



ISC2

Exam Questions CISSP

Certified Information Systems Security Professional (CISSP)

NEW QUESTION 1

- (Exam Topic 1)

Intellectual property rights are PRIMARY concerned with which of the following?

- A. Owner's ability to realize financial gain
- B. Owner's ability to maintain copyright
- C. Right of the owner to enjoy their creation
- D. Right of the owner to control delivery method

Answer: D

NEW QUESTION 2

- (Exam Topic 3)

Which component of the Security Content Automation Protocol (SCAP) specification contains the data required to estimate the severity of vulnerabilities identified automated vulnerability assessments?

- A. Common Vulnerabilities and Exposures (CVE)
- B. Common Vulnerability Scoring System (CVSS)
- C. Asset Reporting Format (ARF)
- D. Open Vulnerability and Assessment Language (OVAL)

Answer: B

NEW QUESTION 3

- (Exam Topic 4)

Which of the following factors contributes to the weakness of Wired Equivalent Privacy (WEP) protocol?

- A. WEP uses a small range Initialization Vector (IV)
- B. WEP uses Message Digest 5 (MD5)
- C. WEP uses Diffie-Hellman
- D. WEP does not use any Initialization Vector (IV)

Answer: A

NEW QUESTION 4

- (Exam Topic 5)

A manufacturing organization wants to establish a Federated Identity Management (FIM) system with its 20 different supplier companies. Which of the following is the BEST solution for the manufacturing organization?

- A. Trusted third-party certification
- B. Lightweight Directory Access Protocol (LDAP)
- C. Security Assertion Markup language (SAML)
- D. Cross-certification

Answer: C

NEW QUESTION 5

- (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 6

- (Exam Topic 7)

What should be the FIRST action to protect the chain of evidence when a desktop computer is involved?

- A. Take the computer to a forensic lab
- B. Make a copy of the hard drive
- C. Start documenting
- D. Turn off the computer

Answer: C

NEW QUESTION 7

- (Exam Topic 7)

Which of the following is the FIRST step in the incident response process?

- A. Determine the cause of the incident
- B. Disconnect the system involved from the network
- C. Isolate and contain the system involved

D. Investigate all symptoms to confirm the incident

Answer: D

NEW QUESTION 8

- (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 9

- (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 10

- (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 10

- (Exam Topic 9)

An organization allows ping traffic into and out of their network. An attacker has installed a program on the network that uses the payload portion of the ping packet to move data into and out of the network. What type of attack has the organization experienced?

- A. Data leakage
- B. Unfiltered channel
- C. Data emanation
- D. Covert channel

Answer: D

NEW QUESTION 14

- (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 16

- (Exam Topic 9)

What technique BEST describes antivirus software that detects viruses by watching anomalous behavior?

- A. Signature
- B. Inference
- C. Induction
- D. Heuristic

Answer: D

NEW QUESTION 21

- (Exam Topic 9)

What is the term commonly used to refer to a technique of authenticating one machine to another by forging packets from a trusted source?

- A. Man-in-the-Middle (MITM) attack
- B. Smurfing
- C. Session redirect
- D. Spoofing

Answer: D

NEW QUESTION 25

- (Exam Topic 9)

Which one of the following considerations has the LEAST impact when considering transmission security?

- A. Network availability
- B. Data integrity
- C. Network bandwidth
- D. Node locations

Answer: C

NEW QUESTION 29

- (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 30

- (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 33

- (Exam Topic 9)

The process of mutual authentication involves a computer system authenticating a user and authenticating the

- A. user to the audit process.
- B. computer system to the user.
- C. user's access to all authorized objects.
- D. computer system to the audit process.

Answer: B

NEW QUESTION 34

- (Exam Topic 9)

A security professional has just completed their organization's Business Impact Analysis (BIA). Following Business Continuity Plan/Disaster Recovery Plan (BCP/DRP) best practices, what would be the professional's NEXT step?

- A. Identify and select recovery strategies.
- B. Present the findings to management for funding.
- C. Select members for the organization's recovery teams.
- D. Prepare a plan to test the organization's ability to recover its operations.

Answer: A

NEW QUESTION 35

- (Exam Topic 9)

The PRIMARY purpose of a security awareness program is to

- A. ensure that everyone understands the organization's policies and procedures.
- B. communicate that access to information will be granted on a need-to-know basis.
- C. warn all users that access to all systems will be monitored on a daily basis.
- D. comply with regulations related to data and information protection.

Answer: A

NEW QUESTION 37

- (Exam Topic 9)

Which of the following is an essential element of a privileged identity lifecycle management?

- A. Regularly perform account re-validation and approval
- B. Account provisioning based on multi-factor authentication
- C. Frequently review performed activities and request justification
- D. Account information to be provided by supervisor or line manager

Answer: A

NEW QUESTION 42

- (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 45

- (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 46

- (Exam Topic 9)

The use of strong authentication, the encryption of Personally Identifiable Information (PII) on database servers, application security reviews, and the encryption of data transmitted across networks provide

- A. data integrity.
- B. defense in depth.
- C. data availability.
- D. non-repudiation.

Answer: B

NEW QUESTION 48

- (Exam Topic 9)

Which of the following is the BEST way to verify the integrity of a software patch?

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

Answer: A

NEW QUESTION 53

- (Exam Topic 9)

Which of the following is TRUE about Disaster Recovery Plan (DRP) testing?

- A. Operational networks are usually shut down during testing.
- B. Testing should continue even if components of the test fail.
- C. The company is fully prepared for a disaster if all tests pass.
- D. Testing should not be done until the entire disaster plan can be tested.

Answer: B

NEW QUESTION 58

- (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 63

- (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 68

- (Exam Topic 9)

Which of the following is a network intrusion detection technique?

- A. Statistical anomaly
- B. Perimeter intrusion
- C. Port scanning
- D. Network spoofing

Answer: A

NEW QUESTION 71

- (Exam Topic 9)

A software scanner identifies a region within a binary image having high entropy. What does this MOST likely indicate?

- A. Encryption routines
- B. Random number generator
- C. Obfuscated code
- D. Botnet command and control

Answer: C

NEW QUESTION 72

- (Exam Topic 9)

Which of the following is an effective method for avoiding magnetic media data remanence?

- A. Degaussing
- B. Encryption
- C. Data Loss Prevention (DLP)
- D. Authentication

Answer: A

NEW QUESTION 77

- (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 80

- (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 81

- (Exam Topic 9)

Which of the following MUST be done when promoting a security awareness program to senior management?

- A. Show the need for security; identify the message and the audience
- B. Ensure that the security presentation is designed to be all-inclusive
- C. Notify them that their compliance is mandatory
- D. Explain how hackers have enhanced information security

Answer: A

NEW QUESTION 83

- (Exam Topic 9)

Which of the following is the BEST mitigation from phishing attacks?

- A. Network activity monitoring
- B. Security awareness training
- C. Corporate policy and procedures
- D. Strong file and directory permissions

Answer: B

NEW QUESTION 85

- (Exam Topic 9)

An organization is designing a large enterprise-wide document repository system. They plan to have several different classification level areas with increasing levels of controls. The BEST way to ensure document confidentiality in the repository is to

- A. encrypt the contents of the repository and document any exceptions to that requirement.
- B. utilize Intrusion Detection System (IDS) set drop connections if too many requests for documents are detected.
- C. keep individuals with access to high security areas from saving those documents into lower security areas.
- D. require individuals with access to the system to sign Non-Disclosure Agreements (NDA).

Answer: C

NEW QUESTION 87

- (Exam Topic 9)

A system has been scanned for vulnerabilities and has been found to contain a number of communication ports that have been opened without authority. To which of the following might this system have been subjected?

- A. Trojan horse
- B. Denial of Service (DoS)
- C. Spoofing
- D. Man-in-the-Middle (MITM)

Answer: A

NEW QUESTION 91

- (Exam Topic 9)

Which of the following BEST represents the principle of open design?

- A. Disassembly, analysis, or reverse engineering will reveal the security functionality of the computer system.
- B. Algorithms must be protected to ensure the security and interoperability of the designed system.
- C. A knowledgeable user should have limited privileges on the system to prevent their ability to compromise security capabilities.
- D. The security of a mechanism should not depend on the secrecy of its design or implementation.

Answer: D

NEW QUESTION 95

- (Exam Topic 9)

Two companies wish to share electronic inventory and purchase orders in a supplier and client relationship. What is the BEST security solution for them?

- A. Write a Service Level Agreement (SLA) for the two companies.
- B. Set up a Virtual Private Network (VPN) between the two companies.
- C. Configure a firewall at the perimeter of each of the two companies.
- D. Establish a File Transfer Protocol (FTP) connection between the two companies.

Answer: B

NEW QUESTION 99

- (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 102

- (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 104

- (Exam Topic 10)

Refer to the information below to answer the question.

An organization experiencing a negative financial impact is forced to reduce budgets and the number of Information Technology (IT) operations staff performing basic logical access security administration

functions. Security processes have been tightly integrated into normal IT operations and are not separate and distinct roles.

Which of the following will be the PRIMARY security concern as staff is released from the organization?

- A. Inadequate IT support
- B. Loss of data and separation of duties
- C. Undocumented security controls
- D. Additional responsibilities for remaining staff

Answer: B

NEW QUESTION 109

- (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 111

- (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 112

- (Exam Topic 10)

Multi-Factor Authentication (MFA) is necessary in many systems given common types of password attacks. Which of the following is a correct list of password attacks?

- A. Masquerading, salami, malware, polymorphism
- B. Brute force, dictionary, phishing, keylogger
- C. Zeus, netbus, rabbit, turtle
- D. Token, biometrics, IDS, DLP

Answer: B

NEW QUESTION 114

- (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 115

- (Exam Topic 10)

Which of the following is required to determine classification and ownership?

- A. System and data resources are properly identified
- B. Access violations are logged and audited
- C. Data file references are identified and linked
- D. System security controls are fully integrated

Answer: A

NEW QUESTION 119

- (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 122

- (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		Authenticatid

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 125

- (Exam Topic 10)

What is the BEST first step for determining if the appropriate security controls are in place for protecting data at rest?

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

Answer: B

NEW QUESTION 128

- (Exam Topic 10)

Which of the following is a critical factor for implementing a successful data classification program?

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

Answer: A

NEW QUESTION 131

- (Exam Topic 10)

Which of the following is a detective access control mechanism?

- A. Log review

- B. Least privilege
- C. Password complexity
- D. Non-disclosure agreement

Answer: A

NEW QUESTION 134

- (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 137

- (Exam Topic 10)

Which of the following is the MOST crucial for a successful audit plan?

- A. Defining the scope of the audit to be performed
- B. Identifying the security controls to be implemented
- C. Working with the system owner on new controls
- D. Acquiring evidence of systems that are not compliant

Answer: A

NEW QUESTION 141

- (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 142

- (Exam Topic 10)

Refer to the information below to answer the question.

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

Following best practice, where should the permitted access for each department and job classification combination be specified?

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

Answer: B

NEW QUESTION 145

- (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 148

- (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.

In addition to authentication at the start of the user session, best practice would require re-authentication

- A. periodically during a session.
- B. for each business process.
- C. at system sign-off.
- D. after a period of inactivity.

Answer: D

NEW QUESTION 151

- (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 155

- (Exam Topic 10)

Refer to the information below to answer the question.

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

When determining appropriate resource allocation, which of the following is MOST important to monitor?

- A. Number of system compromises
- B. Number of audit findings
- C. Number of staff reductions
- D. Number of additional assets

Answer: B

NEW QUESTION 158

- (Exam Topic 10)

When using third-party software developers, which of the following is the MOST effective method of providing software development Quality Assurance (QA)?

- A. Retain intellectual property rights through contractual wording.
- B. Perform overlapping code reviews by both parties.
- C. Verify that the contractors attend development planning meetings.
- D. Create a separate contractor development environment.

Answer: B

NEW QUESTION 161

- (Exam Topic 11)

Which of the following is generally indicative of a replay attack when dealing with biometric authentication?

- A. False Acceptance Rate (FAR) is greater than 1 in 100,000
- B. False Rejection Rate (FRR) is greater than 5 in 100
- C. Inadequately specified templates
- D. Exact match

Answer: D

NEW QUESTION 163

- (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 164

- (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 166

- (Exam Topic 11)

Which of the following is the BEST approach to take in order to effectively incorporate the concepts of business continuity into the organization?

- A. Ensure end users are aware of the planning activities
- B. Validate all regulatory requirements are known and fully documented
- C. Develop training and awareness programs that involve all stakeholders
- D. Ensure plans do not violate the organization's cultural objectives and goals

Answer: C

NEW QUESTION 167

- (Exam Topic 11)

How can lessons learned from business continuity training and actual recovery incidents BEST be used?

- A. As a means for improvement
- B. As alternative options for awareness and training
- C. As indicators of a need for policy
- D. As business function gap indicators

Answer: A

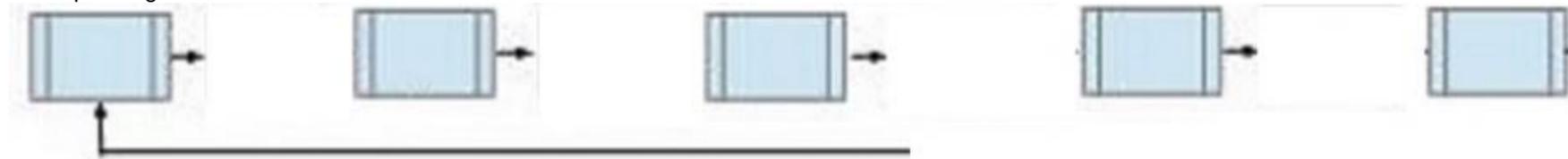
NEW QUESTION 172

- (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?

Below are the common phases to creating a Business Continuity/Disaster Recovery (BC/DR) plan. Drag the remaining BC\DR phases to the appropriate corresponding location.



- Risk Assessment
- Business Impact Analysis
- Mitigation Strategy Development
- BC\DR Plan Development
- Training, Testing & Auditing
- Plan Maintenance

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



- Risk Assessment
- Business Impact Analysis
- Mitigation Strategy Development
- BC\DR Plan Development
- Training, Testing & Auditing
- Plan Maintenance

NEW QUESTION 177

- (Exam Topic 11)

Which of the following analyses is performed to protect information assets?

- A. Business impact analysis
- B. Feasibility analysis
- C. Cost benefit analysis
- D. Data analysis

Answer: A

NEW QUESTION 179

- (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 183

- (Exam Topic 11)

Which of the following roles has the obligation to ensure that a third party provider is capable of processing and handling data in a secure manner and meeting the standards set by the organization?

- A. Data Custodian
- B. Data Owner
- C. Data Creator
- D. Data User

Answer: B

NEW QUESTION 186

- (Exam Topic 11)

Which security approach will BEST minimize Personally Identifiable Information (PII) loss from a data breach?

- A. A strong breach notification process
- B. Limited collection of individuals' confidential data
- C. End-to-end data encryption for data in transit
- D. Continuous monitoring of potential vulnerabilities

Answer: B

NEW QUESTION 188

- (Exam Topic 11)

The World Trade Organization's (WTO) agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS) requires authors of computer software to be given the

- A. right to refuse or permit commercial rentals.
- B. right to disguise the software's geographic origin.
- C. ability to tailor security parameters based on location.
- D. ability to confirm license authenticity of their works.

Answer: A

NEW QUESTION 192

- (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 194

- (Exam Topic 11)

After acquiring the latest security updates, what must be done before deploying to production systems?

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

Answer: B

NEW QUESTION 196

- (Exam Topic 11)

To protect auditable information, which of the following MUST be configured to only allow read access?

- A. Logging configurations
- B. Transaction log files
- C. User account configurations
- D. Access control lists (ACL)

Answer: B

NEW QUESTION 200

- (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 205

- (Exam Topic 11)

For privacy protected data, which of the following roles has the highest authority for establishing dissemination rules for the data?

- A. Information Systems Security Officer
- B. Data Owner
- C. System Security Architect
- D. Security Requirements Analyst

Answer: B

NEW QUESTION 206

- (Exam Topic 11)

The PRIMARY characteristic of a Distributed Denial of Service (DDoS) attack is that it

- A. exploits weak authentication to penetrate networks.
- B. can be detected with signature analysis.
- C. looks like normal network activity.
- D. is commonly confused with viruses or worms.

Answer: C

NEW QUESTION 209

- (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 214

- (Exam Topic 11)

Which of the following statements is TRUE regarding value boundary analysis as a functional software testing technique?

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

Answer: C

NEW QUESTION 219

- (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 221

- (Exam Topic 11)

Software Code signing is used as a method of verifying what security concept?

- A. Integrity
- B. Confidentiality
- C. Availability
- D. Access Control

Answer: A

NEW QUESTION 222

- (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 225

- (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 227

- (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 229

- (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 234

- (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 236

- (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 240

- (Exam Topic 11)

The 802.1x standard provides a framework for what?

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

Answer: B

NEW QUESTION 242

- (Exam Topic 11)

By carefully aligning the pins in the lock, which of the following defines the opening of a mechanical lock without the proper key?

- A. Lock pinging
- B. Lock picking
- C. Lock bumping
- D. Lock bricking

Answer: B

NEW QUESTION 244

- (Exam Topic 12)

A proxy firewall operates at what layer of the Open System Interconnection (OSI) model?

- A. Transport
- B. Data link
- C. Network
- D. Application

Answer: D

NEW QUESTION 247

- (Exam Topic 12)

Which of the following is the BEST method to reduce the effectiveness of phishing attacks?

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

Answer: A

NEW QUESTION 248

- (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 250

- (Exam Topic 12)

Which of the following is a strategy of grouping requirements in developing a Security Test and Evaluation (ST&E)?

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

Answer: B

NEW QUESTION 254

- (Exam Topic 12)

Which of the following is the MOST important goal of information asset valuation?

- A. Developing a consistent and uniform method of controlling access on information assets
- B. Developing appropriate access control policies and guidelines
- C. Assigning a financial value to an organization's information assets
- D. Determining the appropriate level of protection

Answer: D

NEW QUESTION 255

- (Exam Topic 12)

Which of the following restricts the ability of an individual to carry out all the steps of a particular process?

- A. Job rotation
- B. Separation of duties
- C. Least privilege
- D. Mandatory vacations

Answer: B

NEW QUESTION 256

- (Exam Topic 12)

What is the BEST way to encrypt web application communications?

- A. Secure Hash Algorithm 1 (SHA-1)
- B. Secure Sockets Layer (SSL)
- C. Cipher Block Chaining Message Authentication Code (CBC-MAC)
- D. Transport Layer Security (TLS)

Answer: D

NEW QUESTION 260

- (Exam Topic 12)

How does a Host Based Intrusion Detection System (HIDS) identify a potential attack?

- A. Examines log messages or other indications on the system.
- B. Monitors alarms sent to the system administrator
- C. Matches traffic patterns to virus signature files
- D. Examines the Access Control List (ACL)

Answer: C

NEW QUESTION 261

- (Exam Topic 12)

Which of the following BEST represents the concept of least privilege?

- A. Access to an object is denied unless access is specifically allowed.
- B. Access to an object is only available to the owner.
- C. Access to an object is allowed unless it is protected by the information security policy.
- D. Access to an object is only allowed to authenticated users via an Access Control List (ACL).

Answer: A

NEW QUESTION 263

- (Exam Topic 12)

Which of the following is the PRIMARY reason for employing physical security personnel at entry points in facilities where card access is in operation?

- A. To verify that only employees have access to the facility.
- B. To identify present hazards requiring remediation.
- C. To monitor staff movement throughout the facility.
- D. To provide a safe environment for employees.

Answer: D

NEW QUESTION 264

- (Exam Topic 12)

Which of the following is BEST suited for exchanging authentication and authorization messages in a multi-party decentralized environment?

- A. Lightweight Directory Access Protocol (LDAP)
- B. Security Assertion Markup Language (SAML)
- C. Internet Mail Access Protocol
- D. Transport Layer Security (TLS)

Answer: B

NEW QUESTION 267

- (Exam Topic 12)

Which of the following is the MOST important consideration when developing a Disaster Recovery Plan (DRP)?

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

Answer: C

NEW QUESTION 268

- (Exam Topic 12)

An organization regularly conducts its own penetration tests. Which of the following scenarios MUST be covered for the test to be effective?

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

Answer: C

NEW QUESTION 269

- (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 270

- (Exam Topic 12)

A user sends an e-mail request asking for read-only access to files that are not considered sensitive. A Discretionary Access Control (DAC) methodology is in place. Which is the MOST suitable approach that the administrator should take?

- A. Administrator should request data owner approval to the user access
- B. Administrator should request manager approval for the user access
- C. Administrator should directly grant the access to the non-sensitive files
- D. Administrator should assess the user access need and either grant or deny the access

Answer: A

NEW QUESTION 273

- (Exam Topic 12)

Reciprocal backup site agreements are considered to be

- A. a better alternative than the use of warm sites.
- B. difficult to test for complex systems.
- C. easy to implement for similar types of organizations.
- D. easy to test and implement for complex systems.

Answer: B

NEW QUESTION 275

- (Exam Topic 12)

What balance MUST be considered when web application developers determine how informative application error messages should be constructed?

- A. Risk versus benefit
- B. Availability versus auditability
- C. Confidentiality versus integrity
- D. Performance versus user satisfaction

Answer: A

NEW QUESTION 278

- (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 280

- (Exam Topic 13)

Which one of the following is an advantage of an effective release control strategy from a configuration control standpoint?

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

Answer: C

NEW QUESTION 282

- (Exam Topic 13)

What is the MAIN goal of information security awareness and training?

- A. To inform users of the latest malware threats
- B. To inform users of information assurance responsibilities
- C. To comply with the organization information security policy
- D. To prepare students for certification

Answer: B

NEW QUESTION 284

- (Exam Topic 13)

Due to system constraints, a group of system administrators must share a high-level access set of credentials. Which of the following would be MOST appropriate to implement?

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

Answer: C

Explanation:

Section: Security Operations

NEW QUESTION 289

- (Exam Topic 13)

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

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

Answer: D

NEW QUESTION 290

- (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 292

- (Exam Topic 13)

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

Security Engineering Term

Definition

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

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.

Protection Needs Assessment

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

Threat Assessment

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

Protection Needs Assessment - 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 be asset be lost, modified, degraded, disrupted, compromised, or become unavailable.

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

Security Risk Treatment - The method used to identify feasible security risk mitigation options and plans.

NEW QUESTION 295

- (Exam Topic 13)

Which of the following mechanisms will BEST prevent a Cross-Site Request Forgery (CSRF) attack?

- A. parameterized database queries
- B. whitelist input values
- C. synchronized session tokens
- D. use strong ciphers

Answer: C

NEW QUESTION 297

- (Exam Topic 13)

What is the MAIN purpose of a change management policy?

- A. To assure management that changes to the Information Technology (IT) infrastructure are necessary
- B. To identify the changes that may be made to the Information Technology (IT) infrastructure
- C. To verify that changes to the Information Technology (IT) infrastructure are approved
- D. To determine the necessary for implementing modifications to the Information Technology (IT) infrastructure

Answer: C

Explanation:

Section: Security Operations

NEW QUESTION 300

- (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 305

- (Exam Topic 13)

Mandatory Access Controls (MAC) are based on:

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

Answer: A

NEW QUESTION 309

- (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 313

- (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 315

- (Exam Topic 13)

Which of the following is a responsibility of the information owner?

- A. Ensure that users and personnel complete the required security training to access the Information System (IS)
- B. Defining proper access to the Information System (IS), including privileges or access rights
- C. Managing identification, implementation, and assessment of common security controls
- D. Ensuring the Information System (IS) is operated according to agreed upon security requirements

Answer: C

NEW QUESTION 319

- (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 321

- (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		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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 322

- (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 324

- (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 325

- (Exam Topic 13)

Which of the following MUST be scalable to address security concerns raised by the integration of third-party identity services?

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

Answer: D

NEW QUESTION 326

- (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 329

- (Exam Topic 13)

When developing a business case for updating a security program, the security program owner MUST do which of the following?

- A. Identify relevant metrics
- B. Prepare performance test reports
- C. Obtain resources for the security program
- D. Interview executive management

Answer: A

NEW QUESTION 331

- (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 333

- (Exam Topic 13)

Which of the following is part of a Trusted Platform Module (TPM)?

- A. A non-volatile tamper-resistant storage for storing both data and signing keys in a secure fashion
- B. A protected Pre-Basic Input/Output System (BIOS) which specifies a method or a metric for "measuring" the state of a computing platform
- C. A secure processor targeted at managing digital keys and accelerating digital signing
- D. A platform-independent software interface for accessing computer functions

Answer: A

NEW QUESTION 337

- (Exam Topic 13)

What does a Synchronous (SYN) flood attack do?

- A. Forces Transmission Control Protocol /Internet Protocol (TCP/IP) connections into a reset state
- B. Establishes many new Transmission Control Protocol / Internet Protocol (TCP/IP) connections
- C. Empties the queue of pending Transmission Control Protocol /Internet Protocol (TCP/IP) requests
- D. Exceeds the limits for new Transmission Control Protocol /Internet Protocol (TCP/IP) connections

Answer: B

NEW QUESTION 338

- (Exam Topic 13)

Which of the following is the MOST appropriate action when reusing media that contains sensitive data?

- A. Erase
- B. Sanitize
- C. Encrypt
- D. Degauss

Answer: B

NEW QUESTION 341

- (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 342

- (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 347

- (Exam Topic 13)

Which of the following provides the MOST comprehensive filtering of Peer-to-Peer (P2P) traffic?

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

Answer: A

NEW QUESTION 351

- (Exam Topic 13)

A post-implementation review has identified that the Voice Over Internet Protocol (VoIP) system was designed to have gratuitous Address Resolution Protocol (ARP) disabled.

Why did the network architect likely design the VoIP system with gratuitous ARP disabled?

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

Answer: D

NEW QUESTION 353

- (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 355

- (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 356

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