



ISC2

Exam Questions CISSP

Certified Information Systems Security Professional (CISSP)

NEW QUESTION 1

- (Exam Topic 1)

When assessing an organization's security policy according to standards established by the International Organization for Standardization (ISO) 27001 and 27002, when can management responsibilities be defined?

- A. Only when assets are clearly defined
- B. Only when standards are defined
- C. Only when controls are put in place
- D. Only procedures are defined

Answer: A

NEW QUESTION 2

- (Exam Topic 1)

Which of the following represents the GREATEST risk to data confidentiality?

- A. Network redundancies are not implemented
- B. Security awareness training is not completed
- C. Backup tapes are generated unencrypted
- D. Users have administrative privileges

Answer: C

NEW QUESTION 3

- (Exam Topic 1)

Which of the following types of technologies would be the MOST cost-effective method to provide a reactive control for protecting personnel in public areas?

- A. Install mantraps at the building entrances
- B. Enclose the personnel entry area with polycarbonate plastic
- C. Supply a duress alarm for personnel exposed to the public
- D. Hire a guard to protect the public area

Answer: D

NEW QUESTION 4

- (Exam Topic 1)

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

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

Answer: C

NEW QUESTION 5

- (Exam Topic 2)

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

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

Answer: B

NEW QUESTION 6

- (Exam Topic 2)

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

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

Answer: C

NEW QUESTION 7

- (Exam Topic 2)

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

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

Answer: A

NEW QUESTION 8

- (Exam Topic 2)

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

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

Answer: B

NEW QUESTION 9

- (Exam Topic 2)

An organization has doubled in size due to a rapid market share increase. The size of the Information Technology (IT) staff has maintained pace with this growth. The organization hires several contractors whose onsite time is limited. The IT department has pushed its limits building servers and rolling out workstations and has a backlog of account management requests.

Which contract is BEST in offloading the task from the IT staff?

- A. Platform as a Service (PaaS)
- B. Identity as a Service (IDaaS)
- C. Desktop as a Service (DaaS)
- D. Software as a Service (SaaS)

Answer: B

NEW QUESTION 10

- (Exam Topic 3)

The use of private and public encryption keys is fundamental in the implementation of which of the following?

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

Answer: A

NEW QUESTION 10

- (Exam Topic 4)

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

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

Answer: A

NEW QUESTION 14

- (Exam Topic 4)

What is the purpose of an Internet Protocol (IP) spoofing attack?

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

Answer: D

NEW QUESTION 17

- (Exam Topic 5)

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

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

Answer: C

NEW QUESTION 19

- (Exam Topic 5)

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

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

Answer: B

NEW QUESTION 20

- (Exam Topic 6)

Which of the following could cause a Denial of Service (DoS) against an authentication system?

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

Answer: D

NEW QUESTION 23

- (Exam Topic 6)

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

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

Answer: A

NEW QUESTION 25

- (Exam Topic 6)

Which of the following is a PRIMARY benefit of using a formalized security testing report format and structure?

- A. Executive audiences will understand the outcomes of testing and most appropriate next steps for corrective actions to be taken
- B. Technical teams will understand the testing objectives, testing strategies applied, and business risk associated with each vulnerability
- C. Management teams will understand the testing objectives and reputational risk to the organization
- D. Technical and management teams will better understand the testing objectives, results of each test phase, and potential impact levels

Answer: D

NEW QUESTION 30

- (Exam Topic 7)

A Business Continuity Plan/Disaster Recovery Plan (BCP/DRP) will provide which of the following?

- A. Guaranteed recovery of all business functions
- B. Minimization of the need decision making during a crisis
- C. Insurance against litigation following a disaster
- D. Protection from loss of organization resources

Answer: D

NEW QUESTION 33

- (Exam Topic 7)

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

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

Answer: D

NEW QUESTION 36

- (Exam Topic 7)

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

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

Answer: D

NEW QUESTION 40

- (Exam Topic 7)

With what frequency should monitoring of a control occur when implementing Information Security Continuous Monitoring (ISCM) solutions?

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

Answer: B

NEW QUESTION 45

- (Exam Topic 7)

What is the PRIMARY reason for implementing change management?

- A. Certify and approve releases to the environment
- B. Provide version rollbacks for system changes
- C. Ensure that all applications are approved
- D. Ensure accountability for changes to the environment

Answer: D

NEW QUESTION 49

- (Exam Topic 7)

When is a Business Continuity Plan (BCP) considered to be valid?

- A. When it has been validated by the Business Continuity (BC) manager
- B. When it has been validated by the board of directors
- C. When it has been validated by all threat scenarios
- D. When it has been validated by realistic exercises

Answer: D

NEW QUESTION 53

- (Exam Topic 8)

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

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

Answer: B

NEW QUESTION 55

- (Exam Topic 9)

Which of the following is a method used to prevent Structured Query Language (SQL) injection attacks?

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

Answer: D

NEW QUESTION 60

- (Exam Topic 9)

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

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

Answer: A

NEW QUESTION 65

- (Exam Topic 9)

Which of the following is the FIRST action that a system administrator should take when it is revealed during a penetration test that everyone in an organization has unauthorized access to a server holding sensitive data?

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

Answer:

A

NEW QUESTION 69

- (Exam Topic 9)

Which of the following is ensured when hashing files during chain of custody handling?

- A. Availability
- B. Accountability
- C. Integrity
- D. Non-repudiation

Answer: C

NEW QUESTION 71

- (Exam Topic 9)

Which of the following is a limitation of the Common Vulnerability Scoring System (CVSS) as it relates to conducting code review?

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

Answer: C

NEW QUESTION 75

- (Exam Topic 9)

To prevent inadvertent disclosure of restricted information, which of the following would be the LEAST effective process for eliminating data prior to the media being discarded?

- A. Multiple-pass overwriting
- B. Degaussing
- C. High-level formatting
- D. Physical destruction

Answer: C

NEW QUESTION 77

- (Exam Topic 9)

Which one of the following is a threat related to the use of web-based client side input validation?

- A. Users would be able to alter the input after validation has occurred
- B. The web server would not be able to validate the input after transmission
- C. The client system could receive invalid input from the web server
- D. The web server would not be able to receive invalid input from the client

Answer: A

NEW QUESTION 82

- (Exam Topic 9)

Contingency plan exercises are intended to do which of the following?

- A. Train personnel in roles and responsibilities
- B. Validate service level agreements
- C. Train maintenance personnel
- D. Validate operation metrics

Answer: A

NEW QUESTION 86

- (Exam Topic 9)

Which of the following is a physical security control that protects Automated Teller Machines (ATM) from skimming?

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

Answer: A

NEW QUESTION 91

- (Exam Topic 9)

Which one of the following transmission media is MOST effective in preventing data interception?

- A. Microwave
- B. Twisted-pair
- C. Fiber optic

D. Coaxial cable

Answer: C

NEW QUESTION 95

- (Exam Topic 9)

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

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

Answer: B

NEW QUESTION 100

- (Exam Topic 9)

The Structured Query Language (SQL) implements Discretionary Access Controls (DAC) using

- A. INSERT and DELETE.
- B. GRANT and REVOKE.
- C. PUBLIC and PRIVATE.
- D. ROLLBACK and TERMINATE.

Answer: B

NEW QUESTION 101

- (Exam Topic 9)

The stringency of an Information Technology (IT) security assessment will be determined by the

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

Answer: C

NEW QUESTION 102

- (Exam Topic 9)

Which of the following is considered best practice for preventing e-mail spoofing?

- A. Spam filtering
- B. Cryptographic signature
- C. Uniform Resource Locator (URL) filtering
- D. Reverse Domain Name Service (DNS) lookup

Answer: B

NEW QUESTION 105

- (Exam Topic 9)

Including a Trusted Platform Module (TPM) in the design of a computer system is an example of a technique to what?

- A. Interface with the Public Key Infrastructure (PKI)
- B. Improve the quality of security software
- C. Prevent Denial of Service (DoS) attacks
- D. Establish a secure initial state

Answer: D

NEW QUESTION 106

- (Exam Topic 9)

Which one of these risk factors would be the LEAST important consideration in choosing a building site for a new computer facility?

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

Answer: C

NEW QUESTION 110

- (Exam Topic 9)

Multi-threaded applications are more at risk than single-threaded applications to

- A. race conditions.

- B. virus infection.
- C. packet sniffing.
- D. database injection.

Answer: A

NEW QUESTION 114

- (Exam Topic 9)

Which of the following is an attacker MOST likely to target to gain privileged access to a system?

- A. Programs that write to system resources
- B. Programs that write to user directories
- C. Log files containing sensitive information
- D. Log files containing system calls

Answer: A

NEW QUESTION 115

- (Exam Topic 9)

Which of the following is an authentication protocol in which a new random number is generated uniquely for each login session?

- A. Challenge Handshake Authentication Protocol (CHAP)
- B. Point-to-Point Protocol (PPP)
- C. Extensible Authentication Protocol (EAP)
- D. Password Authentication Protocol (PAP)

Answer: A

NEW QUESTION 117

- (Exam Topic 9)

As one component of a physical security system, an Electronic Access Control (EAC) token is BEST known for its ability to

- A. overcome the problems of key assignments.
- B. monitor the opening of windows and doors.
- C. trigger alarms when intruders are detected.
- D. lock down a facility during an emergency.

Answer: A

NEW QUESTION 119

- (Exam Topic 9)

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

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

Answer: A

NEW QUESTION 124

- (Exam Topic 9)

An organization is selecting a service provider to assist in the consolidation of multiple computing sites including development, implementation and ongoing support of various computer systems. Which of the following MUST be verified by the Information Security Department?

- A. The service provider's policies are consistent with ISO/IEC27001 and there is evidence that the service provider is following those policies.
- B. The service provider will segregate the data within its systems and ensure that each region's policies are met.
- C. The service provider will impose controls and protections that meet or exceed the current systems controls and produce audit logs as verification.
- D. The service provider's policies can meet the requirements imposed by the new environment even if they differ from the organization's current policies.

Answer: D

NEW QUESTION 128

- (Exam Topic 9)

Which of the following is a security feature of Global Systems for Mobile Communications (GSM)?

- A. It uses a Subscriber Identity Module (SIM) for authentication.
- B. It uses encrypting techniques for all communications.
- C. The radio spectrum is divided with multiple frequency carriers.
- D. The signal is difficult to read as it provides end-to-end encryption.

Answer: A

NEW QUESTION 129

- (Exam Topic 9)

An auditor carrying out a compliance audit requests passwords that are encrypted in the system to verify that the passwords are compliant with policy. Which of the following is the BEST response to the auditor?

- A. Provide the encrypted passwords and analysis tools to the auditor for analysis.
- B. Analyze the encrypted passwords for the auditor and show them the results.
- C. Demonstrate that non-compliant passwords cannot be created in the system.
- D. Demonstrate that non-compliant passwords cannot be encrypted in the system.

Answer: C

NEW QUESTION 130

- (Exam Topic 9)

Which of the following statements is TRUE for point-to-point microwave transmissions?

- A. They are not subject to interception due to encryption.
- B. Interception only depends on signal strength.
- C. They are too highly multiplexed for meaningful interception.
- D. They are subject to interception by an antenna within proximity.

Answer: D

NEW QUESTION 131

- (Exam Topic 9)

Which one of the following describes granularity?

- A. Maximum number of entries available in an Access Control List (ACL)
- B. Fineness to which a trusted system can authenticate users
- C. Number of violations divided by the number of total accesses
- D. Fineness to which an access control system can be adjusted

Answer: D

NEW QUESTION 136

- (Exam Topic 9)

The BEST way to check for good security programming practices, as well as auditing for possible backdoors, is to conduct

- A. log auditing.
- B. code reviews.
- C. impact assessments.
- D. static analysis.

Answer: B

NEW QUESTION 139

- (Exam Topic 9)

Which of the following is a security limitation of File Transfer Protocol (FTP)?

- A. Passive FTP is not compatible with web browsers.
- B. Anonymous access is allowed.
- C. FTP uses Transmission Control Protocol (TCP) ports 20 and 21.
- D. Authentication is not encrypted.

Answer: D

NEW QUESTION 143

- (Exam Topic 9)

Which of the following can BEST prevent security flaws occurring in outsourced software development?

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

Answer: C

NEW QUESTION 145

- (Exam Topic 9)

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

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

Answer: A

NEW QUESTION 147

- (Exam Topic 9)

The Hardware Abstraction Layer (HAL) is implemented in the

- A. system software.
- B. system hardware.
- C. application software.
- D. network hardware.

Answer: A

NEW QUESTION 152

- (Exam Topic 9)

Which one of the following is a fundamental objective in handling an incident?

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

Answer: A

NEW QUESTION 153

- (Exam Topic 9)

Alternate encoding such as hexadecimal representations is MOST often observed in which of the following forms of attack?

- A. Smurf
- B. Rootkit exploit
- C. Denial of Service (DoS)
- D. Cross site scripting (XSS)

Answer: D

NEW QUESTION 158

- (Exam Topic 9)

Which of the following would be the FIRST step to take when implementing a patch management program?

- A. Perform automatic deployment of patches.
- B. Monitor for vulnerabilities and threats.
- C. Prioritize vulnerability remediation.
- D. Create a system inventory.

Answer: D

NEW QUESTION 161

- (Exam Topic 9)

When implementing controls in a heterogeneous end-point network for an organization, it is critical that

- A. hosts are able to establish network communications.
- B. users can make modifications to their security software configurations.
- C. common software security components be implemented across all hosts.
- D. firewalls running on each host are fully customizable by the user.

Answer: C

NEW QUESTION 162

- (Exam Topic 9)

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

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

Answer: C

NEW QUESTION 164

- (Exam Topic 9)

What maintenance activity is responsible for defining, implementing, and testing updates to application systems?

- A. Program change control
- B. Regression testing
- C. Export exception control
- D. User acceptance testing

Answer:

A

NEW QUESTION 167

- (Exam Topic 9)

When designing a networked Information System (IS) where there will be several different types of individual access, what is the FIRST step that should be taken to ensure all access control requirements are addressed?

- A. Create a user profile.
- B. Create a user access matrix.
- C. Develop an Access Control List (ACL).
- D. Develop a Role Based Access Control (RBAC) list.

Answer: B

NEW QUESTION 170

- (Exam Topic 9)

Which of the following is a potential risk when a program runs in privileged mode?

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

Answer: D

NEW QUESTION 174

- (Exam Topic 9)

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

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

Answer: B

NEW QUESTION 175

- (Exam Topic 9)

When constructing an Information Protection Policy (IPP), it is important that the stated rules are necessary, adequate, and

- A. flexible.
- B. confidential.
- C. focused.
- D. achievable.

Answer: D

NEW QUESTION 177

- (Exam Topic 9)

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

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

Answer: A

NEW QUESTION 181

- (Exam Topic 9)

Which of the following does Temporal Key Integrity Protocol (TKIP) support?

- A. Multicast and broadcast messages
- B. Coordination of IEEE 802.11 protocols
- C. Wired Equivalent Privacy (WEP) systems
- D. Synchronization of multiple devices

Answer: C

NEW QUESTION 186

- (Exam Topic 9)

The goal of software assurance in application development is to

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

D. encourage the development of open source applications.

Answer: C

NEW QUESTION 188

- (Exam Topic 9)

An engineer in a software company has created a virus creation tool. The tool can generate thousands of polymorphic viruses. The engineer is planning to use the tool in a controlled environment to test the company's next generation virus scanning software. Which would BEST describe the behavior of the engineer and why?

- A. The behavior is ethical because the tool will be used to create a better virus scanner.
- B. The behavior is ethical because any experienced programmer could create such a tool.
- C. The behavior is not ethical because creating any kind of virus is bad.
- D. The behavior is not ethical because such a tool could be leaked on the Internet.

Answer: A

NEW QUESTION 193

- (Exam Topic 9)

Which of the following Disaster Recovery (DR) sites is the MOST difficult to test?

- A. Hot site
- B. Cold site
- C. Warm site
- D. Mobile site

Answer: B

NEW QUESTION 194

- (Exam Topic 9)

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

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

Answer: D

NEW QUESTION 196

- (Exam Topic 9)

At a MINIMUM, a formal review of any Disaster Recovery Plan (DRP) should be conducted

- A. monthly.
- B. quarterly.
- C. annually.
- D. bi-annually.

Answer: C

NEW QUESTION 200

- (Exam Topic 9)

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

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

Answer: B

NEW QUESTION 201

- (Exam Topic 10)

What is the MAIN feature that onion routing networks offer?

- A. Non-repudiation
- B. Traceability
- C. Anonymity
- D. Resilience

Answer: C

NEW QUESTION 204

- (Exam Topic 10)

What do Capability Maturity Models (CMM) serve as a benchmark for in an organization?

- A. Experience in the industry
- B. Definition of security profiles
- C. Human resource planning efforts
- D. Procedures in systems development

Answer: D

NEW QUESTION 209

- (Exam Topic 10)

Refer to the information below to answer the question.

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

Which of the following solutions would have MOST likely detected the use of peer-to-peer programs when the computer was connected to the office network?

- A. Anti-virus software
- B. Intrusion Prevention System (IPS)
- C. Anti-spyware software
- D. Integrity checking software

Answer: B

NEW QUESTION 214

- (Exam Topic 10)

Which of the following violates identity and access management best practices?

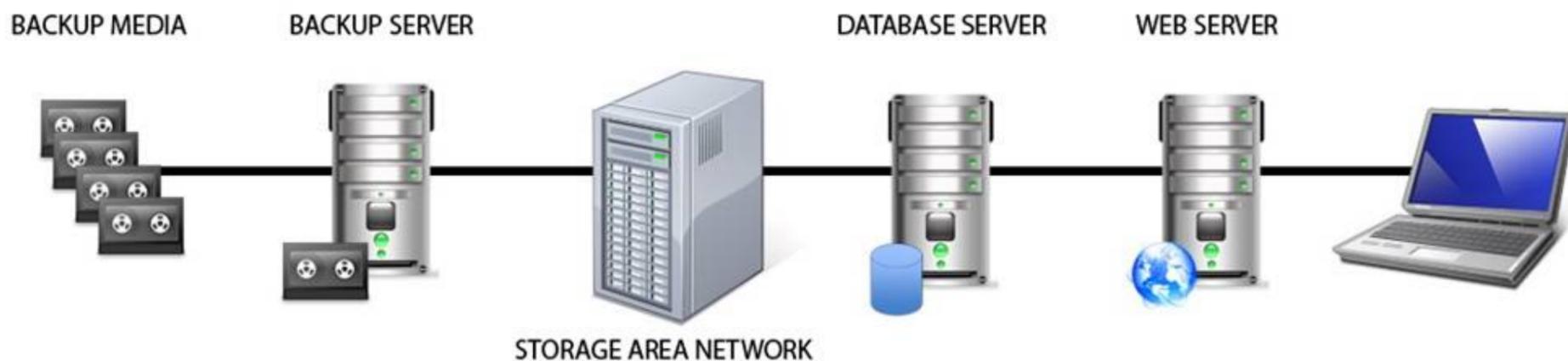
- A. User accounts
- B. System accounts
- C. Generic accounts
- D. Privileged accounts

Answer: C

NEW QUESTION 215

- (Exam Topic 10)

Identify the component that MOST likely lacks digital accountability related to information access. Click on the correct device in the image below.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Backup Media

Reference: Official (ISC)2 Guide to the CISSP CBK, Third Edition page 1029

NEW QUESTION 220

- (Exam Topic 10)

Refer to the information below to answer the question.

A large, multinational organization has decided to outsource a portion of their Information Technology (IT) organization to a third-party provider's facility. This provider will be responsible for the design, development, testing, and support of several critical, customer-based applications used by the organization.

The organization should ensure that the third party's physical security controls are in place so that they

- A. are more rigorous than the original controls.
- B. are able to limit access to sensitive information.
- C. allow access by the organization staff at any time.
- D. cannot be accessed by subcontractors of the third party.

Answer: B

NEW QUESTION 225

- (Exam Topic 10)

Which of the following is the BEST reason to review audit logs periodically?

- A. Verify they are operating properly
- B. Monitor employee productivity
- C. Identify anomalies in use patterns
- D. Meet compliance regulations

Answer: C

NEW QUESTION 227

- (Exam Topic 10)

Which of the following is an example of two-factor authentication?

- A. Retina scan and a palm print
- B. Fingerprint and a smart card
- C. Magnetic stripe card and an ID badge
- D. Password and Completely Automated Public Turing test to tell Computers and Humans Apart(CAPTCHA)

Answer: B

NEW QUESTION 228

- (Exam Topic 10)

Which of the following MOST influences the design of the organization's electronic monitoring policies?

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

Answer: A

NEW QUESTION 232

- (Exam Topic 10)

According to best practice, which of the following groups is the MOST effective in performing an information security compliance audit?

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

Answer: D

NEW QUESTION 236

- (Exam Topic 10)

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

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

Answer: D

NEW QUESTION 237

- (Exam Topic 10)

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

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

Answer: A

NEW QUESTION 240

- (Exam Topic 10)

What does secure authentication with logging provide?

- A. Data integrity
- B. Access accountability
- C. Encryption logging format
- D. Segregation of duties

Answer: B

NEW QUESTION 244

- (Exam Topic 10)

Refer to the information below to answer the question.

During the investigation of a security incident, it is determined that an unauthorized individual accessed a system which hosts a database containing financial information.

If it is discovered that large quantities of information have been copied by the unauthorized individual, what attribute of the data has been compromised?

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

Answer: D

NEW QUESTION 249

- (Exam Topic 10)

Refer to the information below to answer the question.

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

In addition to web browsers, what PRIMARY areas need to be addressed concerning mobile code used for malicious purposes?

- A. Text editors, database, and Internet phone applications
- B. Email, presentation, and database applications
- C. Image libraries, presentation and spreadsheet applications
- D. Email, media players, and instant messaging applications

Answer: D

NEW QUESTION 250

- (Exam Topic 10)

Which item below is a federated identity standard?

- A. 802.11i
- B. Kerberos
- C. Lightweight Directory Access Protocol (LDAP)
- D. Security Assertion Markup Language (SAML)

Answer: D

NEW QUESTION 253

- (Exam Topic 10)

Which of the following is the MOST difficult to enforce when using cloud computing?

- A. Data access
- B. Data backup
- C. Data recovery
- D. Data disposal

Answer: D

NEW QUESTION 255

- (Exam Topic 10)

Refer to the information below to answer the question.

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

What MUST the plan include in order to reduce client-side exploitation?

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

Answer: D

NEW QUESTION 256

- (Exam Topic 10)

What is the MOST effective method for gaining unauthorized access to a file protected with a long complex password?

- A. Brute force attack
- B. Frequency analysis
- C. Social engineering
- D. Dictionary attack

Answer: C

NEW QUESTION 259

- (Exam Topic 10)

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

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

Answer: C

NEW QUESTION 263

- (Exam Topic 10)

Refer to the information below to answer the question.

A large, multinational organization has decided to outsource a portion of their Information Technology (IT) organization to a third-party provider's facility. This provider will be responsible for the design, development, testing, and support of several critical, customer-based applications used by the organization. The third party needs to have

- A. processes that are identical to that of the organization doing the outsourcing.
- B. access to the original personnel that were on staff at the organization.
- C. the ability to maintain all of the applications in languages they are familiar with.
- D. access to the skill sets consistent with the programming languages used by the organization.

Answer: D

NEW QUESTION 264

- (Exam Topic 10)

Given the various means to protect physical and logical assets, match the access management area to the technology.

Area		Technolog
Facilities		Encryption
Devices		Window
Information		Firewall
Systems		Authenticati

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Area		Technolog
Facilities	Information	Encryption
Devices	Facilities	Window
Information	Devices	Firewall
Systems	Systems	Authenticati

NEW QUESTION 267

- (Exam Topic 10)

What is a common challenge when implementing Security Assertion Markup Language (SAML) for identity integration between on-premise environment and an external identity provider service?

- A. Some users are not provisioned into the service.
- B. SAML tokens are provided by the on-premise identity provider.
- C. Single users cannot be revoked from the service.
- D. SAML tokens contain user information.

Answer: A

NEW QUESTION 269

- (Exam Topic 10)

A business has implemented Payment Card Industry Data Security Standard (PCI-DSS) compliant handheld credit card processing on their Wireless Local Area Network (WLAN) topology. The network team partitioned the WLAN to create a private segment for credit card processing using a firewall to control device access and route traffic to the card processor on the Internet. What components are in the scope of PCI-DSS?

- A. The entire enterprise network infrastructure.
- B. The handheld devices, wireless access points and border gateway.
- C. The end devices, wireless access points, WLAN, switches, management console, and firewall.
- D. The end devices, wireless access points, WLAN, switches, management console, and Internet

Answer: C

NEW QUESTION 273

- (Exam Topic 10)

A security manager has noticed an inconsistent application of server security controls resulting in vulnerabilities on critical systems. What is the MOST likely cause of this issue?

- A. A lack of baseline standards
- B. Improper documentation of security guidelines
- C. A poorly designed security policy communication program
- D. Host-based Intrusion Prevention System (HIPS) policies are ineffective

Answer: A

NEW QUESTION 277

- (Exam Topic 10)

Which of the following actions MUST be taken if a vulnerability is discovered during the maintenance stage in a System Development Life Cycle (SDLC)?

- A. Make changes following principle and design guidelines.
- B. Stop the application until the vulnerability is fixed.
- C. Report the vulnerability to product owner.
- D. Monitor the application and review code.

Answer: C

NEW QUESTION 282

- (Exam Topic 10)

When is security personnel involvement in the Systems Development Life Cycle (SDLC) process MOST beneficial?

- A. Testing phase
- B. Development phase
- C. Requirements definition phase
- D. Operations and maintenance phase

Answer: C

NEW QUESTION 287

- (Exam Topic 10)

Which of the following is a BEST practice when traveling internationally with laptops containing Personally Identifiable Information (PII)?

- A. Use a thumb drive to transfer information from a foreign computer.
- B. Do not take unnecessary information, including sensitive information.
- C. Connect the laptop only to well-known networks like the hotel or public Internet cafes.
- D. Request international points of contact help scan the laptop on arrival to ensure it is protected.

Answer: B

NEW QUESTION 290

- (Exam Topic 10)

Refer to the information below to answer the question.

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

Which of the following will MOST likely allow the organization to keep risk at an acceptable level?

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

Answer: C

NEW QUESTION 291

- (Exam Topic 10)

Refer to the information below to answer the question.

An organization has hired an information security officer to lead their security department. The officer has adequate people resources but is lacking the other necessary components to have an effective security program. There are numerous initiatives requiring security involvement.

Which of the following is considered the MOST important priority for the information security officer?

- A. Formal acceptance of the security strategy
- B. Disciplinary actions taken against unethical behavior
- C. Development of an awareness program for new employees

D. Audit of all organization system configurations for faults

Answer: A

NEW QUESTION 294

- (Exam Topic 10)

Which of the following BEST describes Recovery Time Objective (RTO)?

- A. Time of data validation after disaster
- B. Time of data restoration from backup after disaster
- C. Time of application resumption after disaster
- D. Time of application verification after disaster

Answer: C

NEW QUESTION 298

- (Exam Topic 10)

What is the BEST method to detect the most common improper initialization problems in programming languages?

- A. Use and specify a strong character encoding.
- B. Use automated static analysis tools that target this type of weakness.
- C. Perform input validation on any numeric inputs by assuring that they are within the expected range.
- D. Use data flow analysis to minimize the number of false positives.

Answer: B

NEW QUESTION 299

- (Exam Topic 10)

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

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

Answer: C

NEW QUESTION 303

- (Exam Topic 10)

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

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

Answer: B

NEW QUESTION 304

- (Exam Topic 10)

Refer to the information below to answer the question.

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

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

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

Answer: A

NEW QUESTION 307

- (Exam Topic 10)

Refer to the information below to answer the question.

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

Which of the following BEST describes the access control methodology used?

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

Answer: C

NEW QUESTION 312

- (Exam Topic 10)

Refer to the information below to answer the question.

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

Which of the following methods is the MOST effective way of removing the Peer-to-Peer (P2P) program from the computer?

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

Answer: B

NEW QUESTION 317

- (Exam Topic 10)

Which of the following is the MAIN goal of a data retention policy?

- A. Ensure that data is destroyed properly.
- B. Ensure that data recovery can be done on the data.
- C. Ensure the integrity and availability of data for a predetermined amount of time.
- D. Ensure the integrity and confidentiality of data for a predetermined amount of time.

Answer: C

NEW QUESTION 320

- (Exam Topic 10)

The use of proximity card to gain access to a building is an example of what type of security control?

- A. Legal
- B. Logical
- C. Physical
- D. Procedural

Answer: C

NEW QUESTION 325

- (Exam Topic 10)

Refer to the information below to answer the question.

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

What is the BEST reason for the organization to pursue a plan to mitigate client-based attacks?

- A. Client privilege administration is inherently weaker than server privilege administration.
- B. Client hardening and management is easier on clients than on servers.
- C. Client-based attacks are more common and easier to exploit than server and network based attacks.
- D. Client-based attacks have higher financial impact.

Answer: C

NEW QUESTION 329

- (Exam Topic 10)

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

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

Answer: B

NEW QUESTION 333

- (Exam Topic 10)

Refer to the information below to answer the question.

An organization has hired an information security officer to lead their security department. The officer has adequate people resources but is lacking the other necessary components to have an effective security program. There are numerous initiatives requiring security involvement.

The security program can be considered effective when

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

Answer: D

NEW QUESTION 338

- (Exam Topic 10)

For a service provider, which of the following MOST effectively addresses confidentiality concerns for customers using cloud computing?

- A. Hash functions
- B. Data segregation
- C. File system permissions
- D. Non-repudiation controls

Answer: B

NEW QUESTION 341

- (Exam Topic 10)

An organization decides to implement a partial Public Key Infrastructure (PKI) with only the servers having digital certificates. What is the security benefit of this implementation?

- A. Clients can authenticate themselves to the servers.
- B. Mutual authentication is available between the clients and servers.
- C. Servers are able to issue digital certificates to the client.
- D. Servers can authenticate themselves to the client.

Answer: D

NEW QUESTION 346

- (Exam Topic 10)

Which of the following secure startup mechanisms are PRIMARILY designed to thwart attacks?

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

Answer: B

NEW QUESTION 347

- (Exam Topic 10)

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

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

Answer: D

NEW QUESTION 348

- (Exam Topic 10)

What is the PRIMARY reason for ethics awareness and related policy implementation?

- A. It affects the workflow of an organization.
- B. It affects the reputation of an organization.
- C. It affects the retention rate of employees.
- D. It affects the morale of the employees.

Answer: B

NEW QUESTION 350

- (Exam Topic 10)

Without proper signal protection, embedded systems may be prone to which type of attack?

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

Answer: C

NEW QUESTION 355

- (Exam Topic 10)

Which of the following is the BEST way to determine if a particular system is able to identify malicious software without executing it?

- A. Testing with a Botnet
- B. Testing with an EICAR file
- C. Executing a binary shellcode
- D. Run multiple antivirus programs

Answer:

B

NEW QUESTION 360

- (Exam Topic 10)

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

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

Answer: B

NEW QUESTION 363

- (Exam Topic 10)

Refer to the information below to answer the question.

A large, multinational organization has decided to outsource a portion of their Information Technology (IT) organization to a third-party provider's facility. This provider will be responsible for the design, development, testing, and support of several critical, customer-based applications used by the organization.

What additional considerations are there if the third party is located in a different country?

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

Answer: C

NEW QUESTION 366

- (Exam Topic 10)

Which of the following provides the MOST protection against data theft of sensitive information when a laptop is stolen?

- A. Set up a BIOS and operating system password
- B. Encrypt the virtual drive where confidential files can be stored
- C. Implement a mandatory policy in which sensitive data cannot be stored on laptops, but only on the corporate network
- D. Encrypt the entire disk and delete contents after a set number of failed access attempts

Answer: D

NEW QUESTION 367

- (Exam Topic 10)

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

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

Answer: B

NEW QUESTION 371

- (Exam Topic 11)

What is the process called when impact values are assigned to the security objectives for information types?

- A. Qualitative analysis
- B. Quantitative analysis
- C. Remediation
- D. System security categorization

Answer: D

NEW QUESTION 375

- (Exam Topic 11)

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

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

Answer: B

NEW QUESTION 379

- (Exam Topic 11)

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

- A. ISO 9000

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

Answer: D

NEW QUESTION 381

- (Exam Topic 11)

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

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

Answer: A

NEW QUESTION 384

- (Exam Topic 11)

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

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

Answer: B

NEW QUESTION 387

- (Exam Topic 11)

Which of the following statements is TRUE regarding state-based analysis as a functional software testing technique?

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

Answer: A

NEW QUESTION 389

- (Exam Topic 11)

Order the below steps to create an effective vulnerability management process.

<u>Step</u>		<u>Order</u>
Identify risks		1
Implement patch deployment		2
Implement recurring scanning schedule		3
Identify assets		4
Implement change management		5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step		Order
Identify risks	Identify assets	1
Implement patch deployment	Identify risks	2
Implement recurring scanning schedule	Implement change management	3
Identify assets	Implement patch deployment	4
Implement change management	Implement recurring scanning schedule	5

NEW QUESTION 391

- (Exam Topic 11)

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

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

Answer: C

NEW QUESTION 394

- (Exam Topic 11)

Which of the following is a reason to use manual patch installation instead of automated patch management?

- A. The cost required to install patches will be reduced.
- B. The time during which systems will remain vulnerable to an exploit will be decreased.
- C. The likelihood of system or application incompatibilities will be decreased.
- D. The ability to cover large geographic areas is increased.

Answer: C

NEW QUESTION 397

- (Exam Topic 11)

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

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

Answer: A

NEW QUESTION 402

- (Exam Topic 11)

How does an organization verify that an information system's current hardware and software match the standard system configuration?

- A. By reviewing the configuration after the system goes into production
- B. By running vulnerability scanning tools on all devices in the environment
- C. By comparing the actual configuration of the system against the baseline
- D. By verifying all the approved security patches are implemented

Answer: C

NEW QUESTION 405

- (Exam Topic 11)

Disaster Recovery Plan (DRP) training material should be

- A. consistent so that all audiences receive the same training.
- B. stored in a fire proof safe to ensure availability when needed.
- C. only delivered in paper format.
- D. presented in a professional looking manner.

Answer: A

NEW QUESTION 408

- (Exam Topic 11)

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

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

Answer: B

NEW QUESTION 413

- (Exam Topic 11)

Which of the following is most helpful in applying the principle of LEAST privilege?

- A. Establishing a sandboxing environment
- B. Setting up a Virtual Private Network (VPN) tunnel
- C. Monitoring and reviewing privileged sessions
- D. Introducing a job rotation program

Answer: A

NEW QUESTION 415

- (Exam Topic 11)

Which of the following is the MOST likely cause of a non-malicious data breach when the source of the data breach was an un-marked file cabinet containing sensitive documents?

- A. Ineffective data classification
- B. Lack of data access controls
- C. Ineffective identity management controls
- D. Lack of Data Loss Prevention (DLP) tools

Answer: A

NEW QUESTION 416

- (Exam Topic 11)

Which of the following entities is ultimately accountable for data remanence vulnerabilities with data replicated by a cloud service provider?

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

Answer: A

NEW QUESTION 421

- (Exam Topic 11)

Which of the following is the BIGGEST weakness when using native Lightweight Directory Access Protocol (LDAP) for authentication?

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

Answer: D

NEW QUESTION 424

- (Exam Topic 11)

Which of the following disaster recovery test plans will be MOST effective while providing minimal risk?

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

Answer: B

NEW QUESTION 427

- (Exam Topic 11)

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

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

Answer: D

NEW QUESTION 429

- (Exam Topic 11)

Which of the following standards/guidelines requires an Information Security Management System (ISMS) to be defined?

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

Answer: A

NEW QUESTION 430

- (Exam Topic 11)

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

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

Answer: C

NEW QUESTION 435

- (Exam Topic 11)

During a fingerprint verification process, which of the following is used to verify identity and authentication?

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

Answer: D

NEW QUESTION 440

- (Exam Topic 11)

When planning a penetration test, the tester will be MOST interested in which information?

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

Answer: B

NEW QUESTION 442

- (Exam Topic 11)

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

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

Answer: A

NEW QUESTION 447

- (Exam Topic 11)

Which of the following BEST describes a rogue Access Point (AP)?

- A. An AP that is not protected by a firewall
- B. An AP not configured to use Wired Equivalent Privacy (WEP) with Triple Data Encryption Algorithm (3DES)
- C. An AP connected to the wired infrastructure but not under the management of authorized network administrators
- D. An AP infected by any kind of Trojan or Malware

Answer: C

NEW QUESTION 448

- (Exam Topic 11)

Retaining system logs for six months or longer can be valuable for what activities?

- A. Disaster recovery and business continuity
- B. Forensics and incident response
- C. Identity and authorization management

D. Physical and logical access control

Answer: B

NEW QUESTION 453

- (Exam Topic 11)

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

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

Answer: A

NEW QUESTION 455

- (Exam Topic 11)

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

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

Answer: A

NEW QUESTION 460

- (Exam Topic 11)

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

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

Answer: D

NEW QUESTION 465

- (Exam Topic 11)

Which of the following is an essential step before performing Structured Query Language (SQL) penetration tests on a production system?

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

Answer: C

NEW QUESTION 470

- (Exam Topic 11)

An organization has developed a major application that has undergone accreditation testing. After receiving the results of the evaluation, what is the final step before the application can be accredited?

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

Answer: A

NEW QUESTION 472

- (Exam Topic 11)

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 474

- (Exam Topic 11)

Drag the following Security Engineering terms on the left to the BEST definition on the right.

Security Engineering

Definition

Security Risk Treatment

The method used to identify the confidentiality, integrity, and availability requirements for organizational and system assets and to characterize the **adverse impact or consequences should the asset be lost, modified, degraded, disrupted, compromised, or become unavailable.**

Threat Assessment

A measure of the extent to which an entity is threatened by a potential circumstance or event, the adverse impacts that would arise if the **circumstance or event occurs, and the likelihood of occurrence.**

Protection Needs

The method used to identify and characterize the dangers anticipated **throughout the life cycle of the system.**

Risk

The method used to identify feasible security **risk mitigation options and plans.**

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Security Engineering

Definition

Security Risk Treatment

Protection Needs

The method used to identify the confidentiality, integrity, and availability requirements for organizational and system assets and to characterize the adverse impact or consequences should the asset be lost, modified, degraded, disrupted, compromised, or become unavailable.

Threat Assessment

Risk

A measure of the extent to which an entity is threatened by a potential circumstance or event, the adverse impacts that would arise if the circumstance or event occurs, and the likelihood of occurrence.

Protection Needs

Threat Assessment

The method used to identify and characterize the dangers anticipated throughout the life cycle of the system.

Risk

Security Risk Treatment

The method used to identify feasible security risk mitigation options and plans.

NEW QUESTION 478

- (Exam Topic 11)

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

- A. Improved credential interoperability
- B. Control over system configuration
- C. Lower infrastructure capital costs
- D. Reduced administrative overhead

Answer: B

NEW QUESTION 483

- (Exam Topic 11)

The PRIMARY security concern for handheld devices is the

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

Answer: C

NEW QUESTION 488

- (Exam Topic 11)

Sensitive customer data is going to be added to a database. What is the MOST effective implementation for ensuring data privacy?

- A. Discretionary Access Control (DAC) procedures
- B. Mandatory Access Control (MAC) procedures
- C. Data link encryption
- D. Segregation of duties

Answer: B

NEW QUESTION 491

- (Exam Topic 11)

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

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

Answer: B

NEW QUESTION 494

- (Exam Topic 11)

Data leakage of sensitive information is MOST often concealed by which of the following?

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

Answer: A

NEW QUESTION 497

- (Exam Topic 11)

What is one way to mitigate the risk of security flaws in custom software?

- A. Include security language in the Earned Value Management (EVM) contract
- B. Include security assurance clauses in the Service Level Agreement (SLA)
- C. Purchase only Commercial Off-The-Shelf (COTS) products
- D. Purchase only software with no open source Application Programming Interfaces (APIs)

Answer: B

NEW QUESTION 502

- (Exam Topic 11)

What does an organization FIRST review to assure compliance with privacy requirements?

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

Answer: C

NEW QUESTION 506

- (Exam Topic 11)

An organization has decided to contract with a cloud-based service provider to leverage their identity as a service offering. They will use Open Authentication (OAuth) 2.0 to authenticate external users to the organization's services.

As part of the authentication process, which of the following must the end user provide?

- A. An access token
- B. A username and password
- C. A username
- D. A password

Answer: A

NEW QUESTION 507

- (Exam Topic 11)

Which of the following is the MOST effective method of mitigating data theft from an active user workstation?

- A. Implement full-disk encryption
- B. Enable multifactor authentication
- C. Deploy file integrity checkers
- D. Disable use of portable devices

Answer: D

NEW QUESTION 511

- (Exam Topic 11)

The goal of a Business Continuity Plan (BCP) training and awareness program is to

- A. enhance the skills required to create, maintain, and execute the plan.
- B. provide for a high level of recovery in case of disaster.
- C. describe the recovery organization to new employees.
- D. provide each recovery team with checklists and procedures.

Answer: A

NEW QUESTION 513

- (Exam Topic 11)

The PRIMARY outcome of a certification process is that it provides documented

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

Answer: D

NEW QUESTION 514

- (Exam Topic 11)

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

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

Answer: A

NEW QUESTION 518

- (Exam Topic 11)

Which of the following methods can be used to achieve confidentiality and integrity for data in transit?

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

Answer: B

NEW QUESTION 523

- (Exam Topic 11)

What type of test assesses a Disaster Recovery (DR) plan using realistic disaster scenarios while maintaining minimal impact to business operations?

- A. Parallel
- B. Walkthrough
- C. Simulation
- D. Tabletop

Answer: C

NEW QUESTION 527

- (Exam Topic 11)

A network scan found 50% of the systems with one or more critical vulnerabilities. Which of the following represents the BEST action?

- A. Assess vulnerability risk and program effectiveness.
- B. Assess vulnerability risk and business impact.
- C. Disconnect all systems with critical vulnerabilities.
- D. Disconnect systems with the most number of vulnerabilities.

Answer: B

NEW QUESTION 530

- (Exam Topic 11)

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

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

Answer:

D

NEW QUESTION 535

- (Exam Topic 11)

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

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

Answer: B

NEW QUESTION 539

- (Exam Topic 11)

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

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

Answer: A

NEW QUESTION 543

- (Exam Topic 11)

Who is ultimately responsible to ensure that information assets are categorized and adequate measures are taken to protect them?

- A. Data Custodian
- B. Executive Management
- C. Chief Information Security Officer
- D. Data/Information/Business Owners

Answer: B

NEW QUESTION 548

- (Exam Topic 11)

Which of the following BEST describes the purpose of the security functional requirements of Common Criteria?

- A. Level of assurance of the Target of Evaluation (TOE) in intended operational environment
- B. Selection to meet the security objectives stated in test documents
- C. Security behavior expected of a TOE
- D. Definition of the roles and responsibilities

Answer: C

NEW QUESTION 553

- (Exam Topic 11)

A Simple Power Analysis (SPA) attack against a device directly observes which of the following?

- A. Static discharge
- B. Consumption
- C. Generation
- D. Magnetism

Answer: B

NEW QUESTION 558

- (Exam Topic 11)

In the Open System Interconnection (OSI) model, which layer is responsible for the transmission of binary data over a communications network?

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

Answer: B

NEW QUESTION 562

- (Exam Topic 11)

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

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

Answer: B

NEW QUESTION 565

- (Exam Topic 11)

Are companies legally required to report all data breaches?

- A. No, different jurisdictions have different rules.
- B. No, not if the data is encrypted.
- C. No, companies' codes of ethics don't require it.
- D. No, only if the breach had a material impact.

Answer: A

NEW QUESTION 568

- (Exam Topic 11)

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

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

Answer: D

NEW QUESTION 571

- (Exam Topic 11)

An organization is found lacking the ability to properly establish performance indicators for its Web hosting solution during an audit. What would be the MOST probable cause?

- A. Improper deployment of the Service-Oriented Architecture (SOA)
- B. Absence of a Business Intelligence (BI) solution
- C. Inadequate cost modeling
- D. Insufficient Service Level Agreement (SLA)

Answer: D

NEW QUESTION 575

- (Exam Topic 11)

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

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

Answer: C

NEW QUESTION 580

- (Exam Topic 11)

During the risk assessment phase of the project the CISO discovered that a college within the University is collecting Protected Health Information (PHI) data via an application that was developed in-house. The college collecting this data is fully aware of the regulations for Health Insurance Portability and Accountability Act (HIPAA) and is fully compliant.

What is the best approach for the CISO?

During the risk assessment phase of the project the CISO discovered that a college within the University is collecting Protected Health Information (PHI) data via an application that was developed in-house. The college collecting this data is fully aware of the regulations for Health Insurance Portability and Accountability Act (HIPAA) and is fully compliant.

What is the best approach for the CISO?

- A. Document the system as high risk
- B. Perform a vulnerability assessment
- C. Perform a quantitative threat assessment
- D. Notate the information and move on

Answer: B

NEW QUESTION 585

- (Exam Topic 11)

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

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

Answer: C

NEW QUESTION 586

- (Exam Topic 11)

Which of the following provides the minimum set of privileges required to perform a job function and restricts the user to a domain with the required privileges?

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

Answer: B

NEW QUESTION 589

- (Exam Topic 11)

In which order, from MOST to LEAST impacted, does user awareness training reduce the occurrence of the events below?

Event		Order
Disloyal employees		1
User-instigated		2
Targeted infiltration		3
Virus infiltrations		4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Event		Order
Disloyal employees	Disloyal employees	1
User-instigated	User-instigated	2
Targeted infiltration	Targeted infiltration	3
Virus infiltrations	Virus infiltrations	4

NEW QUESTION 591

- (Exam Topic 12)

As a best practice, the Security Assessment Report (SAR) should include which of the following sections?

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

Answer: B

NEW QUESTION 593

- (Exam Topic 12)

Which of the following is a remote access protocol that uses a static authentication?

- A. Point-to-Point Tunneling Protocol (PPTP)
- B. Routing Information Protocol (RIP)
- C. Password Authentication Protocol (PAP)
- D. Challenge Handshake Authentication Protocol (CHAP)

Answer: C

NEW QUESTION 597

- (Exam Topic 12)

Match the name of access control model with its associated restriction.

Drag each access control model to its appropriate restriction access on the right.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Mandatory Access Control – End user cannot set controls

Discretionary Access Control (DAC) – Subject has total control over objects

Role Based Access Control (RBAC) – Dynamically assigns roles permissions to particular duties based on job function

Rule Based access control – Dynamically assigns roles to subjects based on criteria assigned by a custodian.

NEW QUESTION 600

- (Exam Topic 12)

A vulnerability in which of the following components would be MOST difficult to detect?

- A. Kernel
- B. Shared libraries
- C. Hardware
- D. System application

Answer: A

NEW QUESTION 604

- (Exam Topic 12)

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

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

Answer: B

NEW QUESTION 609

- (Exam Topic 12)

Network-based logging has which advantage over host-based logging when reviewing malicious activity about a victim machine?

- A. Addresses and protocols of network-based logs are analyzed.
- B. Host-based system logging has files stored in multiple locations.
- C. Properly handled network-based logs may be more reliable and valid.
- D. Network-based systems cannot capture users logging into the console.

Answer: A

NEW QUESTION 614

- (Exam Topic 12)

A company has decided that they need to begin maintaining assets deployed in the enterprise. What approach should be followed to determine and maintain ownership information to bring the company into compliance?

- A. Enterprise asset management framework
- B. Asset baseline using commercial off the shelf software
- C. Asset ownership database using domain login records
- D. A script to report active user logins on assets

Answer: A

NEW QUESTION 616

- (Exam Topic 12)

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

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

Answer: D

NEW QUESTION 619

- (Exam Topic 12)

Which of the following adds end-to-end security inside a Layer 2 Tunneling Protocol (L2TP) Internet Protocol Security (IPSec) connection?

- A. Temporal Key Integrity Protocol (TKIP)
- B. Secure Hash Algorithm (SHA)
- C. Secure Shell (SSH)
- D. Transport Layer Security (TLS)

Answer: B

NEW QUESTION 622

- (Exam Topic 12)

How should an organization determine the priority of its remediation efforts after a vulnerability assessment has been conducted?

- A. Use an impact-based approach.
- B. Use a risk-based approach.
- C. Use a criticality-based approach.
- D. Use a threat-based approach.

Answer: B

NEW QUESTION 625

- (Exam Topic 12)

The PRIMARY outcome of a certification process is that it provides documented

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

Answer: D

NEW QUESTION 629

- (Exam Topic 12)

An application developer is deciding on the amount of idle session time that the application allows before a timeout. The BEST reason for determining the session timeout requirement is

- A. organization policy.
- B. industry best practices.
- C. industry laws and regulations.
- D. management feedback.

Answer: A

NEW QUESTION 633

- (Exam Topic 12)

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

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

Answer: A

NEW QUESTION 634

- (Exam Topic 12)

What type of wireless network attack BEST describes an Electromagnetic Pulse (EMP) attack?

- A. Radio Frequency (RF) attack
- B. Denial of Service (DoS) attack
- C. Data modification attack
- D. Application-layer attack

Answer: B

NEW QUESTION 637

- (Exam Topic 12)

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

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

Answer: D

NEW QUESTION 639

- (Exam Topic 12)

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

- A. Lower infrastructure capital costs
- B. Control over system configuration
- C. Reduced administrative overhead
- D. Improved credential interoperability

Answer: B

NEW QUESTION 641

- (Exam Topic 12)

The PRIMARY purpose of accreditation is to:

- A. comply with applicable laws and regulations.
- B. allow senior management to make an informed decision regarding whether to accept the risk of operating the system.
- C. protect an organization's sensitive data.
- D. verify that all security controls have been implemented properly and are operating in the correct manner.

Answer: B

NEW QUESTION 644

- (Exam Topic 12)

What operations role is responsible for protecting the enterprise from corrupt or contaminated media?

- A. Information security practitioner
- B. Information librarian
- C. Computer operator
- D. Network administrator

Answer: B

NEW QUESTION 649

- (Exam Topic 12)

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

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

Answer: A

NEW QUESTION 654

- (Exam Topic 12)

When writing security assessment procedures, what is the MAIN purpose of the test outputs and reports?

- A. To force the software to fail and document the process
- B. To find areas of compromise in confidentiality and integrity
- C. To allow for objective pass or fail decisions
- D. To identify malware or hidden code within the test results

Answer: C

NEW QUESTION 656

- (Exam Topic 12)

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

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

Answer:

C

NEW QUESTION 659

- (Exam Topic 12)

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

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

Answer: D

NEW QUESTION 661

- (Exam Topic 12)

In the Software Development Life Cycle (SDLC), maintaining accurate hardware and software inventories is a critical part of

- A. systems integration.
- B. risk management.
- C. quality assurance.
- D. change management.

Answer: D

NEW QUESTION 664

- (Exam Topic 12)

A security architect plans to reference a Mandatory Access Control (MAC) model for implementation. This indicates that which of the following properties are being prioritized?

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

Answer: C

NEW QUESTION 666

- (Exam Topic 12)

In order to assure authenticity, which of the following are required?

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

Answer: D

NEW QUESTION 670

- (Exam Topic 12)

The goal of a Business Impact Analysis (BIA) is to determine which of the following?

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

Answer: C

NEW QUESTION 673

- (Exam Topic 12)

Which of the following is a characteristic of the initialization vector when using Data Encryption Standard (DES)?

- A. It must be known to both sender and receiver.
- B. It can be transmitted in the clear as a random number.
- C. It must be retained until the last block is transmitted.
- D. It can be used to encrypt and decrypt information.

Answer: B

NEW QUESTION 676

- (Exam Topic 12)

Which of the following are effective countermeasures against passive network-layer attacks?

- A. Federated security and authenticated access controls
- B. Trusted software development and run time integrity controls
- C. Encryption and security enabled applications

D. Enclave boundary protection and computing environment defense

Answer: C

NEW QUESTION 678

- (Exam Topic 12)

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

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

Answer: C

NEW QUESTION 682

- (Exam Topic 12)

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

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

Answer: D

NEW QUESTION 686

- (Exam Topic 12)

Which of the following countermeasures is the MOST effective in defending against a social engineering attack?

- A. Mandating security policy acceptance
- B. Changing individual behavior
- C. Evaluating security awareness training
- D. Filtering malicious e-mail content

Answer: C

NEW QUESTION 689

- (Exam Topic 12)

What is a characteristic of Secure Socket Layer (SSL) and Transport Layer Security (TLS)?

- A. SSL and TLS provide a generic channel security mechanism on top of Transmission Control Protocol (TCP).
- B. SSL and TLS provide nonrepudiation by default.
- C. SSL and TLS do not provide security for most routed protocols.
- D. SSL and TLS provide header encapsulation over HyperText Transfer Protocol (HTTP).

Answer: A

NEW QUESTION 694

- (Exam Topic 13)

Which of the following is the MOST effective method to mitigate Cross-Site Scripting (XSS) attacks?

- A. Use Software as a Service (SaaS)
- B. Whitelist input validation
- C. Require client certificates
- D. Validate data output

Answer: B

NEW QUESTION 697

- (Exam Topic 13)

Which of the following is the MOST effective practice in managing user accounts when an employee is terminated?

- A. Implement processes for automated removal of access for terminated employees.
- B. Delete employee network and system IDs upon termination.
- C. Manually remove terminated employee user-access to all systems and applications.
- D. Disable terminated employee network ID to remove all access.

Answer: B

NEW QUESTION 698

- (Exam Topic 13)

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

- A. undergo a security assessment as part of authorization process

- B. establish a risk management strategy
- C. harden the hosting server, and perform hosting and application vulnerability scans
- D. establish policies and procedures on system and services acquisition

Answer: D

NEW QUESTION 699

- (Exam Topic 13)

A control to protect from a Denial-of-Service (DoS) attack has been determined to stop 50% of attacks, and additionally reduces the impact of an attack by 50%. What is the residual risk?

- A. 25%
- B. 50%
- C. 75%
- D. 100%

Answer: A

NEW QUESTION 704

- (Exam Topic 13)

Which of the following is the MOST important security goal when performing application interface testing?

- A. Confirm that all platforms are supported and function properly
- B. Evaluate whether systems or components pass data and control correctly to one another
- C. Verify compatibility of software, hardware, and network connections
- D. Examine error conditions related to external interfaces to prevent application details leakage

Answer: B

NEW QUESTION 708

- (Exam Topic 13)

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

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

Answer: B

NEW QUESTION 711

- (Exam Topic 13)

What protocol is often used between gateway hosts on the Internet?

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

Answer: B

NEW QUESTION 716

- (Exam Topic 13)

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

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

Answer: B

NEW QUESTION 719

- (Exam Topic 13)

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

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

Answer: D

NEW QUESTION 721

- (Exam Topic 13)

What is the MAIN reason for testing a Disaster Recovery Plan (DRP)?

- A. To ensure Information Technology (IT) staff knows and performs roles assigned to each of them
- B. To validate backup sites' effectiveness
- C. To find out what does not work and fix it
- D. To create a high level DRP awareness among Information Technology (IT) staff

Answer: B

NEW QUESTION 722

- (Exam Topic 13)

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

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

Answer: B

NEW QUESTION 725

- (Exam Topic 13)

What capability would typically be included in a commercially available software package designed for access control?

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

Answer: A

NEW QUESTION 730

- (Exam Topic 13)

Which of the following are important criteria when designing procedures and acceptance criteria for acquired software?

- A. Code quality, security, and origin
- B. Architecture, hardware, and firmware
- C. Data quality, provenance, and scaling
- D. Distributed, agile, and bench testing

Answer: A

NEW QUESTION 731

- (Exam Topic 13)

Which of the following is the MOST common method of memory protection?

- A. Compartmentalization
- B. Segmentation
- C. Error correction
- D. Virtual Local Area Network (VLAN) tagging

Answer: B

NEW QUESTION 733

- (Exam Topic 13)

Which of the following combinations would MOST negatively affect availability?

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

Answer: A

NEW QUESTION 734

- (Exam Topic 13)

The design review for an application has been completed and is ready for release. What technique should an organization use to assure application integrity?

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

Answer: C

NEW QUESTION 738

- (Exam Topic 13)

Which security modes is MOST commonly used in a commercial environment because it protects the integrity of financial and accounting data?

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

Answer: C

NEW QUESTION 743

- (Exam Topic 13)

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

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

Answer: A

NEW QUESTION 745

- (Exam Topic 13)

Which of the following is a characteristic of an internal audit?

- A. An internal audit is typically shorter in duration than an external audit.
- B. The internal audit schedule is published to the organization well in advance.
- C. The internal auditor reports to the Information Technology (IT) department
- D. Management is responsible for reading and acting upon the internal audit results

Answer: D

NEW QUESTION 746

- (Exam Topic 13)

Which of the following is the BEST reason for the use of security metrics?

- A. They ensure that the organization meets its security objectives.
- B. They provide an appropriate framework for Information Technology (IT) governance.
- C. They speed up the process of quantitative risk assessment.
- D. They quantify the effectiveness of security processes.

Answer: B

NEW QUESTION 747

- (Exam Topic 13)

What can happen when an Intrusion Detection System (IDS) is installed inside a firewall-protected internal network?

- A. The IDS can detect failed administrator logon attempts from servers.
- B. The IDS can increase the number of packets to analyze.
- C. The firewall can increase the number of packets to analyze.
- D. The firewall can detect failed administrator login attempts from servers

Answer: A

NEW QUESTION 751

- (Exam Topic 13)

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

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

Answer: D

NEW QUESTION 755

- (Exam Topic 13)

Which of the following methods of suppressing a fire is environmentally friendly and the MOST appropriate for a data center?

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

Answer: C

NEW QUESTION 760

- (Exam Topic 13)

What are the steps of a risk assessment?

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

Answer: A

Explanation:

Section: Security Assessment and Testing

NEW QUESTION 762

- (Exam Topic 13)

What is the MOST significant benefit of an application upgrade that replaces randomly generated session keys with certificate based encryption for communications with backend servers?

- A. Non-repudiation
- B. Efficiency
- C. Confidentially
- D. Privacy

Answer: A

NEW QUESTION 763

- (Exam Topic 13)

What does electronic vaulting accomplish?

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

Answer: A

Explanation:

Section: Security Operations

NEW QUESTION 768

- (Exam Topic 13)

Match the name of access control model with its associated restriction.

Drag each access control model to its appropriate restriction access on the right.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 772

- (Exam Topic 13)

Which of the following is considered a secure coding practice?

- A. Use concurrent access for shared variables and resources
- B. Use checksums to verify the integrity of libraries
- C. Use new code for common tasks
- D. Use dynamic execution functions to pass user supplied data

Answer: B

NEW QUESTION 776

- (Exam Topic 13)

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

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

Answer: A

NEW QUESTION 779

- (Exam Topic 13)

Match the functional roles in an external audit to their responsibilities. Drag each role on the left to its corresponding responsibility on the right. Select and Place:

<u>Role</u>		<u>Responsibility</u>
Executive management	<input type="text"/>	Approve audit budget and resource allocation.
Audit committee	<input type="text"/>	Provide audit oversight.
Compliance officer	<input type="text"/>	Ensure the achievement and maintenance of organizational requirements with applicable certifications.
External auditor	<input type="text"/>	Develop and maintain knowledge and subject-matter expertise relevant to the type of audit.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

<u>Role</u>	<u>Responsibility</u>
Executive management	Approve audit budget and resource allocation.
Audit committee	Provide audit oversight.
Compliance officer	Ensure the achievement and maintenance of organizational requirements with applicable certifications.
External auditor	Develop and maintain knowledge and subject-matter expertise relevant to the type of audit.

NEW QUESTION 781

- (Exam Topic 13)

What is the PRIMARY goal of fault tolerance?

- A. Elimination of single point of failure
- B. Isolation using a sandbox
- C. Single point of repair
- D. Containment to prevent propagation

Answer: A

NEW QUESTION 782

- (Exam Topic 13)

In a change-controlled environment, which of the following is MOST likely to lead to unauthorized changes to production programs?

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

Answer: B

NEW QUESTION 784

- (Exam Topic 13)

Assessing a third party's risk by counting bugs in the code may not be the best measure of an attack surface within the supply chain. Which of the following is LEAST associated with the attack surface?

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

Answer: C

Explanation:

Section: Security Assessment and Testing

NEW QUESTION 788

- (Exam Topic 13)

An organization recently conducted a review of the security of its network applications. One of the vulnerabilities found was that the session key used in encrypting sensitive information to a third party server had been hard-coded in the client and server applications. Which of the following would be MOST effective in mitigating this vulnerability?

- A. Diffie-Hellman (DH) algorithm
- B. Elliptic Curve Cryptography (ECC) algorithm
- C. Digital Signature algorithm (DSA)
- D. Rivest-Shamir-Adleman (RSA) algorithm

Answer: A

NEW QUESTION 793

- (Exam Topic 13)

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

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

D. Implement change management

Answer: B

NEW QUESTION 794

- (Exam Topic 13)

What is the second step in the identity and access provisioning lifecycle?

- A. Provisioning
- B. Review
- C. Approval
- D. Revocation

Answer: B

NEW QUESTION 796

- (Exam Topic 13)

An Information Technology (IT) professional attends a cybersecurity seminar on current incident response methodologies. What code of ethics canon is being observed?

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

Answer: C

Explanation:

Section: Security Operations

NEW QUESTION 801

- (Exam Topic 13)

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

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

Answer: C

NEW QUESTION 804

- (Exam Topic 13)

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

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

Answer: B

NEW QUESTION 807

- (Exam Topic 13)

What MUST each information owner do when a system contains data from multiple information owners?

- A. Provide input to the Information System (IS) owner regarding the security requirements of the data
- B. Review the Security Assessment report (SAR) for the Information System (IS) and authorize the IS to operate.
- C. Develop and maintain the System Security Plan (SSP) for the Information System (IS) containing the data
- D. Move the data to an Information System (IS) that does not contain data owned by other information owners

Answer: C

Explanation:

Section: Security Assessment and Testing

NEW QUESTION 812

- (Exam Topic 13)

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

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

Answer: B

NEW QUESTION 814

- (Exam Topic 13)

A vulnerability assessment report has been submitted to a client. The client indicates that one third of the hosts that were in scope are missing from the report. In which phase of the assessment was this error MOST likely made?

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

Answer: A

Explanation:

Section: Security Assessment and Testing

NEW QUESTION 816

- (Exam Topic 13)

When network management is outsourced to third parties, which of the following is the MOST effective method of protecting critical data assets?

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

Answer: D

NEW QUESTION 818

- (Exam Topic 13)

Which of the following mandates the amount and complexity of security controls applied to a security risk?

- A. Security vulnerabilities
- B. Risk tolerance
- C. Risk mitigation
- D. Security staff

Answer: C

NEW QUESTION 823

- (Exam Topic 13)

At a MINIMUM, audits of permissions to individual or group accounts should be scheduled

- A. annually
- B. to correspond with staff promotions
- C. to correspond with terminations
- D. continually

Answer: A

NEW QUESTION 824

- (Exam Topic 13)

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

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

Answer: B

Explanation:

Section: Security Operations

NEW QUESTION 826

- (Exam Topic 13)

Which Identity and Access Management (IAM) process can be used to maintain the principle of least privilege?

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

Answer: A

NEW QUESTION 828

- (Exam Topic 13)

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

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

Answer: B

NEW QUESTION 831

- (Exam Topic 13)

Who has the PRIMARY responsibility to ensure that security objectives are aligned with organization goals?

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

Answer: C

NEW QUESTION 832

- (Exam Topic 13)

Which of the BEST internationally recognized standard for evaluating security products and systems?

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

Answer: B

NEW QUESTION 833

- (Exam Topic 13)

Extensible Authentication Protocol-Message Digest 5 (EAP-MD5) only provides which of the following?

- A. Mutual authentication
- B. Server authentication
- C. User authentication
- D. Streaming ciphertext data

Answer: C

NEW QUESTION 834

- (Exam Topic 13)

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

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

Answer: D

NEW QUESTION 839

- (Exam Topic 13)

Which of the following is the MOST important part of an awareness and training plan to prepare employees for emergency situations?

- A. Having emergency contacts established for the general employee population to get information
- B. Conducting business continuity and disaster recovery training for those who have a direct role in the recovery
- C. Designing business continuity and disaster recovery training programs for different audiences
- D. Publishing a corporate business continuity and disaster recovery plan on the corporate website

Answer: C

NEW QUESTION 842

- (Exam Topic 13)

What is the correct order of steps in an information security assessment?

Place the information security assessment steps on the left next to the numbered boxes on the right in the correct order.

Actions

- Define the perimeter.
- Identify the vulnerability.
- Assess the risk.
- Determine the actions.

Steps

- Step 1
- Step 2
- Step 3
- Step 4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

- Define the perimeter.
- Identify the vulnerability.
- Assess the risk.
- Determine the actions.

Steps

- Identify the vulnerability.
- Define the perimeter.
- Assess the risk.
- Determine the actions.
- Step 1
- Step 2
- Step 3
- Step 4

NEW QUESTION 843

- (Exam Topic 13)

A company receives an email threat informing of an Imminent Distributed Denial of Service (DDoS) attack

targeting its web application, unless ransom is paid. Which of the following techniques BEST addresses that threat?

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

Answer: D

NEW QUESTION 847

- (Exam Topic 13)

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

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

or `1=1`

What type of attack does this indicate?

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

Answer: C

NEW QUESTION 852

- (Exam Topic 13)

Who would be the BEST person to approve an organizations information security policy?

- A. Chief Information Officer (CIO)
- B. Chief Information Security Officer (CISO)
- C. Chief internal auditor
- D. Chief Executive Officer (CEO)

Answer: B

Explanation:

Section: Security Operations

NEW QUESTION 857

- (Exam Topic 13)

Which of the following management process allows ONLY those services required for users to accomplish their tasks, change default user passwords, and set servers to retrieve antivirus updates?

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

Answer: A

NEW QUESTION 858

- (Exam Topic 13)

Which of the following would BEST support effective testing of patch compatibility when patches are applied to an organization's systems?

- A. Standardized configurations for devices
- B. Standardized patch testing equipment
- C. Automated system patching
- D. Management support for patching

Answer: A

Explanation:

Section: Security Assessment and Testing

NEW QUESTION 862

- (Exam Topic 13)

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

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

Answer: C

NEW QUESTION 866

- (Exam Topic 13)

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

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

Answer: A

NEW QUESTION 871

- (Exam Topic 13)

Which of the following is a common feature of an Identity as a Service (IDaaS) solution?

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

Answer: A

NEW QUESTION 872

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