

Exam Questions 712-50

EC-Council Certified CISO (CCISO)

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NEW QUESTION 1

- (Topic 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

- (Topic 1)

Regulatory requirements typically force organizations to implement

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

Answer: A

NEW QUESTION 3

- (Topic 1)

A global retail company is creating a new compliance management process. Which of the following regulations is of MOST importance to be tracked and managed by this process?

- A. Information Technology Infrastructure Library (ITIL)
- B. International Organization for Standardization (ISO) standards
- C. Payment Card Industry Data Security Standards (PCI-DSS)
- D. National Institute for Standards and Technology (NIST) standard

Answer: C

NEW QUESTION 4

- (Topic 1)

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 5

- (Topic 1)

Which of the following is MOST likely to be discretionary?

- A. Policies
- B. Procedures
- C. Guidelines
- D. Standards

Answer: C

NEW QUESTION 6

- (Topic 1)

According to the National Institute of Standards and Technology (NIST) SP 800-40, which of the following considerations are MOST important when creating a vulnerability management program?

- A. Susceptibility to attack, mitigation response time, and cost
- B. Attack vectors, controls cost, and investigation staffing needs
- C. Vulnerability exploitation, attack recovery, and mean time to repair
- D. Susceptibility to attack, expected duration of attack, and mitigation availability

Answer: A

NEW QUESTION 7

- (Topic 1)

Which of the following provides an audit framework?

- A. Control Objectives for IT (COBIT)
- B. Payment Card Industry-Data Security Standard (PCI-DSS)
- C. International Organization Standard (ISO) 27002

D. National Institute of Standards and Technology (NIST) SP 800-30

Answer: :A

NEW QUESTION 8

- (Topic 1)

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 9

- (Topic 1)

An organization licenses and uses personal information for business operations, and a server containing that information has been compromised. What kind of law would require notifying the owner or licensee of this incident?

- A. Data breach disclosure
- B. Consumer right disclosure
- C. Security incident disclosure
- D. Special circumstance disclosure

Answer: A

NEW QUESTION 10

- (Topic 1)

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 10

- (Topic 1)

When managing an Information Security Program, which of the following is of MOST importance in order to influence the culture of an organization?

- A. An independent Governance, Risk and Compliance organization
- B. Alignment of security goals with business goals
- C. Compliance with local privacy regulations
- D. Support from Legal and HR teams

Answer: B

NEW QUESTION 11

- (Topic 1)

If your organization operates under a model of "assumption of breach", you should:

- A. Protect all information resource assets equally
- B. Establish active firewall monitoring protocols
- C. Purchase insurance for your compliance liability
- D. Focus your security efforts on high value assets

Answer: :C

NEW QUESTION 16

- (Topic 1)

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 17

- (Topic 1)

In accordance with best practices and international standards, how often is security awareness training provided to employees of an organization?

- A. High risk environments 6 months, low risk environments 12 months
- B. Every 12 months
- C. Every 18 months
- D. Every six months

Answer: B

NEW QUESTION 21

- (Topic 1)

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 26

- (Topic 1)

An organization information security policy serves to

- A. establish budgetary input in order to meet compliance requirements
- B. establish acceptable systems and user behavior
- C. define security configurations for systems
- D. define relationships with external law enforcement agencies

Answer: B

NEW QUESTION 27

- (Topic 1)

The FIRST step in establishing a security governance program is to?

- A. Conduct a risk assessment.
- B. Obtain senior level sponsorship.
- C. Conduct a workshop for all end users.
- D. Prepare a security budget.

Answer: B

NEW QUESTION 31

- (Topic 1)

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 36

- (Topic 1)

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 39

- (Topic 1)

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 43

- (Topic 1)

What is the BEST way to achieve on-going compliance monitoring in an organization?

- A. Only check compliance right before the auditors are scheduled to arrive onsite.
- B. Outsource compliance to a 3rd party vendor and let them manage the program.
- C. Have Compliance and Information Security partner to correct issues as they arise.
- D. Have Compliance direct Information Security to fix issues after the auditors report.

Answer: C

NEW QUESTION 48

- (Topic 1)

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

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

Answer: B

NEW QUESTION 49

- (Topic 1)

After a risk assessment is performed, a particular risk is considered to have the potential of costing the organization 1.2 Million USD. This is an example of

- A. Risk Tolerance
- B. Qualitative risk analysis
- C. Risk Appetite
- D. Quantitative risk analysis

Answer: D

NEW QUESTION 52

- (Topic 1)

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 54

- (Topic 1)

The exposure factor of a threat to your organization is defined by?

- A. Asset value times exposure factor
- B. Annual rate of occurrence
- C. Annual loss expectancy minus current cost of controls
- D. Percentage of loss experienced due to a realized threat event

Answer: D

NEW QUESTION 55

- (Topic 1)

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 57

- (Topic 1)

Which of the following is MOST important when dealing with an Information Security Steering committee:

- A. Include a mix of members from different departments and staff levels.
- B. Ensure that security policies and procedures have been vetted and approved.
- C. Review all past audit and compliance reports.
- D. Be briefed about new trends and products at each meeting by a vendor.

Answer: C

NEW QUESTION 59

- (Topic 1)

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 61

- (Topic 1)

The alerting, monitoring and life-cycle management of security related events is typically handled by the

- A. security threat and vulnerability management process
- B. risk assessment process
- C. risk management process
- D. governance, risk, and compliance tools

Answer: :A

NEW QUESTION 64

- (Topic 1)

When an organization claims it is secure because it is PCI-DSS certified, what is a good first question to ask towards assessing the effectiveness of their security program?

- A. How many credit card records are stored?
- B. How many servers do you have?
- C. What is the scope of the certification?
- D. What is the value of the assets at risk?

Answer: C

NEW QUESTION 66

- (Topic 1)

According to ISO 27001, of the steps for establishing an Information Security Governance program listed below, which comes first?

- A. Identify threats, risks, impacts and vulnerabilities
- B. Decide how to manage risk
- C. Define the budget of the Information Security Management System
- D. Define Information Security Policy

Answer: D

NEW QUESTION 69

- (Topic 1)

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 74

- (Topic 1)

A global retail organization is looking to implement a consistent Disaster Recovery and Business Continuity Process across all of its business units. Which of the following standards and guidelines can BEST address this organization's need?

- A. International Organization for Standardizations – 22301 (ISO-22301)
- B. Information Technology Infrastructure Library (ITIL)
- C. Payment Card Industry Data Security Standards (PCI-DSS)
- D. International Organization for Standardizations – 27005 (ISO-27005)

Answer: A

NEW QUESTION 76

- (Topic 1)

What is the relationship between information protection and regulatory compliance?

- A. That all information in an organization must be protected equally.

- B. The information required to be protected by regulatory mandate does not have to be identified in the organizations data classification policy.
- C. That the protection of some information such as National ID information is mandated by regulation and other information such as trade secrets are protected based on business need.
- D. There is no relationship between the two.

Answer: C

NEW QUESTION 81

- (Topic 1)

A security manager regularly checks work areas after business hours for security violations; such as unsecured files or unattended computers with active sessions. This activity BEST demonstrates what part of a security program?

- A. Audit validation
- B. Physical control testing
- C. Compliance management
- D. Security awareness training

Answer: C

NEW QUESTION 83

- (Topic 1)

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 85

- (Topic 1)

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 87

- (Topic 1)

A global health insurance company is concerned about protecting confidential information. Which of the following is of MOST concern to this organization?

- A. Compliance to the Payment Card Industry (PCI) regulations.
- B. Alignment with financial reporting regulations for each country where they operate.
- C. Alignment with International Organization for Standardization (ISO) standards.
- D. Compliance with patient data protection regulations for each country where they operate.

Answer: D

NEW QUESTION 88

- (Topic 1)

Who is responsible for securing networks during a security incident?

- A. Chief Information Security Officer (CISO)
- B. Security Operations Center (SOC)
- C. Disaster Recovery (DR) manager
- D. Incident Response Team (IRT)

Answer: D

NEW QUESTION 93

- (Topic 1)

Within an organization's vulnerability management program, who has the responsibility to implement remediation actions?

- A. Security officer
- B. Data owner
- C. Vulnerability engineer
- D. System administrator

Answer: D

NEW QUESTION 96

- (Topic 1)

When creating a vulnerability scan schedule, who is the MOST critical person to communicate with in order to ensure impact of the scan is minimized?

- A. The asset owner
- B. The asset manager
- C. The data custodian
- D. The project manager

Answer: :A

NEW QUESTION 99

- (Topic 1)

A Security Operations Centre (SOC) manager is informed that a database containing highly sensitive corporate strategy information is under attack. Information has been stolen and the database server was disconnected. Who must be informed of this incident?

- A. Internal audit
- B. The data owner
- C. All executive staff
- D. Government regulators

Answer: B

NEW QUESTION 102

- (Topic 2)

An organization is required to implement background checks on all employees with access to databases containing credit card information. This is considered a security

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

Answer: B

NEW QUESTION 106

- (Topic 2)

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 111

- (Topic 2)

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 114

- (Topic 2)

The BEST organization to provide a comprehensive, independent and certifiable perspective on established security controls in an environment is

- A. Penetration testers
- B. External Audit
- C. Internal Audit
- D. Forensic experts

Answer: B

NEW QUESTION 115

- (Topic 2)

Which of the following tests is an IS auditor performing when a sample of programs is selected to determine if the source and object versions are the same?

- A. A substantive test of program library controls
- B. A compliance test of program library controls
- C. A compliance test of the program compiler controls
- D. A substantive test of the program compiler controls

Answer: B

NEW QUESTION 119

- (Topic 2)

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 establish guidelines and general principles for initiating, implementing, maintaining, and improving information security management within an organization

Answer: D

NEW QUESTION 122

- (Topic 2)

An information security department is required to remediate system vulnerabilities when they are discovered. Please select the three primary remediation methods that can be used on an affected system.

- A. Install software patch, Operate system, Maintain system
- B. Discover software, Remove affected software, Apply software patch
- C. Install software patch, configuration adjustment, Software Removal
- D. Software removal, install software patch, maintain system

Answer: C

NEW QUESTION 124

- (Topic 2)

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 129

- (Topic 2)

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 132

- (Topic 2)

A missing/ineffective security control is identified. Which of the following should be the NEXT step?

- A. Perform an audit to measure the control formally
- B. Escalate the issue to the IT organization
- C. Perform a risk assessment to measure risk
- D. Establish Key Risk Indicators

Answer: C

NEW QUESTION 135

- (Topic 2)

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 139

- (Topic 2)

When measuring the effectiveness of an Information Security Management System which one of the following would be MOST LIKELY used as a metric framework?

- A. ISO 27001
- B. PRINCE2
- C. ISO 27004
- D. ITILv3

Answer: C

NEW QUESTION 144

- (Topic 2)

As the new CISO at the company you are reviewing the audit reporting process and notice that it includes only detailed technical diagrams. What else should be in the reporting process?

- A. Executive summary
- B. Penetration test agreement
- C. Names and phone numbers of those who conducted the audit
- D. Business charter

Answer: A

NEW QUESTION 147

- (Topic 2)

Which of the following is the MOST important goal of risk management?

- A. Identifying the risk
- B. Finding economic balance between the impact of the risk and the cost of the control
- C. Identifying the victim of any potential exploits.
- D. Assessing the impact of potential threats

Answer: B

NEW QUESTION 151

- (Topic 2)

Which of the following illustrates an operational control process:

- A. Classifying an information system as part of a risk assessment
- B. Installing an appropriate fire suppression system in the data center
- C. Conducting an audit of the configuration management process
- D. Establishing procurement standards for cloud vendors

Answer: :B

NEW QUESTION 153

- (Topic 2)

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 155

- (Topic 2)

Which of the following is a term related to risk management that represents the estimated frequency at which a threat is expected to transpire?

- A. Single Loss Expectancy (SLE)
- B. Exposure Factor (EF)
- C. Annualized Rate of Occurrence (ARO)
- D. Temporal Probability (TP)

Answer: C

NEW QUESTION 158

- (Topic 2)

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 160

- (Topic 2)

The CIO of an organization has decided to assign the responsibility of internal IT audit to the IT team. This is consider a bad practice MAINLY because

- A. The IT team is not familiar in IT audit practices
- B. This represents a bad implementation of the Least Privilege principle
- C. This represents a conflict of interest
- D. The IT team is not certified to perform audits

Answer: C

NEW QUESTION 164

- (Topic 2)

Which of the following organizations is typically in charge of validating the implementation and effectiveness of security controls?

- A. Security Administrators
- B. Internal/External Audit
- C. Risk Management
- D. Security Operations

Answer: B

NEW QUESTION 168

- (Topic 2)

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 170

- (Topic 2)

Which International Organization for Standardization (ISO) below BEST describes the performance of risk management, and includes a five-stage risk management methodology.

- A. ISO 27001
- B. ISO 27002
- C. ISO 27004
- D. ISO 27005

Answer: :D

NEW QUESTION 175

- (Topic 2)

An audit was conducted and many critical applications were found to have no disaster recovery plans in place. You conduct a Business Impact Analysis (BIA) to determine impact to the company for each application. What should be the NEXT step?

- A. Determine the annual loss expectancy (ALE)
- B. Create a crisis management plan
- C. Create technology recovery plans
- D. Build a secondary hot site

Answer: C

NEW QUESTION 177

- (Topic 2)

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

- A. An administrator with too much time on their hands.
- B. Putting undue time commitment on the system administrator.
- C. Supporting the concept of layered security
- D. Network segmentation.

Answer: C

NEW QUESTION 181

- (Topic 2)

Which of the following BEST describes an international standard framework that is based on the security model Information Technology—Code of Practice for Information Security Management?

- A. International Organization for Standardization 27001
- B. National Institute of Standards and Technology Special Publication SP 800-12
- C. Request For Comment 2196
- D. National Institute of Standards and Technology Special Publication SP 800-26

Answer: A

NEW QUESTION 185

- (Topic 2)

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 188

- (Topic 2)

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 190

- (Topic 2)

A recent audit has identified a few control exceptions and is recommending the implementation of technology and processes to address the finding. Which of the following is the MOST likely reason for the organization to reject the implementation of the recommended technology and processes?

- A. The auditors have not followed proper auditing processes
- B. The CIO of the organization disagrees with the finding
- C. The risk tolerance of the organization permits this risk
- D. The organization has purchased cyber insurance

Answer: C

NEW QUESTION 193

- (Topic 2)

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 194

- (Topic 2)

The effectiveness of social engineering penetration testing using phishing can be used as a Key Performance Indicator (KPI) for the effectiveness of an organization's

- A. Risk Management Program.
- B. Anti-Spam controls.
- C. Security Awareness Program.
- D. Identity and Access Management Program.

Answer: C

NEW QUESTION 196

- (Topic 2)

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 199

- (Topic 2)

Which of the following is the MOST important reason to measure the effectiveness of an Information Security Management System (ISMS)?

- A. Meet regulatory compliance requirements
- B. Better understand the threats and vulnerabilities affecting the environment
- C. Better understand strengths and weaknesses of the program
- D. Meet legal requirements

Answer: C

NEW QUESTION 201

- (Topic 2)

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 205

- (Topic 2)

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 207

- (Topic 2)

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 212

- (Topic 3)

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 216

- (Topic 3)

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 220

- (Topic 3)

Which of the following represents the best method of ensuring business unit alignment with security program requirements?

- A. Provide clear communication of security requirements throughout the organization
- B. Demonstrate executive support with written mandates for security policy adherence
- C. Create collaborative risk management approaches within the organization
- D. Perform increased audits of security processes and procedures

Answer: C

NEW QUESTION 224

- (Topic 3)

When entering into a third party vendor agreement for security services, at what point in the process is it BEST to understand and validate the security posture and compliance level of the vendor?

- A. At the time the security services are being performed and the vendor needs access to the network
- B. Once the agreement has been signed and the security vendor states that they will need access to the network
- C. Once the vendor is on premise and before they perform security services
- D. Prior to signing the agreement and before any security services are being performed

Answer: D

NEW QUESTION 229

- (Topic 3)

Which of the following are not stakeholders of IT security projects?

- A. Board of directors
- B. Third party vendors
- C. CISO
- D. Help Desk

Answer: B

NEW QUESTION 230

- (Topic 3)

Information Security is often considered an excessive, after-the-fact cost when a project or initiative is completed. What can be done to ensure that security is addressed cost effectively?

- A. User awareness training for all employees
- B. Installation of new firewalls and intrusion detection systems
- C. Launch an internal awareness campaign
- D. Integrate security requirements into project inception

Answer: D

NEW QUESTION 235

- (Topic 3)

This occurs when the quantity or quality of project deliverables is expanded from the original project plan.

- A. Scope creep
- B. Deadline extension
- C. Scope modification
- D. Deliverable expansion

Answer: A

NEW QUESTION 239

- (Topic 3)

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 240

- (Topic 3)

Which of the following is the BEST indicator of a successful project?

- A. it is completed on time or early as compared to the baseline project plan
- B. it meets most of the specifications as outlined in the approved project definition
- C. it comes in at or below the expenditures planned for in the baseline budget
- D. the deliverables are accepted by the key stakeholders

Answer: D

NEW QUESTION 242

- (Topic 3)

An international organization is planning a project to implement encryption technologies to protect company confidential information. This organization has data centers on three continents. Which of the following would be considered a MAJOR constraint for the project?

- A. Time zone differences
- B. Compliance to local hiring laws
- C. Encryption import/export regulations

D. Local customer privacy laws

Answer: C

NEW QUESTION 246

- (Topic 3)

Which of the following is MOST beneficial in determining an appropriate balance between uncontrolled innovation and excessive caution in an organization?

- A. Define the risk appetite
- B. Determine budget constraints
- C. Review project charters
- D. Collaborate security projects

Answer: A

NEW QUESTION 247

- (Topic 3)

A recommended method to document the respective roles of groups and individuals for a given process is to:

- A. Develop a detailed internal organization chart
- B. Develop a telephone call tree for emergency response
- C. Develop an isolinear response matrix with cost benefit analysis projections
- D. Develop a Responsible, Accountable, Consulted, Informed (RACI) chart

Answer: D

NEW QUESTION 249

- (Topic 3)

What oversight should the information security team have in the change management process for application security?

- A. Information security should be informed of changes to applications only
- B. Development team should tell the information security team about any application security flaws
- C. Information security should be aware of any significant application security changes and work with developer to test for vulnerabilities before changes are deployed in production
- D. Information security should be aware of all application changes and work with developers before changes are deployed in production

Answer: C

NEW QUESTION 251

- (Topic 3)

When should IT security project management be outsourced?

- A. When organizational resources are limited
- B. When the benefits of outsourcing outweigh the inherent risks of outsourcing
- C. On new, enterprise-wide security initiatives
- D. On projects not forecasted in the yearly budget

Answer: B

NEW QUESTION 252

- (Topic 3)

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 255

- (Topic 3)

Which of the following is the MOST important component of any change management process?

- A. Scheduling
- B. Back-out procedures
- C. Outage planning
- D. Management approval

Answer: D

NEW QUESTION 258

- (Topic 3)

How often should the SSAE16 report of your vendors be reviewed?

- A. Quarterly
- B. Semi-annually
- C. Annually
- D. Bi-annually

Answer: C

NEW QUESTION 262

- (Topic 3)

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 266

- (Topic 3)

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 270

- (Topic 3)

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 271

- (Topic 3)

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 273

- (Topic 3)

Which of the following is critical in creating a security program aligned with an organization's goals?

- A. Ensure security budgets enable technical acquisition and resource allocation based on internal compliance requirements
- B. Develop a culture in which users, managers and IT professionals all make good decisions about information risk
- C. Provide clear communication of security program support requirements and audit schedules
- D. Create security awareness programs that include clear definition of security program goals and charters

Answer: B

NEW QUESTION 278

- (Topic 4)

The ability to hold intruders accountable in a court of law is important. Which of the following activities are needed to ensure the highest possibility for successful prosecution?

- A. Well established and defined digital forensics process
- B. Establishing Enterprise-owned Botnets for preemptive attacks
- C. Be able to retaliate under the framework of Active Defense
- D. Collaboration with law enforcement

Answer: A

NEW QUESTION 283

- (Topic 4)

Your incident handling manager detects a virus attack in the network of your company. You develop a signature based on the characteristics of the detected virus. Which of the following phases in the incident handling process will utilize the signature to resolve this incident?

- A. Containment
- B. Recovery
- C. Identification
- D. Eradication

Answer: D

NEW QUESTION 285

- (Topic 4)

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 289

- (Topic 4)

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 290

- (Topic 4)

Which of the following is a symmetric encryption algorithm?

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

Answer: A

NEW QUESTION 292

- (Topic 4)

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 293

- (Topic 4)

Which of the following is MOST important when tuning an Intrusion Detection System (IDS)?

- A. Trusted and untrusted networks
- B. Type of authentication
- C. Storage encryption
- D. Log retention

Answer: A

NEW QUESTION 296

- (Topic 4)

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 297

- (Topic 4)

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 302

- (Topic 4)

Your penetration testing team installs an in-line hardware key logger onto one of your network machines. Which of the following is of major concern to the security organization?

- A. In-line hardware keyloggers don't require physical access
- B. In-line hardware keyloggers don't comply to industry regulations
- C. In-line hardware keyloggers are undetectable by software
- D. In-line hardware keyloggers are relatively inexpensive

Answer: C

NEW QUESTION 307

- (Topic 4)

What is the FIRST step in developing the vulnerability management program?

- A. Baseline the Environment
- B. Maintain and Monitor
- C. Organization Vulnerability
- D. Define Policy

Answer: A

NEW QUESTION 311

- (Topic 5)

Scenario: Your company has many encrypted telecommunications links for their world-wide operations. Physically distributing symmetric keys to all locations has proven to be administratively burdensome, but symmetric keys are preferred to other alternatives. Symmetric encryption in general is preferable to asymmetric encryption when:

- A. The number of unique communication links is large
- B. The volume of data being transmitted is small
- C. The speed of the encryption / deciphering process is essential
- D. The distance to the end node is farthest away

Answer: C

NEW QUESTION 313

- (Topic 5)

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 317

- (Topic 5)

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. This global retail company is expected to accept credit card payments. Which of the following is of MOST concern when defining a security program for this organization?

- A. International encryption restrictions
- B. Compliance to Payment Card Industry (PCI) data security standards
- C. Compliance with local government privacy laws
- D. Adherence to local data breach notification laws

Answer: B

NEW QUESTION 320

- (Topic 5)

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.

Which of the following is the reason the CISO has not been able to advance the security agenda in this organization?

- A. Lack of identification of technology stake holders
- B. Lack of business continuity process
- C. Lack of influence with leaders outside IT
- D. Lack of a security awareness program

Answer: C

NEW QUESTION 324

- (Topic 5)

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.

Which of the following would be the FIRST step when addressing Information Security formally and consistently in this organization?

- A. Contract a third party to perform a security risk assessment
- B. Define formal roles and responsibilities for Internal audit functions
- C. Define formal roles and responsibilities for Information Security
- D. Create an executive security steering committee

Answer: C

NEW QUESTION 325

- (Topic 5)

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 326

- (Topic 5)

As the CISO you need to write the IT security strategic plan. Which of the following is the MOST important to review before you start writing the plan?

- A. The existing IT environment.
- B. The company business plan.
- C. The present IT budget.
- D. Other corporate technology trends.

Answer: B

NEW QUESTION 329

- (Topic 5)

A system is designed to dynamically block offending Internet IP-addresses from requesting services from a secure website. This type of control is considered

- A. Zero-day attack mitigation
- B. Preventive detection control
- C. Corrective security control
- D. Dynamic blocking control

Answer: C

NEW QUESTION 332

- (Topic 5)

Which of the following is considered the foundation for the Enterprise Information Security Architecture (EISA)?

- A. Security regulations
- B. Asset classification
- C. Information security policy
- D. Data classification

Answer: C

NEW QUESTION 333

- (Topic 5)

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.

In what phase of the response will the team extract information from the affected systems without altering original data?

- A. Response
- B. Investigation
- C. Recovery
- D. Follow-up

Answer: B

NEW QUESTION 336

- (Topic 5)

The rate of change in technology increases the importance of:

- A. Outsourcing the IT functions.
- B. Understanding user requirements.
- C. Hiring personnel with leading edge skills.
- D. Implementing and enforcing good processes.

Answer: D

NEW QUESTION 341

- (Topic 5)

When analyzing and forecasting an operating expense budget what are not included?

- A. Software and hardware license fees
- B. Utilities and power costs
- C. Network connectivity costs
- D. New datacenter to operate from

Answer: D

NEW QUESTION 345

- (Topic 5)

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.

What action should you take FIRST?

- A. Destroy the repository of stolen data
- B. Contact your local law enforcement agency
- C. Consult with other C-Level executives to develop an action plan
- D. Contract with a credit reporting company for paid monitoring services for affected customers

Answer: C

NEW QUESTION 346

- (Topic 5)

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-factor 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 350

- (Topic 5)

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. Recently, members of your organization have been targeted through a number of sophisticated phishing attempts and have compromised their system credentials. What action can you take to prevent the misuse of compromised credentials to change bank account information from outside your organization while still allowing employees to manage their bank information?

- A. Turn off VPN access for users originating from outside the country
- B. Enable monitoring on the VPN for suspicious activity
- C. Force a change of all passwords
- D. Block access to the Employee-Self Service application via VPN

Answer: D

NEW QUESTION 355

- (Topic 5)

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 360

- (Topic 5)

When dealing with risk, the information security practitioner may choose to:

- A. assign
- B. transfer
- C. acknowledge
- D. defer

Answer: C

NEW QUESTION 362

- (Topic 5)

The Annualized Loss Expectancy (Before) minus Annualized Loss Expectancy (After) minus Annual Safeguard Cost is the formula for determining:

- A. Safeguard Value
- B. Cost Benefit Analysis
- C. Single Loss Expectancy
- D. Life Cycle Loss Expectancy

Answer: B

NEW QUESTION 365

- (Topic 5)

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 368

- (Topic 5)

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 373

- (Topic 5)

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.

When adjusting the controls to mitigate the risks, how often should the CISO perform an audit to verify the controls?

- A. Annually
- B. Semi-annually
- C. Quarterly
- D. Never

Answer: D

NEW QUESTION 376

- (Topic 5)

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 377

- (Topic 5)

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 378

- (Topic 5)

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.

What phase of the response provides measures to reduce the likelihood of an incident from recurring?

- A. Response
- B. Investigation
- C. Recovery
- D. Follow-up

Answer: D

NEW QUESTION 379

- (Topic 5)

Acceptable levels of information security risk tolerance in an organization should be determined by?

- A. Corporate legal counsel
- B. CISO with reference to the company goals
- C. CEO and board of director
- D. Corporate compliance committee

Answer: C

NEW QUESTION 382

- (Topic 5)

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.

After determining the audit findings are accurate, which of the following is the MOST logical next activity?

- A. Begin initial gap remediation analyses
- B. Review the security organization's charter
- C. Validate gaps with the Information Technology team
- D. Create a briefing of the findings for executive management

Answer: A

NEW QUESTION 387

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