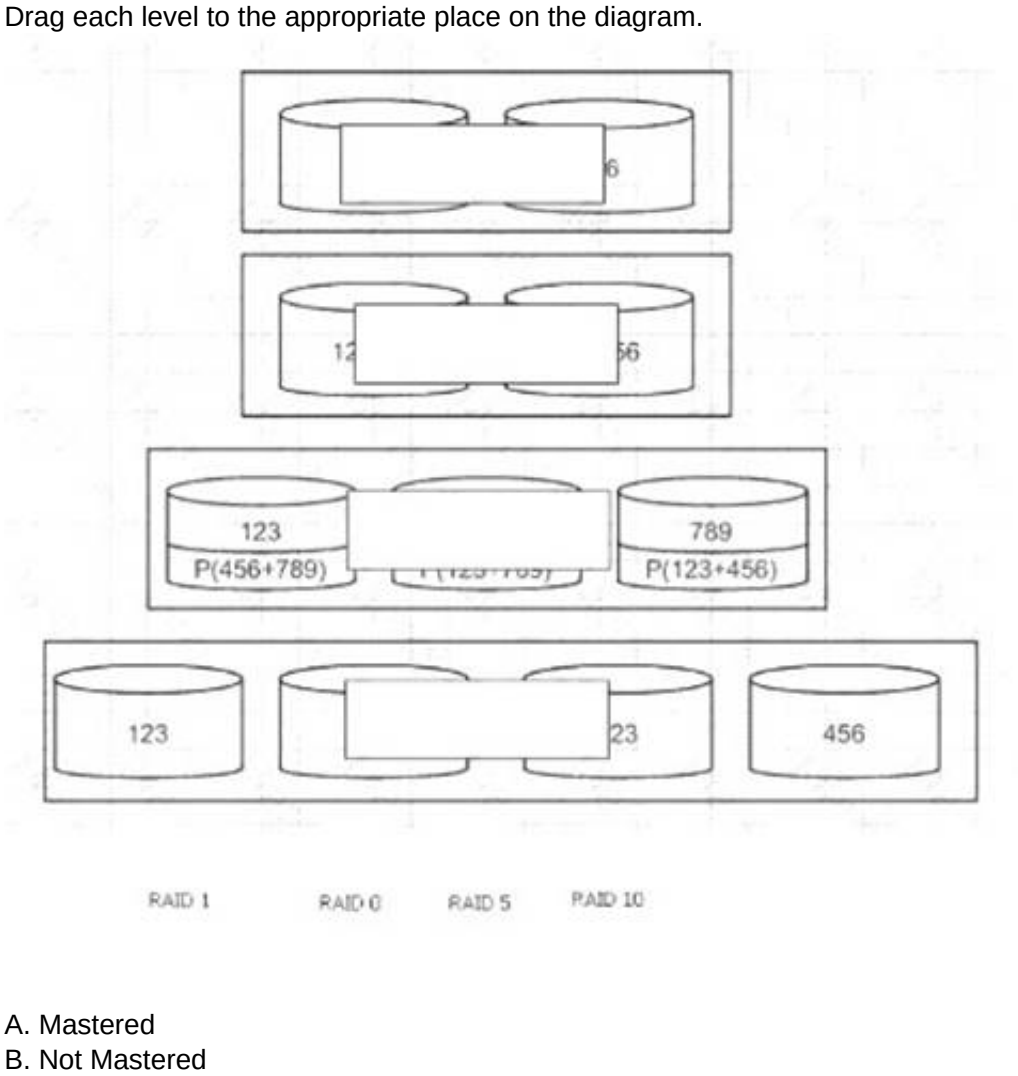
Answer: D

NEW QUESTION 715
- (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

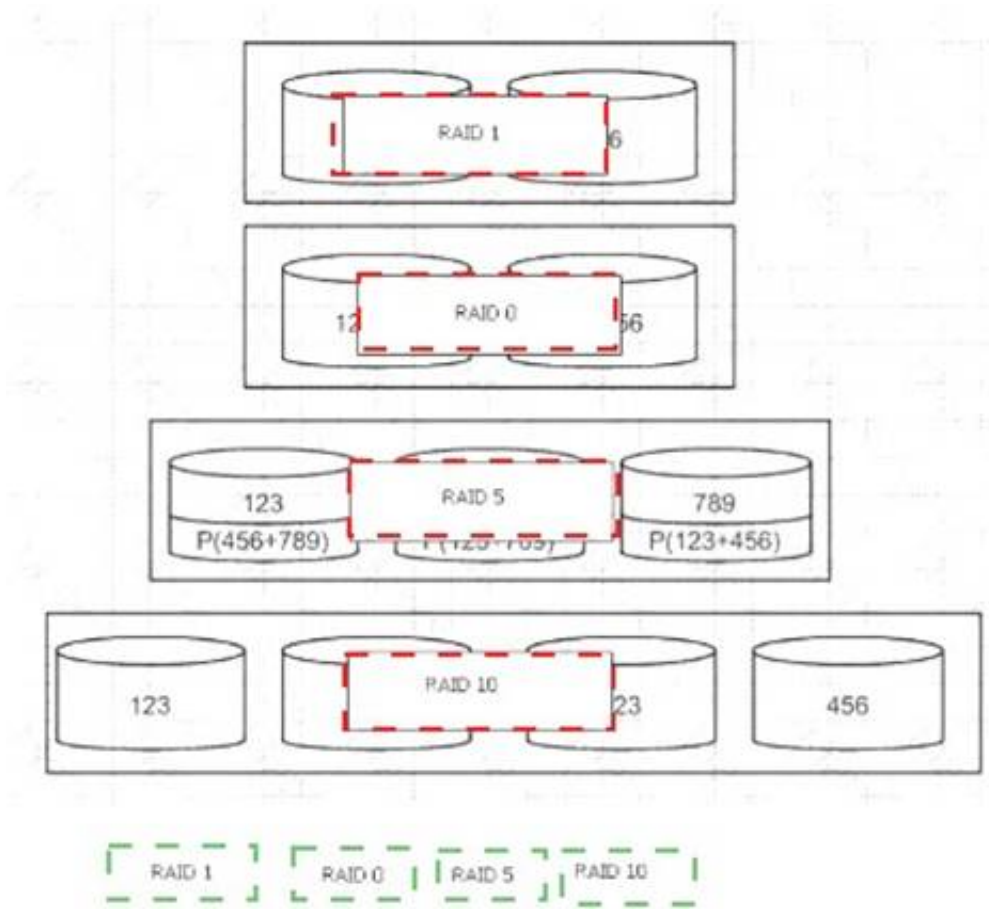
NEW QUESTION 719
- (Exam Topic 14)
Given a file containing ordered number, i.e. “123456789,” match each of the following redundant Array of independent Disks (RAID) levels to the corresponding visual representation visual representation. Note: P() = parity.
Drag each level to the appropriate place on the diagram.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 721
- (Exam Topic 14)
How can a security engineer maintain network separation from a secure environment while allowing remote users to work in the secure environment?

A. Use a Virtual Local Area Network (VLAN) to segment the network
B. Implement a bastion host
C. Install anti-virus on all enceinte
D. Enforce port security on access switches

Answer: A

NEW QUESTION 723
- (Exam Topic 14)
If virus infection is suspected, which of the following is the FIRST step for the user to take?

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

Answer: C

NEW QUESTION 728
- (Exam Topic 14)
Which of the following security testing strategies is BEST suited for companies with low to moderate security maturity?

A. Load Testing
B. White-box testing
C. Black -box testing
D. Performance testing

Answer: B

NEW QUESTION 732
- (Exam Topic 14)
In fault-tolerant systems, what do rollback capabilities permit?

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

Answer: A

NEW QUESTION 734
- (Exam Topic 14)
An organization implements a Remote Access Server (RAS). Once users correct to the server, digital certificates are used to authenticate their identity. What type of Extensible Authentication Protocol (EAP) would the organization use dring this authentication?

A. Transport layer security (TLS)

B. Message Digest 5 (MD5)
C. Lightweight Extensible Authentication Protocol (EAP)
D. Subscriber Identity Module (SIM)

Answer: A

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)
What is the BEST way to correlate large volumes of disparate data sources in a Security Operations Center (SOC) environment?

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

Answer: B

NEW QUESTION 742
- (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 745
- (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 746
- (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 750
- (Exam Topic 14)
Which of the following features is MOST effective in mitigating against theft of data on a corporate mobile device Which has stolen?

A. Whole device encryption with key escrow
B. Mobile Device Management (MDMJ with device wipe
C. Mobile device tracking with geolocation
D. Virtual Private Network (VPN) with traffic encryption

Answer: B

NEW QUESTION 755
- (Exam Topic 14)
Which of the following threats exists with an implementation of digital signatures?

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

Answer: A

NEW QUESTION 759
- (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 762
- (Exam Topic 14)
Which of the following phases involves researching a target's configuration from public sources when performing a penetration test?

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

Answer: A

NEW QUESTION 767
- (Exam Topic 14)
Which of the following is a peor entity authentication method for Point-to-Point Protocol (PPP)?

A. Challenge Handshake Authentication Protocol (CHAP)
B. Message Authentication Code (MAC)
C. Transport Layer Security (TLS) handshake protocol
D. Challenge-response authentication mechanism

Answer: A

NEW QUESTION 770
- (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 774
- (Exam Topic 14)
Which of the following media is least problematic with data remanence?

A. Magnetic disk
B. Electrically Erasable Programming read-only Memory (EEPROM)
C. Dynamic Random Access Memory (DRAM)
D. Flash memory

Answer: C

NEW QUESTION 779
- (Exam Topic 14)
Which of the following will help identify the source internet protocol (IP) address of malware being exected on a computer?

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

Answer:

A

NEW QUESTION 783
- (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 784
- (Exam Topic 14)
When designing on Occupent Emergency plan (OEP) for United states (US) Federal government facilities, what factor must be considered?

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

Answer: A

NEW QUESTION 789
- (Exam Topic 14)
Following a penetration test, what should an organization do FIRST?

A. Review all security policies and procedures.
B. Ensure staff is trained in security.
C. Determine if you need to conduct a full security assessment.
D. Evaluate the problems identified in the test result.

Answer: D

NEW QUESTION 794
- (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 799
- (Exam Topic 14)
Which of the following is the MOST important action regarding authentication?

A. Granting access rights
B. Enrolling in the system
C. Establishing audit controls
D. Obtaining executive authorization

Answer: B

NEW QUESTION 803
- (Exam Topic 14)
When can a security program be considered effective?

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

Answer: C

NEW QUESTION 807
- (Exam Topic 14)
Which of the following is the PRIMARY security consideration for how an organization should handle Information Technology (IT) assets?

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

Answer: D

NEW QUESTION 810
- (Exam Topic 14)
The adoption of an enterprise-wide business continuity program requires Which of the following?

A. Good communication throughout the organization
B. Formation of Disaster Recovery (DP) project team
C. A completed Business Impact Analysis (BIA)
D. Well-documented information asset classification

Answer: D

NEW QUESTION 814
- (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 817
- (Exam Topic 14)
A development operations team would like to start building new applications delegating the cybersecurity responsibility as much as possible to the service provider. Which of the following environments BEST fits their need?

A. Cloud Virtual Machines (VM)
B. Cloud application container within a Virtual Machine (VM)
C. On premises Virtual Machine (VM)
D. Self-hosted Virtual Machine (VM)

Answer: A

NEW QUESTION 821
- (Exam Topic 14)
Which of the following is the BEST way to protect against structured Query language (SQL) injection?

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

Answer: D

NEW QUESTION 825
- (Exam Topic 14)
When would an organization review a Business Continuity Management (BCM) system?

A. When major changes occur on systems
B. When personnel changes occur
C. Before and after Disaster Recovery (DR) tests
D. At planned intervals

Answer: D

NEW QUESTION 827
- (Exam Topic 14)
Which of the following is MOST important when determining appropriate countermeasures for an identified risk?

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

Answer: C

NEW QUESTION 830
- (Exam Topic 14)

Which of the following is the MOST significant benefit to implementing a third-party federated identity architecture?

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

Answer: C

NEW QUESTION 834
- (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 838
- (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 840
- (Exam Topic 14)
Individual access to a network is BEST determined based on

A. risk matrix.
B. value of the data.
C. business need.
D. data classification.

Answer: C

NEW QUESTION 845
- (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 850
- (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 854
- (Exam Topic 14)
Which of the following needs to be taken into account when assessing vulnerability?

A. Risk identification and validation
B. Threat mapping
C. Risk acceptance criteria
D. Safeguard selection

Answer: A

Explanation:

Reference: https://books.google.com.pk/books?id=9gCn86CmsNQC&pg=PA478&lpg=PA478&dq=CISSP+taken+into+acc

NEW QUESTION 858
- (Exam Topic 14)
Which of the following techniques BEST prevents buffer overflows?

A. Boundary and perimeter offset
B. Character set encoding
C. Code auditing
D. Variant type and bit length

Answer: B

Explanation:
Some products installed on systems can also watch for input values that might result in buffer overflows, but the best countermeasure is proper programming. This means use bounds checking. If an input value is only sup-posed to be nine characters, then the application should only accept nine characters and no more. Some languages are more susceptible to buffer overflows than others, so programmers should understand these issues, use the right languages for the right purposes, and carry out code review to identify buffer overflow vulnerabilities.

NEW QUESTION 862
.....

Relate Links

100% Pass Your CISSP Exam with Exambible Prep Materials

https://www.exambible.com/CISSP-exam/

Contact us

We are proud of our high-quality customer service, which serves you around the clock 24/7.

Viste - https://www.exambible.com/