

Exam Questions 712-50

EC-Council Certified CISO (CCISO)

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NEW QUESTION 1

One of the MAIN goals of a Business Continuity Plan is to

- A. Ensure all infrastructure and applications are available in the event of a disaster
- B. Allow all technical first-responders to understand their roles in the event of a disaster
- C. Provide step by step plans to recover business processes in the event of a disaster
- D. Assign responsibilities to the technical teams responsible for the recovery of all data.

Answer: C

NEW QUESTION 2

A security manager has created a risk program. Which of the following is a critical part of ensuring the program is successful?

- A. Providing a risk program governance structure
- B. Ensuring developers include risk control comments in code
- C. Creating risk assessment templates based on specific threats
- D. Allowing for the acceptance of risk for regulatory compliance requirements

Answer: A

NEW QUESTION 3

Regulatory requirements typically force organizations to implement

- A. Mandatory controls
- B. Discretionary controls
- C. Optional controls
- D. Financial controls

Answer: A

NEW QUESTION 4

Credit card information, medical data, and government records are all examples of:

- A. Confidential/Protected Information
- B. Bodily Information
- C. Territorial Information
- D. Communications Information

Answer: A

NEW QUESTION 5

Which of the following are the MOST important factors for proactively determining system vulnerabilities?

- A. Subscribe to vendor mailing list to get notification of system vulnerabilities
- B. Deploy Intrusion Detection System (IDS) and install anti-virus on systems
- C. Configure firewall, perimeter router and Intrusion Prevention System (IPS)
- D. Conduct security testing, vulnerability scanning, and penetration testing

Answer: D

NEW QUESTION 6

Which of the following intellectual Property components is focused on maintaining brand recognition?

- A. Trademark
- B. Patent
- C. Research Logs
- D. Copyright

Answer: A

NEW QUESTION 7

A business unit within your organization intends to deploy a new technology in a manner that places it in violation of existing information security standards. What immediate action should the information security manager take?

- A. Enforce the existing security standards and do not allow the deployment of the new technology.
- B. Amend the standard to permit the deployment.
- C. If the risks associated with that technology are not already identified, perform a risk analysis to quantify the risk, and allow the business unit to proceed based on the identified risk level.
- D. Permit a 90-day window to see if an issue occurs and then amend the standard if there are no issues.

Answer: C

NEW QUESTION 8

What is the definition of Risk in Information Security?

- A. Risk = Probability x Impact
- B. Risk = Threat x Probability
- C. Risk = Financial Impact x Probability
- D. Risk = Impact x Threat

Answer: A

NEW QUESTION 9

When managing the security architecture for your company you must consider:

- A. Security and IT Staff size
- B. Company Values
- C. Budget
- D. All of the above

Answer: D

NEW QUESTION 10

What role should the CISO play in properly scoping a PCI environment?

- A. Validate the business units' suggestions as to what should be included in the scoping process
- B. Work with a Qualified Security Assessor (QSA) to determine the scope of the PCI environment
- C. Ensure internal scope validation is completed and that an assessment has been done to discover all credit card data
- D. Complete the self-assessment questionnaire and work with an Approved Scanning Vendor (ASV) to determine scope

Answer: C

NEW QUESTION 10

From an information security perspective, information that no longer supports the main purpose of the business should be:

- A. assessed by a business impact analysis.
- B. protected under the information classification policy.
- C. analyzed under the data ownership policy.
- D. analyzed under the retention policy

Answer: D

NEW QUESTION 11

What is the SECOND step to creating a risk management methodology according to the National Institute of Standards and Technology (NIST) SP 800-30 standard?

- A. Determine appetite
- B. Evaluate risk avoidance criteria
- C. Perform a risk assessment
- D. Mitigate risk

Answer: D

NEW QUESTION 12

When would it be more desirable to develop a set of decentralized security policies and procedures within an enterprise environment?

- A. When there is a need to develop a more unified incident response capability.
- B. When the enterprise is made up of many business units with diverse business activities, risks profiles and regulatory requirements.
- C. When there is a variety of technologies deployed in the infrastructure.
- D. When it results in an overall lower cost of operating the security program.

Answer: B

NEW QUESTION 16

Which of the following is the MOST important for a CISO to understand when identifying threats?

- A. How vulnerabilities can potentially be exploited in systems that impact the organization
- B. How the security operations team will behave to reported incidents
- C. How the firewall and other security devices are configured to prevent attacks
- D. How the incident management team prepares to handle an attack

Answer: A

NEW QUESTION 20

The success of the Chief Information Security Officer is MOST dependent upon:

- A. favorable audit findings
- B. following the recommendations of consultants and contractors

- C. development of relationships with organization executives
- D. raising awareness of security issues with end users

Answer: C

NEW QUESTION 24

The Information Security Governance program MUST:

- A. integrate with other organizational governance processes
- B. support user choice for Bring Your Own Device (BYOD)
- C. integrate with other organizational governance processes
- D. show a return on investment for the organization

Answer: A

NEW QUESTION 27

What is the first thing that needs to be completed in order to create a security program for your organization?

- A. Risk assessment
- B. Security program budget
- C. Business continuity plan
- D. Compliance and regulatory analysis

Answer: A

NEW QUESTION 28

What should an organization do to ensure that they have a sound Business Continuity (BC) Plan?

- A. Test every three years to ensure that things work as planned
- B. Conduct periodic tabletop exercises to refine the BC plan
- C. Outsource the creation and execution of the BC plan to a third party vendor
- D. Conduct a Disaster Recovery (DR) exercise every year to test the plan

Answer: B

NEW QUESTION 29

When choosing a risk mitigation method what is the MOST important factor?

- A. Approval from the board of directors
- B. Cost of the mitigation is less than the risk
- C. Metrics of mitigation method success
- D. Mitigation method complies with PCI regulations

Answer: B

NEW QUESTION 33

Risk appetite directly affects what part of a vulnerability management program?

- A. Staff
- B. Scope
- C. Schedule
- D. Scan tools

Answer: B

NEW QUESTION 36

When briefing senior management on the creation of a governance process, the MOST important aspect should be:

- A. information security metrics.
- B. knowledge required to analyze each issue.
- C. baseline against which metrics are evaluated.
- D. linkage to business area objectives.

Answer: D

NEW QUESTION 41

Why is it vitally important that senior management endorse a security policy?

- A. So that they will accept ownership for security within the organization.
- B. So that employees will follow the policy directives.
- C. So that external bodies will recognize the organizations commitment to security.
- D. So that they can be held legally accountable.

Answer: A

NEW QUESTION 44

The purpose of NIST SP 800-53 as part of the NIST System Certification and Accreditation Project is to establish a set of standardized, minimum security controls for IT systems addressing low, moderate, and high levels of concern for

- A. Confidentiality, Integrity and Availability
- B. Assurance, Compliance and Availability
- C. International Compliance
- D. Integrity and Availability

Answer: A

NEW QUESTION 45

A company wants to fill a Chief Information Security Officer position in the organization. They need to define and implement a more holistic security program. Which of the following qualifications and experience would be MOST desirable to find in a candidate?

- A. Multiple certifications, strong technical capabilities and lengthy resume
- B. Industry certifications, technical knowledge and program management skills
- C. College degree, audit capabilities and complex project management
- D. Multiple references, strong background check and industry certifications

Answer: B

NEW QUESTION 48

Developing effective security controls is a balance between:

- A. Risk Management and Operations
- B. Corporate Culture and Job Expectations
- C. Operations and Regulations
- D. Technology and Vendor Management

Answer: A

NEW QUESTION 52

What is the MAIN reason for conflicts between Information Technology and Information Security programs?

- A. Technology governance defines technology policies and standards while security governance does not.
- B. Security governance defines technology best practices and Information Technology governance does not.
- C. Technology Governance is focused on process risks whereas Security Governance is focused on business risk.
- D. The effective implementation of security controls can be viewed as an inhibitor to rapid Information Technology implementations.

Answer: D

NEW QUESTION 54

The PRIMARY objective for information security program development should be:

- A. Reducing the impact of the risk to the business.
- B. Establishing strategic alignment with business continuity requirements
- C. Establishing incident response programs.
- D. Identifying and implementing the best security solutions.

Answer: A

NEW QUESTION 59

Which of the following is a weakness of an asset or group of assets that can be exploited by one or more threats?

- A. Threat
- B. Vulnerability
- C. Attack vector
- D. Exploitation

Answer: B

NEW QUESTION 62

A security officer wants to implement a vulnerability scanning program. The officer is uncertain of the state of vulnerability resiliency within the organization's large IT infrastructure. What would be the BEST approach to minimize scan data output while retaining a realistic view of system vulnerability?

- A. Scan a representative sample of systems
- B. Perform the scans only during off-business hours
- C. Decrease the vulnerabilities within the scan tool settings
- D. Filter the scan output so only pertinent data is analyzed

Answer: A

NEW QUESTION 66

An organization's firewall technology needs replaced. A specific technology has been selected that is less costly than others and lacking in some important capabilities. The security officer has voiced concerns about sensitive data breaches but the decision is made to purchase. What does this selection indicate?

- A. A high threat environment
- B. A low risk tolerance environment
- C. A low vulnerability environment
- D. A high risk tolerance environment

Answer: D

NEW QUESTION 69

Which of the following is a benefit of information security governance?

- A. Questioning the trust in vendor relationships.
- B. Increasing the risk of decisions based on incomplete management information.
- C. Direct involvement of senior management in developing control processes
- D. Reduction of the potential for civil and legal liability

Answer: D

NEW QUESTION 74

The single most important consideration to make when developing your security program, policies, and processes is:

- A. Budgeting for unforeseen data compromises
- B. Streamlining for efficiency
- C. Alignment with the business
- D. Establishing your authority as the Security Executive

Answer: C

NEW QUESTION 76

The Information Security Management program MUST protect:

- A. all organizational assets
- B. critical business processes and /or revenue streams
- C. intellectual property released into the public domain
- D. against distributed denial of service attacks

Answer: B

NEW QUESTION 78

The PRIMARY objective of security awareness is to:

- A. Ensure that security policies are read.
- B. Encourage security-conscious employee behavior.
- C. Meet legal and regulatory requirements.
- D. Put employees on notice in case follow-up action for noncompliance is necessary

Answer: B

NEW QUESTION 79

Which of the following is of MOST importance when security leaders of an organization are required to align security to influence the culture of an organization?

- A. Poses a strong technical background
- B. Understand all regulations affecting the organization
- C. Understand the business goals of the organization
- D. Poses a strong auditing background

Answer: C

NEW QUESTION 83

Ensuring that the actions of a set of people, applications and systems follow the organization's rules is BEST described as:

- A. Risk management
- B. Security management
- C. Mitigation management
- D. Compliance management

Answer: D

NEW QUESTION 87

Which of the following international standards can be BEST used to define a Risk Management process in an organization?

- A. National Institute for Standards and Technology 800-50 (NIST 800-50)
- B. International Organization for Standardizations – 27005 (ISO-27005)

- C. Payment Card Industry Data Security Standards (PCI-DSS)
- D. International Organization for Standardizations – 27004 (ISO-27004)

Answer: B

NEW QUESTION 91

You have recently drafted a revised information security policy. From whom should you seek endorsement in order to have the GREATEST chance for adoption and implementation throughout the entire organization?

- A. Chief Information Security Officer
- B. Chief Executive Officer
- C. Chief Information Officer
- D. Chief Legal Counsel

Answer: B

NEW QUESTION 94

Control Objectives for Information and Related Technology (COBIT) is which of the following?

- A. An Information Security audit standard
- B. An audit guideline for certifying secure systems and controls
- C. A framework for Information Technology management and governance
- D. A set of international regulations for Information Technology governance

Answer: C

NEW QUESTION 99

An employee successfully avoids becoming a victim of a sophisticated spear phishing attack due to knowledge gained through the corporate information security awareness program. What type of control has been effectively utilized?

- A. Management Control
- B. Technical Control
- C. Training Control
- D. Operational Control

Answer: D

NEW QUESTION 100

The regular review of a firewall ruleset is considered a

- A. Procedural control
- B. Organization control
- C. Technical control
- D. Management control

Answer: A

NEW QUESTION 103

How often should an environment be monitored for cyber threats, risks, and exposures?

- A. Weekly
- B. Monthly
- C. Quarterly
- D. Daily

Answer: D

NEW QUESTION 107

Which of the following best describes the purpose of the International Organization for Standardization (ISO) 27002 standard?

- A. To give information security management recommendations to those who are responsible for initiating, implementing, or maintaining security in their organization.
- B. To provide a common basis for developing organizational security standards
- C. To provide effective security management practice and to provide confidence in inter- organizational dealings
- D. To established guidelines and general principles for initiating, implementing, maintaining, and improving information security management within an organization

Answer: D

NEW QUESTION 108

Your IT auditor is reviewing significant events from the previous year and has identified some procedural oversights. Which of the following would be the MOST concerning?

- A. Lack of notification to the public of disclosure of confidential information.
- B. Lack of periodic examination of access rights
- C. Failure to notify police of an attempted intrusion

D. Lack of reporting of a successful denial of service attack on the network.

Answer: A

NEW QUESTION 109

You have implemented the new controls. What is the next step?

- A. Document the process for the stakeholders
- B. Monitor the effectiveness of the controls
- C. Update the audit findings report
- D. Perform a risk assessment

Answer: B

NEW QUESTION 111

Which of the following are necessary to formulate responses to external audit findings?

- A. Internal Audit, Management, and Technical Staff
- B. Internal Audit, Budget Authority, Management
- C. Technical Staff, Budget Authority, Management
- D. Technical Staff, Internal Audit, Budget Authority

Answer: C

NEW QUESTION 112

Creating a secondary authentication process for network access would be an example of?

- A. Nonlinearities in physical security performance metrics
- B. Defense in depth cost enumerated costs
- C. System hardening and patching requirements
- D. Anti-virus for mobile devices

Answer: A

NEW QUESTION 117

Which of the following is the PRIMARY purpose of International Organization for Standardization (ISO) 27001?

- A. Use within an organization to formulate security requirements and objectives
- B. Implementation of business-enabling information security
- C. Use within an organization to ensure compliance with laws and regulations
- D. To enable organizations that adopt it to obtain certifications

Answer: B

NEW QUESTION 118

You are the Chief Information Security Officer of a large, multinational bank and you suspect there is a flaw in a two factor authentication token management process. Which of the following represents your BEST course of action?

- A. Validate that security awareness program content includes information about the potential vulnerability
- B. Conduct a thorough risk assessment against the current implementation to determine system functions
- C. Determine program ownership to implement compensating controls
- D. Send a report to executive peers and business unit owners detailing your suspicions

Answer: B

NEW QUESTION 120

Assigning the role and responsibility of Information Assurance to a dedicated and independent security group is an example of:

- A. Detective Controls
- B. Proactive Controls
- C. Preemptive Controls
- D. Organizational Controls

Answer: D

NEW QUESTION 121

When a critical vulnerability has been discovered on production systems and needs to be fixed immediately, what is the BEST approach for a CISO to mitigate the vulnerability under tight budget constraints?

- A. Transfer financial resources from other critical programs
- B. Take the system off line until the budget is available
- C. Deploy countermeasures and compensating controls until the budget is available
- D. Schedule an emergency meeting and request the funding to fix the issue

Answer: C

NEW QUESTION 123

Which of the following are primary concerns for management with regard to assessing internal control objectives?

- A. Confidentiality, Availability, Integrity
- B. Compliance, Effectiveness, Efficiency
- C. Communication, Reliability, Cost
- D. Confidentiality, Compliance, Cost

Answer: B

NEW QUESTION 124

In MOST organizations which group periodically reviews network intrusion detection system logs for all systems as part of their daily tasks?

- A. Internal Audit
- B. Database Administration
- C. Information Security
- D. Compliance

Answer: C

NEW QUESTION 129

Which of the following represents the BEST reason for an organization to use the Control Objectives for Information and Related Technology (COBIT) as an Information Technology (IT) framework?

- A. It allows executives to more effectively monitor IT implementation costs
- B. Implementation of it eases an organization's auditing and compliance burden
- C. Information Security (IS) procedures often require augmentation with other standards
- D. It provides for a consistent and repeatable staffing model for technology organizations

Answer: B

NEW QUESTION 131

Dataflow diagrams are used by IT auditors to:

- A. Order data hierarchically.
- B. Highlight high-level data definitions.
- C. Graphically summarize data paths and storage processes.
- D. Portray step-by-step details of data generation.

Answer: C

NEW QUESTION 132

Which of the following activities results in change requests?

- A. Preventive actions
- B. Inspection
- C. Defect repair
- D. Corrective actions

Answer: A

NEW QUESTION 137

Providing oversight of a comprehensive information security program for the entire organization is the primary responsibility of which group under the InfoSec governance framework?

- A. Senior Executives
- B. Office of the Auditor
- C. Office of the General Counsel
- D. All employees and users

Answer: A

NEW QUESTION 142

The effectiveness of an audit is measured by?

- A. The number of actionable items in the recommendations
- B. How it exposes the risk tolerance of the company
- C. How the recommendations directly support the goals of the company
- D. The number of security controls the company has in use

Answer: C

NEW QUESTION 147

An IT auditor has recently discovered that because of a shortage of skilled operations personnel, the security administrator has agreed to work one late night shift

a week as the senior computer operator. The most appropriate course of action for the IT auditor is to:

- A. Inform senior management of the risk involved.
- B. Agree to work with the security officer on these shifts as a form of preventative control.
- C. Develop a computer assisted audit technique to detect instances of abuses of the arrangement.
- D. Review the system log for each of the late night shifts to determine whether any irregular actions occurred.

Answer: A

NEW QUESTION 151

A new CISO just started with a company and on the CISO's desk is the last complete Information Security Management audit report. The audit report is over two years old. After reading it, what should be the CISO's FIRST priority?

- A. Have internal audit conduct another audit to see what has changed.
- B. Contract with an external audit company to conduct an unbiased audit
- C. Review the recommendations and follow up to see if audit implemented the changes
- D. Meet with audit team to determine a timeline for corrections

Answer: C

NEW QUESTION 154

Step-by-step procedures to regain normalcy in the event of a major earthquake is PRIMARILY covered by which of the following plans?

- A. Incident response plan
- B. Business Continuity plan
- C. Disaster recovery plan
- D. Damage control plan

Answer: C

NEW QUESTION 156

Which of the following best represents a calculation for Annual Loss Expectancy (ALE)?

- A. Single loss expectancy multiplied by the annual rate of occurrence
- B. Total loss expectancy multiplied by the total loss frequency
- C. Value of the asset multiplied by the loss expectancy
- D. Replacement cost multiplied by the single loss expectancy

Answer: A

NEW QUESTION 159

Which of the following is the MOST effective way to measure the effectiveness of security controls on a perimeter network?

- A. Perform a vulnerability scan of the network
- B. External penetration testing by a qualified third party
- C. Internal Firewall ruleset reviews
- D. Implement network intrusion prevention systems

Answer: B

NEW QUESTION 164

Which of the following activities must be completed BEFORE you can calculate risk?

- A. Determining the likelihood that vulnerable systems will be attacked by specific threats
- B. Calculating the risks to which assets are exposed in their current setting
- C. Assigning a value to each information asset
- D. Assessing the relative risk facing the organization's information assets

Answer: C

NEW QUESTION 165

Which represents PROPER separation of duties in the corporate environment?

- A. Information Security and Identity Access Management teams perform two distinct functions
- B. Developers and Network teams both have admin rights on servers
- C. Finance has access to Human Resources data
- D. Information Security and Network teams perform two distinct functions

Answer: D

NEW QUESTION 166

As a new CISO at a large healthcare company you are told that everyone has to badge in to get in the building. Below your office window you notice a door that is normally propped open during the day for groups of people to take breaks outside. Upon looking closer you see there is no badge reader. What should you do?

- A. Nothing, this falls outside your area of influence.

- B. Close and chain the door shut and send a company-wide memo banning the practice.
- C. Have a risk assessment performed.
- D. Post a guard at the door to maintain physical security

Answer: C

NEW QUESTION 171

The implementation of anti-malware and anti-phishing controls on centralized email servers is an example of what type of security control?

- A. Organization control
- B. Procedural control
- C. Management control
- D. Technical control

Answer: D

NEW QUESTION 176

An organization has implemented a change management process for all changes to the IT production environment. This change management process follows best practices and is expected to help stabilize the availability and integrity of the organization's IT environment. Which of the following can be used to measure the effectiveness of this newly implemented process:

- A. Number of change orders rejected
- B. Number and length of planned outages
- C. Number of unplanned outages
- D. Number of change orders processed

Answer: C

NEW QUESTION 177

The remediation of a specific audit finding is deemed too expensive and will not be implemented. Which of the following is a TRUE statement?

- A. The asset is more expensive than the remediation
- B. The audit finding is incorrect
- C. The asset being protected is less valuable than the remediation costs
- D. The remediation costs are irrelevant; it must be implemented regardless of cost.

Answer: C

NEW QUESTION 181

The patching and monitoring of systems on a consistent schedule is required by?

- A. Local privacy laws
- B. Industry best practices
- C. Risk Management frameworks
- D. Audit best practices

Answer: C

NEW QUESTION 185

The MOST common method to get an unbiased measurement of the effectiveness of an Information Security Management System (ISMS) is to

- A. assign the responsibility to the information security team.
- B. assign the responsibility to the team responsible for the management of the controls.
- C. create operational reports on the effectiveness of the controls.
- D. perform an independent audit of the security controls.

Answer: D

NEW QUESTION 187

The mean time to patch, number of virus outbreaks prevented, and number of vulnerabilities mitigated are examples of what type of performance metrics?

- A. Risk metrics
- B. Management metrics
- C. Operational metrics
- D. Compliance metrics

Answer: C

Explanation: Topic 3, Management – Projects and Operations (Projects, Technology & Operations)

NEW QUESTION 190

Your company has a “no right to privacy” notice on all logon screens for your information systems and users sign an Acceptable Use Policy informing them of this condition. A peer group member and friend comes to you and requests access to one of her employee's email account. What should you do? (choose the BEST answer):

- A. Grant her access, the employee has been adequately warned through the AUP.
- B. Assist her with the request, but only after her supervisor signs off on the action.
- C. Reset the employee's password and give it to the supervisor.
- D. Deny the request citing national privacy laws.

Answer: B

NEW QUESTION 193

Which of the following is considered one of the most frequent failures in project management?

- A. Overly restrictive management
- B. Excessive personnel on project
- C. Failure to meet project deadlines
- D. Insufficient resources

Answer: C

NEW QUESTION 196

You are the CISO of a commercial social media organization. The leadership wants to rapidly create new methods of sharing customer data through creative linkages with mobile devices. You have voiced concern about privacy regulations but the velocity of the business is given priority. Which of the following BEST describes this organization?

- A. Risk averse
- B. Risk tolerant
- C. Risk conditional
- D. Risk minimal

Answer: B

NEW QUESTION 197

Which of the following information may be found in table top exercises for incident response?

- A. Security budget augmentation
- B. Process improvements
- C. Real-time to remediate
- D. Security control selection

Answer: B

NEW QUESTION 201

When operating under severe budget constraints a CISO will have to be creative to maintain a strong security organization. Which example below is the MOST creative way to maintain a strong security posture during these difficult times?

- A. Download open source security tools and deploy them on your production network
- B. Download trial versions of commercially available security tools and deploy on your production network
- C. Download open source security tools from a trusted site, test, and then deploy on production network
- D. Download security tools from a trusted source and deploy to production network

Answer: C

NEW QUESTION 206

Your incident response plan should include which of the following?

- A. Procedures for litigation
- B. Procedures for reclamation
- C. Procedures for classification
- D. Procedures for charge-back

Answer: C

NEW QUESTION 210

A CISO sees abnormally high volumes of exceptions to security requirements and constant pressure from business units to change security processes. Which of the following represents the MOST LIKELY cause of this situation?

- A. Poor audit support for the security program
- B. A lack of executive presence within the security program
- C. Poor alignment of the security program to business needs
- D. This is normal since business units typically resist security requirements

Answer: C

NEW QUESTION 211

A department within your company has proposed a third party vendor solution to address an urgent, critical business need. As the CISO you have been asked to accelerate screening of their security control claims. Which of the following vendor provided documents is BEST to make your decision:

- A. Vendor's client list of reputable organizations currently using their solution
- B. Vendor provided attestation of the detailed security controls from a reputable accounting firm
- C. Vendor provided reference from an existing reputable client detailing their implementation
- D. Vendor provided internal risk assessment and security control documentation

Answer: B

NEW QUESTION 215

Which business stakeholder is accountable for the integrity of a new information system?

- A. CISO
- B. Compliance Officer
- C. Project manager
- D. Board of directors

Answer: A

NEW QUESTION 217

A person in your security team calls you at night and informs you that one of your web applications is potentially under attack from a cross-site scripting vulnerability. What do you do?

- A. tell him to shut down the server
- B. tell him to call the police
- C. tell him to invoke the incident response process
- D. tell him to analyze the problem, preserve the evidence and provide a full analysis and report

Answer: C

NEW QUESTION 222

A CISO decides to analyze the IT infrastructure to ensure security solutions adhere to the concepts of how hardware and software is implemented and managed within the organization. Which of the following principles does this best demonstrate?

- A. Alignment with the business
- B. Effective use of existing technologies
- C. Leveraging existing implementations
- D. Proper budget management

Answer: A

NEW QUESTION 226

A stakeholder is a person or group:

- A. Vested in the success and/or failure of a project or initiative regardless of budget implications.
- B. Vested in the success and/or failure of a project or initiative and is tied to the project budget.
- C. That has budget authority.
- D. That will ultimately use the system.

Answer: A

NEW QUESTION 229

A severe security threat has been detected on your corporate network. As CISO you quickly assemble key members of the Information Technology team and business operations to determine a modification to security controls in response to the threat. This is an example of:

- A. Change management
- B. Business continuity planning
- C. Security Incident Response
- D. Thought leadership

Answer: C

NEW QUESTION 231

Which of the following is considered a project versus a managed process?

- A. monitoring external and internal environment during incident response
- B. ongoing risk assessments of routine operations
- C. continuous vulnerability assessment and vulnerability repair
- D. installation of a new firewall system

Answer: D

NEW QUESTION 234

Which of the following functions implements and oversees the use of controls to reduce risk when creating an information security program?

- A. Risk Assessment
- B. Incident Response

- C. Risk Management
- D. Network Security administration

Answer: C

NEW QUESTION 237

Which of the following is a major benefit of applying risk levels?

- A. Risk management governance becomes easier since most risks remain low once mitigated
- B. Resources are not wasted on risks that are already managed to an acceptable level
- C. Risk budgets are more easily managed due to fewer identified risks as a result of using a methodology
- D. Risk appetite can increase within the organization once the levels are understood

Answer: B

NEW QUESTION 238

A newly appointed security officer finds data leakage software licenses that had never been used. The officer decides to implement a project to ensure it gets installed, but the project gets a great deal of resistance across the organization. Which of the following represents the MOST likely reason for this situation?

- A. The software license expiration is probably out of synchronization with other software licenses
- B. The project was initiated without an effort to get support from impacted business units in the organization
- C. The software is out of date and does not provide for a scalable solution across the enterprise
- D. The security officer should allow time for the organization to get accustomed to her presence before initiating security projects

Answer: B

NEW QUESTION 243

An example of professional unethical behavior is:

- A. Gaining access to an affiliated employee's work email account as part of an officially sanctioned internal investigation
- B. Sharing copyrighted material with other members of a professional organization where all members have legitimate access to the material
- C. Copying documents from an employer's server which you assert that you have an intellectual property claim to possess, but the company disputes
- D. Storing client lists and other sensitive corporate internal documents on a removable thumb drive

Answer: C

NEW QUESTION 247

When is an application security development project complete?

- A. When the application is retired.
- B. When the application turned over to production.
- C. When the application reaches the maintenance phase.
- D. After one year.

Answer: A

NEW QUESTION 248

When selecting a security solution with reoccurring maintenance costs after the first year (choose the BEST answer):

- A. The CISO should cut other essential programs to ensure the new solution's continued use
- B. Communicate future operating costs to the CIO/CFO and seek commitment from them to ensure the new solution's continued use
- C. Defer selection until the market improves and cash flow is positive
- D. Implement the solution and ask for the increased operating cost budget when it is time

Answer: B

NEW QUESTION 253

As the CISO for your company you are accountable for the protection of information resources commensurate with:

- A. Customer demand
- B. Cost and time to replace
- C. Insurability tables
- D. Risk of exposure

Answer: D

NEW QUESTION 258

A CISO implements smart cards for credential management, and as a result has reduced costs associated with help desk operations supporting password resets. This demonstrates which of the following principles?

- A. Security alignment to business goals
- B. Regulatory compliance effectiveness
- C. Increased security program presence
- D. Proper organizational policy enforcement

Answer: A

NEW QUESTION 261

A CISO has recently joined an organization with a poorly implemented security program. The desire is to base the security program on a risk management approach. Which of the following is a foundational requirement in order to initiate this type of program?

- A. A security organization that is adequately staffed to apply required mitigation strategies and regulatory compliance solutions
- B. A clear set of security policies and procedures that are more concept-based than controls-based
- C. A complete inventory of Information Technology assets including infrastructure, networks, applications and data
- D. A clearly identified executive sponsor who will champion the effort to ensure organizational buy-in

Answer: D

NEW QUESTION 262

To get an Information Security project back on schedule, which of the following will provide the MOST help?

- A. Upper management support
- B. More frequent project milestone meetings
- C. Stakeholder support
- D. Extend work hours

Answer: A

NEW QUESTION 265

Which of the following functions evaluates risk present in IT initiatives and/or systems when implementing an information security program?

- A. Risk Management
- B. Risk Assessment
- C. System Testing
- D. Vulnerability Assessment

Answer: B

NEW QUESTION 267

Which of the following represents the BEST method for obtaining business unit acceptance of security controls within an organization?

- A. Allow the business units to decide which controls apply to their systems, such as the encryption of sensitive data
- B. Create separate controls for the business units based on the types of business and functions they perform
- C. Ensure business units are involved in the creation of controls and defining conditions under which they must be applied
- D. Provide the business units with control mandates and schedules of audits for compliance validation

Answer: C

Explanation: Topic 4, Information Security Core Competencies

NEW QUESTION 272

As a CISO you need to understand the steps that are used to perform an attack against a network. Put each step into the correct order.

1.Covering tracks 2.Scanning and enumeration 3.Maintaining Access 4.Reconnaissance
5.Gaining Access

- A. 4, 2, 5, 3, 1
- B. 2, 5, 3, 1, 4
- C. 4, 5, 2, 3, 1
- D. 4, 3, 5, 2, 1

Answer: A

NEW QUESTION 274

Which of the following is the MAIN security concern for public cloud computing?

- A. Unable to control physical access to the servers
- B. Unable to track log on activity
- C. Unable to run anti-virus scans
- D. Unable to patch systems as needed

Answer: A

NEW QUESTION 278

The general ledger setup function in an enterprise resource package allows for setting accounting periods. Access to this function has been permitted to users in finance, the shipping department, and production scheduling. What is the most likely reason for such broad access?

- A. The need to change accounting periods on a regular basis.
- B. The requirement to post entries for a closed accounting period.
- C. The need to create and modify the chart of accounts and its allocations.

D. The lack of policies and procedures for the proper segregation of duties.

Answer: D

NEW QUESTION 279

One of your executives needs to send an important and confidential email. You want to ensure that the message cannot be read by anyone but the recipient. Which of the following keys should be used to encrypt the message?

- A. Your public key
- B. The recipient's private key
- C. The recipient's public key
- D. Certificate authority key

Answer: C

NEW QUESTION 282

The process of creating a system which divides documents based on their security level to manage access to private data is known as

- A. security coding
- B. data security system
- C. data classification
- D. privacy protection

Answer: C

NEW QUESTION 286

While designing a secondary data center for your company what document needs to be analyzed to determine to how much should be spent on building the data center?

- A. Enterprise Risk Assessment
- B. Disaster recovery strategic plan
- C. Business continuity plan
- D. Application mapping document

Answer: B

NEW QUESTION 287

Which of the following is a countermeasure to prevent unauthorized database access from web applications?

- A. Session encryption
- B. Removing all stored procedures
- C. Input sanitization
- D. Library control

Answer: C

NEW QUESTION 289

Which of the following is a symmetric encryption algorithm?

- A. 3DES
- B. MD5
- C. ECC
- D. RSA

Answer: A

NEW QUESTION 294

What is the term describing the act of inspecting all real-time Internet traffic (i.e., packets) traversing a major Internet backbone without introducing any apparent latency?

- A. Traffic Analysis
- B. Deep-Packet inspection
- C. Packet sampling
- D. Heuristic analysis

Answer: B

NEW QUESTION 297

The process for identifying, collecting, and producing digital information in support of legal proceedings is called

- A. chain of custody.
- B. electronic discovery.
- C. evidence tampering.
- D. electronic review.

Answer: B

NEW QUESTION 301

An access point (AP) is discovered using Wireless Equivalent Protocol (WEP). The ciphertext sent by the AP is encrypted with the same key and cipher used by its stations. What authentication method is being used?

- A. Shared key
- B. Asynchronous
- C. Open
- D. None

Answer: A

NEW QUESTION 304

Which of the following backup sites takes the longest recovery time?

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

Answer: A

NEW QUESTION 308

Physical security measures typically include which of the following components?

- A. Physical, Technical, Operational
- B. Technical, Strong Password, Operational
- C. Operational, Biometric, Physical
- D. Strong password, Biometric, Common Access Card

Answer: A

NEW QUESTION 311

SCENARIO: A Chief Information Security Officer (CISO) recently had a third party conduct an audit of the security program. Internal policies and international standards were used as audit baselines. The audit report was presented to the CISO and a variety of high, medium and low rated gaps were identified. The CISO has implemented remediation activities. Which of the following is the MOST logical next step?

- A. Validate the effectiveness of applied controls
- B. Validate security program resource requirements
- C. Report the audit findings and remediation status to business stake holders
- D. Review security procedures to determine if they need modified according to findings

Answer: A

NEW QUESTION 314

What is the primary reason for performing a return on investment analysis?

- A. To decide between multiple vendors
- B. To decide is the solution costs less than the risk it is mitigating
- C. To determine the current present value of a project
- D. To determine the annual rate of loss

Answer: B

NEW QUESTION 319

Scenario: Your corporate systems have been under constant probing and attack from foreign IP addresses for more than a week. Your security team and security infrastructure have performed well under the stress. You are confident that your defenses have held up under the test, but rumors are spreading that sensitive customer data has been stolen and is now being sold on the Internet by criminal elements. During your investigation of the rumored compromise you discover that data has been breached and you have discovered the repository of stolen data on a server located in a foreign country. Your team now has full access to the data on the foreign server.

Your defenses did not hold up to the test as originally thought. As you investigate how the data was compromised through log analysis you discover that a hardworking, but misguided business intelligence analyst posted the data to an obfuscated URL on a popular cloud storage service so they could work on it from home during their off-time. Which technology or solution could you deploy to prevent employees from removing corporate data from your network? Choose the BEST answer.

- A. Security Guards posted outside the Data Center
- B. Data Loss Prevention (DLP)
- C. Rigorous syslog reviews
- D. Intrusion Detection Systems (IDS)

Answer: B

NEW QUESTION 322

The process to evaluate the technical and non-technical security controls of an IT system to validate that a given design and implementation meet a specific set of

security requirements is called

- A. Security certification
- B. Security system analysis
- C. Security accreditation
- D. Alignment with business practices and goals.

Answer: A

NEW QUESTION 323

Scenario: An organization has recently appointed a CISO. This is a new role in the organization and it signals the increasing need to address security consistently at the enterprise level. This new CISO, while confident with skills and experience, is constantly on the defensive and is unable to advance the IT security centric agenda.

The CISO has been able to implement a number of technical controls and is able to influence the Information Technology teams but has not been able to influence the rest of the organization. From an organizational perspective, which of the following is the LIKELY reason for this?

- A. The CISO does not report directly to the CEO of the organization
- B. The CISO reports to the IT organization
- C. The CISO has not implemented a policy management framework
- D. The CISO has not implemented a security awareness program

Answer: B

NEW QUESTION 327

The newly appointed CISO of an organization is reviewing the IT security strategic plan. Which of the following is the MOST important component of the strategic plan?

- A. There is integration between IT security and business staffing.
- B. There is a clear definition of the IT security mission and vision.
- C. There is an auditing methodology in place.
- D. The plan requires return on investment for all security projects.

Answer: B

NEW QUESTION 328

The process for management approval of the security certification process which states the risks and mitigation of such risks of a given IT system is called

- A. Security certification
- B. Security system analysis
- C. Security accreditation
- D. Alignment with business practices and goals.

Answer: C

NEW QUESTION 331

What is the BEST reason for having a formal request for proposal process?

- A. Creates a timeline for purchasing and budgeting
- B. Allows small companies to compete with larger companies
- C. Clearly identifies risks and benefits before funding is spent
- D. Informs suppliers a company is going to make a purchase

Answer: C

NEW QUESTION 334

SCENARIO: Critical servers show signs of erratic behavior within your organization's intranet. Initial information indicates the systems are under attack from an outside entity. As the Chief Information Security Officer (CISO), you decide to deploy the Incident Response Team (IRT) to determine the details of this incident and take action according to the information available to the team.

During initial investigation, the team suspects criminal activity but cannot initially prove or disprove illegal actions. What is the MOST critical aspect of the team's activities?

- A. Regular communication of incident status to executives
- B. Eradication of malware and system restoration
- C. Determination of the attack source
- D. Preservation of information

Answer: D

NEW QUESTION 338

Scenario: Your organization employs single sign-on (user name and password only) as a convenience to your employees to access organizational systems and data. Permission to individual systems and databases is vetted and approved through supervisors and data owners to ensure that only approved personnel can use particular applications or retrieve information. All employees have access to their own human resource information, including the ability to change their bank routing and account information and other personal details through the Employee Self-Service application. All employees have access to the organizational VPN. The organization wants a more permanent solution to the threat to user credential compromise through phishing. What technical solution would BEST address this issue?

- A. Professional user education on phishing conducted by a reputable vendor

- B. Multi-factor authentication employing hard tokens
- C. Forcing password changes every 90 days
- D. Decreasing the number of employees with administrator privileges

Answer: B

NEW QUESTION 341

SCENARIO: A Chief Information Security Officer (CISO) recently had a third party conduct an audit of the security program. Internal policies and international standards were used as audit baselines. The audit report was presented to the CISO and a variety of high, medium and low rated gaps were identified. The CISO has validated audit findings, determined if compensating controls exist, and started initial remediation planning. Which of the following is the MOST logical next step?

- A. Validate the effectiveness of current controls
- B. Create detailed remediation funding and staffing plans
- C. Report the audit findings and remediation status to business stake holders
- D. Review security procedures to determine if they need modified according to findings

Answer: C

NEW QUESTION 342

Scenario: You are the newly hired Chief Information Security Officer for a company that has not previously had a senior level security practitioner. The company lacks a defined security policy and framework for their Information Security Program. Your new boss, the Chief Financial Officer, has asked you to draft an outline of a security policy and recommend an industry/sector neutral information security control framework for implementation. Your Corporate Information Security Policy should include which of the following?

- A. Information security theory
- B. Roles and responsibilities
- C. Incident response contacts
- D. Desktop configuration standards

Answer: B

NEW QUESTION 347

Annual Loss Expectancy is derived from the function of which two factors?

- A. Annual Rate of Occurrence and Asset Value
- B. Single Loss Expectancy and Exposure Factor
- C. Safeguard Value and Annual Rate of Occurrence
- D. Annual Rate of Occurrence and Single Loss Expectancy

Answer: D

NEW QUESTION 348

Scenario: An organization has made a decision to address Information Security formally and consistently by adopting established best practices and industry standards. The organization is a small retail merchant but it is expected to grow to a global customer base of many millions of customers in just a few years. The organization has already been subject to a significant amount of credit card fraud. Which of the following is the MOST likely reason for this fraud?

- A. Lack of compliance to the Payment Card Industry (PCI) standards
- B. Ineffective security awareness program
- C. Security practices not in alignment with ISO 27000 frameworks
- D. Lack of technical controls when dealing with credit card data

Answer: A

NEW QUESTION 349

Human resource planning for security professionals in your organization is a:

- A. Simple and easy task because the threats are getting easier to find and correct.
- B. Training requirement that is met through once every year user training.
- C. Training requirement that is on-going and always changing.
- D. Not needed because automation and anti-virus software has eliminated the threats.

Answer: C

NEW QUESTION 352

Scenario: The new CISO was informed of all the Information Security projects that the section has in progress. Two projects are over a year behind schedule and way over budget.

Which of the following will be most helpful for getting an Information Security project that is behind schedule back on schedule?

- A. Upper management support
- B. More frequent project milestone meetings
- C. More training of staff members
- D. Involve internal audit

Answer: A

NEW QUESTION 353

Scenario: Most industries require compliance with multiple government regulations and/or industry standards to meet data protection and privacy mandates. What is one proven method to account for common elements found within separate regulations and/or standards?

- A. Hire a GRC expert
- B. Use the Find function of your word processor
- C. Design your program to meet the strictest government standards
- D. Develop a crosswalk

Answer: D

NEW QUESTION 358

Scenario: You are the newly hired Chief Information Security Officer for a company that has not previously had a senior level security practitioner. The company lacks a defined security policy and framework for their Information Security Program. Your new boss, the Chief Financial Officer, has asked you to draft an outline of a security policy and recommend an industry/sector neutral information security control framework for implementation. Which of the following industry / sector neutral information security control frameworks should you recommend for implementation?

- A. National Institute of Standards and Technology (NIST) Special Publication 800-53
- B. Payment Card Industry Digital Security Standard (PCI DSS)
- C. International Organization for Standardization – ISO 27001/2
- D. British Standard 7799 (BS7799)

Answer: C

NEW QUESTION 360

Access Control lists (ACLs), Firewalls, and Intrusion Prevention Systems are examples of

- A. Network based security preventative controls
- B. Software segmentation controls
- C. Network based security detective controls
- D. User segmentation controls

Answer: A

NEW QUESTION 365

SCENARIO: A CISO has several two-factor authentication systems under review and selects the one that is most sufficient and least costly. The implementation project planning is completed and the teams are ready to implement the solution. The CISO then discovers that the product it is not as scalable as originally thought and will not fit the organization's needs. The CISO discovers the scalability issue will only impact a small number of network segments. What is the next logical step to ensure the proper application of risk management methodology within the two-facto implementation project?

- A. Create new use cases for operational use of the solution
- B. Determine if sufficient mitigating controls can be applied
- C. Decide to accept the risk on behalf of the impacted business units
- D. Report the deficiency to the audit team and create process exceptions

Answer: B

NEW QUESTION 368

When analyzing and forecasting a capital expense budget what are not included?

- A. Network connectivity costs
- B. New datacenter to operate from
- C. Upgrade of mainframe
- D. Purchase of new mobile devices to improve operations

Answer: A

NEW QUESTION 373

File Integrity Monitoring (FIM) is considered a

- A. Network based security preventative control
- B. Software segmentation control
- C. Security detective control
- D. User segmentation control

Answer: C

NEW QUESTION 374

SCENARIO: A CISO has several two-factor authentication systems under review and selects the one that is most sufficient and least costly. The implementation project planning is completed and the teams are ready to implement the solution. The CISO then discovers that the product it is not as scalable as originally thought and will not fit the organization's needs. The CISO is unsure of the information provided and orders a vendor proof of concept to validate the system's scalability. This demonstrates which of the following?

- A. An approach that allows for minimum budget impact if the solution is unsuitable

- B. A methodology-based approach to ensure authentication mechanism functions
- C. An approach providing minimum time impact to the implementation schedules
- D. A risk-based approach to determine if the solution is suitable for investment

Answer: D

NEW QUESTION 376

SCENARIO: A CISO has several two-factor authentication systems under review and selects the one that is most sufficient and least costly. The implementation project planning is completed and the teams are ready to implement the solution. The CISO then discovers that the product it is not as scalable as originally thought and will not fit the organization's needs. What is the MOST logical course of action the CISO should take?

- A. Review the original solution set to determine if another system would fit the organization's risk appetite and budgetregulatory compliance requirements
- B. Continue with the implementation and submit change requests to the vendor in order to ensure required functionality will be provided when needed
- C. Continue with the project until the scalability issue is validated by others, such as an auditor or third party assessor
- D. Cancel the project if the business need was based on internal requirements versus regulatory compliance requirements

Answer: A

NEW QUESTION 378

Scenario: You are the CISO and have just completed your first risk assessment for your organization. You find many risks with no security controls, and some risks with inadequate controls. You assign work to your staff to create or adjust existing security controls to ensure they are adequate for risk mitigation needs. You have identified potential solutions for all of your risks that do not have security controls. What is the NEXT step?

- A. Get approval from the board of directors
- B. Screen potential vendor solutions
- C. Verify that the cost of mitigation is less than the risk
- D. Create a risk metrics for all unmitigated risks

Answer: C

NEW QUESTION 380

What are the primary reasons for the development of a business case for a security project?

- A. To estimate risk and negate liability to the company
- B. To understand the attack vectors and attack sources
- C. To communicate risk and forecast resource needs
- D. To forecast usage and cost per software licensing

Answer: C

NEW QUESTION 382

Scenario: The new CISO was informed of all the Information Security projects that the section has in progress. Two projects are over a year behind schedule and way over budget.

Using the best business practices for project management, you determine that the project correctly aligns with the organization goals. What should be verified next?

- A. Scope
- B. Budget
- C. Resources
- D. Constraints

Answer: A

NEW QUESTION 383

Scenario: Your program is developed around minimizing risk to information by focusing on people, technology, and operations.

You have decided to deal with risk to information from people first. How can you minimize risk to your most sensitive information before granting access?

- A. Conduct background checks on individuals before hiring them
- B. Develop an Information Security Awareness program
- C. Monitor employee browsing and surfing habits
- D. Set your firewall permissions aggressively and monitor logs regularly.

Answer: A

NEW QUESTION 387

Which of the following is MOST useful when developing a business case for security initiatives?

- A. Budget forecasts
- B. Request for proposals
- C. Cost/benefit analysis
- D. Vendor management

Answer: C

NEW QUESTION 390

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