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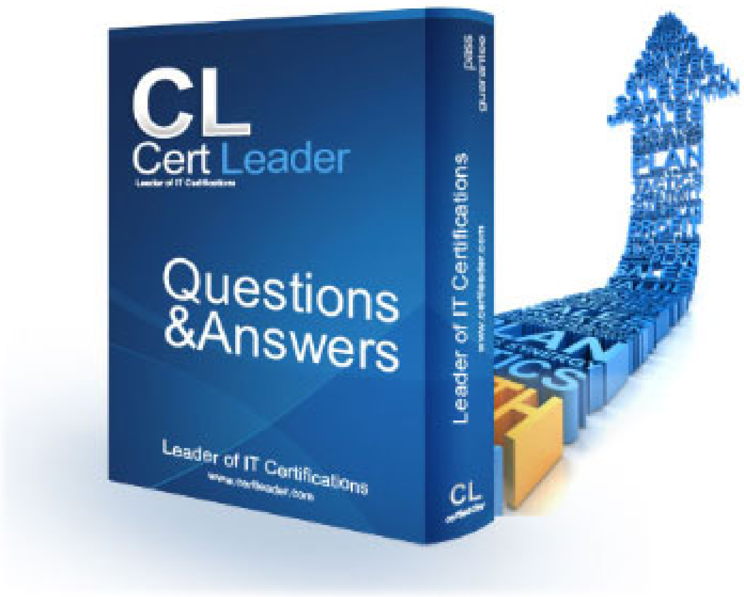

NEW QUESTION 1
Successful implementation of information security governance will FIRST require:

A. security awareness trainin
B. updated security policie
C. a computer incident management tea
D. a security architectur

Answer: B

Explanation:

Updated security policies are required to align management objectives with security procedures; management objectives translate into policy, policy translates into procedures. Security procedures will necessitate specialized teams such as the computer incident response and management group as well as specialized tools such as the security mechanisms that comprise the security architecture. Security awareness will promote the policies, procedures and appropriate use of the security mechanisms.

NEW QUESTION 2
The MAIN reason for having the Information Security Steering Committee review a new security controls implementation plan is to ensure that:

A. the plan aligns with the organization's business pla
B. departmental budgets are allocated appropriately to pay for the pla
C. regulatory oversight requirements are me
D. the impact of the plan on the business units is reduce

Answer: A

Explanation:

The steering committee controls the execution of the information security strategy according to the needs of the organization and decides on the project prioritization and the execution plan. The steering committee does not allocate department budgets for business units. While ensuring that regulatory oversight requirements are met could be a consideration, it is not the main reason for the review. Reducing the impact on the business units is a secondary concern but not the main reason for the review.

NEW QUESTION 3
A multinational organization operating in fifteen countries is considering implementing an information security program. Which factor will MOST influence the design of the
Information security program?

A. Representation by regional business leaders
B. Composition of the board
C. Cultures of the different countries
D. IT security skills

Answer: C

Explanation:

Culture has a significant impact on how information security will be implemented. Representation by regional business leaders may not have a major influence unless it concerns cultural issues. Composition of the board may not have a significant impact compared to cultural issues. IT security skills are not as key or high impact in designing a multinational information security program as would be cultural issues.

NEW QUESTION 4
An internal audit has identified major weaknesses over IT processing. Which of the following should an information security manager use to BEST convey a sense of urgency to management?

A. Security metrics reports
B. Risk assessment reports
C. Business impact analysis (BIA)
D. Return on security investment report

Answer: B

Explanation:

Performing a risk assessment will allow the information security manager to prioritize the remedial measures and provide a means to convey a sense of urgency to management. Metrics reports are normally contained within the methodology of the risk assessment to give it credibility and provide an ongoing tool. The business impact analysis (BIA) covers continuity risks only. Return on security investment cannot be determined until a plan is developed based on the BIA.

NEW QUESTION 5
Which of the following is the MOST important factor when designing information security architecture?

A. Technical platform interfaces
B. Scalability of the network
C. Development methodologies
D. Stakeholder requirements

Answer: D

Explanation:

The most important factor for information security is that it advances the interests of the business, as defined by stakeholder requirements. Interoperability and scalability, as well as development methodologies, are all important but are without merit if a technologically-elegant solution is achieved that does not meet the needs of the business.

NEW QUESTION 6
The MOST complete business case for security solutions is one that.

A. includes appropriate justificatio
B. explains the current risk profil
C. details regulatory requirement
D. identifies incidents and losse

Answer: A

Explanation:

Management is primarily interested in security solutions that can address risks in the most cost-effective way. To address the needs of an organization, a business case should address appropriate security solutions in line with the organizational strategy.

NEW QUESTION 7
Senior management commitment and support for information security will BEST be attained by an information security manager by emphasizing:

A. organizational ris
B. organization wide metric
C. security need
D. the responsibilities of organizational unit

Answer: A

Explanation:

Information security exists to help the organization meet its objectives. The information security manager should identify information security needs based on organizational needs. Organizational or business risk should always take precedence. Involving each organizational unit in information security and establishing metrics to measure success will be viewed favorably by senior management after the overall organizational risk is identified.

NEW QUESTION 8
Which of the following is a benefit of information security governance?

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

Answer: A

Explanation:

Information security governance decreases the risk of civil or legal liability. The remaining answers are incorrect. Option D appears to be correct, but senior management would provide oversight and approval as opposed to direct involvement in developing control processes.

NEW QUESTION 9
What will have the HIGHEST impact on standard information security governance models?

A. Number of employees
B. Distance between physical locations
C. Complexity of organizational structure
D. Organizational budget

Answer: C

Explanation:

Information security governance models are highly dependent on the overall organizational structure. Some of the elements that impact organizational structure are multiple missions and functions across the organization, leadership and lines of communication. Number of employees and distance between physical locations have less impact on information security governance models since well-defined process, technology and people components intermingle to provide the proper governance. Organizational budget is not a major impact once good governance models are in place, hence governance will help in effective management of the organization's budget.

NEW QUESTION 10
From an information security perspective, information that no longer supports the main purpose of the business should be:

A. analyzed under the retention polic
B. protected under the information classification polic

C. analyzed under the backup polic
D. protected under the business impact analysis (BIA).

Answer: A

Explanation:

Option A is the type of analysis that will determine whether the organization is required to maintain the data for business, legal or regulatory reasons. Keeping data that are no longer required unnecessarily consumes resources, and, in the case of sensitive personal information, can increase the risk of data compromise. Options B. C and D are attributes that should be considered in the destruction and retention policy. A BIA could help determine that this information does not support the main objective of the business, but does not indicate the action to take.

NEW QUESTION 10
Which of the following is characteristic of centralized information security management?

A. More expensive to administer
B. Better adherence to policies
C. More aligned with business unit needs
D. Faster turnaround of requests

Answer: B

Explanation:

Centralization of information security management results in greater uniformity and better adherence to security policies. It is generally less expensive to administer due to the economics of scale. However, turnaround can be slower due to the lack of alignment with business units.

NEW QUESTION 12
Acceptable levels of information security risk should be determined by:

A. legal counse
B. security managemen
C. external auditor
D. die steering committe

Answer: D

Explanation:

Senior management, represented in the steering committee, has ultimate responsibility for determining what levels of risk the organization is willing to assume. Legal counsel, the external auditors and security management are not in a position to make such a decision.

NEW QUESTION 17
When identifying legal and regulatory issues affecting information security, which of the following would represent the BEST approach to developing information security policies?

A. Create separate policies to address each regulation
B. Develop policies that meet all mandated requirements
C. Incorporate policy statements provided by regulators
D. Develop a compliance risk assessment

Answer: B

Explanation:

It will be much more efficient to craft all relevant requirements into policies than to create separate versions. Using statements provided by regulators will not capture all of the requirements mandated by different regulators. A compliance risk assessment is an important tool to verify that procedures ensure compliance once the policies have been established.

NEW QUESTION 19
In order to highlight to management the importance of network security, the security manager should FIRST:

A. develop a security architectur
B. install a network intrusion detection system (NIDS) and prepare a list of attack
C. develop a network security polic
D. conduct a risk assessmen

Answer: D

Explanation:

A risk assessment would be most helpful to management in understanding at a very high level the threats, probabilities and existing controls. Developing a security architecture, installing a network intrusion detection system (NIDS) and preparing a list of attacks on the network and developing a network security policy would not be as effective in highlighting the importance to management and would follow only after performing a risk assessment.

NEW QUESTION 24
An information security strategy document that includes specific links to an organization's business activities is PRIMARILY an indicator of:

A. performance measuremen
B. integratio
C. alignmen
D. value deliver

Answer: C

Explanation:

Strategic alignment of security with business objectives is a key indicator of performance measurement. In guiding a security program, a meaningful performance measurement will also rely on an understanding of business objectives, which will be an outcome of alignment. Business linkages do not by themselves indicate integration or value delivery. While alignment is an important precondition, it is not as important an indicator.

NEW QUESTION 29
When an organization is setting up a relationship with a third-party IT service provider, which of the following is one of the MOST important topics to include in the contract from a security standpoint?

A. Compliance with international security standard
B. Use of a two-factor authentication syste
C. Existence of an alternate hot site in case of business disruptio
D. Compliance with the organization's information security requirement

Answer: D

Explanation:

Prom a security standpoint, compliance with the organization's information security requirements is one of the most important topics that should be included in the contract with third-party service provider. The scope of implemented controls in any ISO 27001-compliant organization depends on the security requirements established by each organization. Requiring compliance only with this security standard does not guarantee that a service provider complies with the organization's security requirements. The requirement to use a specific kind of control methodology is not usually stated in the contract with third-party service providers.

NEW QUESTION 32
In implementing information security governance, the information security manager is PRIMARILY responsible for:

A. developing the security strateg
B. reviewing the security strateg
C. communicating the security strateg
D. approving the security strategy

Answer: A

Explanation:

The information security manager is responsible for developing a security strategy based on business objectives with the help of business process owners. Reviewing the security strategy is the responsibility of a steering committee. The information security manager is not necessarily responsible for communicating or approving the security strategy.

NEW QUESTION 36
What is the MOST important factor in the successful implementation of an enterprise wide information security program?

A. Realistic budget estimates
B. Security awareness
C. Support of senior management
D. Recalculation of the work factor

Answer: C

Explanation:

Without the support of senior management, an information security program has little chance of survival. A company's leadership group, more than any other group, will more successfully drive the program. Their authoritative position in the company is a key factor. Budget approval, resource commitments, and companywide participation also require the buy-in from senior management. Senior management is responsible for providing an adequate budget and the necessary resources. Security awareness is important, but not the most important factor. Recalculation of the work factor is a part of risk management.

NEW QUESTION 41
What is the MAIN risk when there is no user management representation on the Information Security Steering Committee?

A. Functional requirements are not adequately considere
B. User training programs may be inadequat
C. Budgets allocated to business units are not appropriat
D. Information security plans are not aligned with business requirements

Answer: D

Explanation:

The steering committee controls the execution of the information security strategy, according to the needs of the organization, and decides on the project prioritization and the execution plan. User management is an important group that should be represented to ensure that the information security plans are aligned with the business needs. Functional requirements and user training programs are considered to be part of the projects but are not the main risks. The steering committee does not approve budgets for business units.

NEW QUESTION 43
Which of the following should be the FIRST step in developing an information security plan?

A. Perform a technical vulnerabilities assessment
B. Analyze the current business strategy
C. Perform a business impact analysis
D. Assess the current levels of security awareness

Answer: B

Explanation:

Prior to assessing technical vulnerabilities or levels of security awareness, an information security manager needs to gain an understanding of the current business strategy and direction. A business impact analysis should be performed prior to developing a business continuity plan, but this would not be an appropriate first step in developing an information security strategy because it focuses on availability.

NEW QUESTION 48
Logging is an example of which type of defense against systems compromise?

A. Containment
B. Detection
C. Reaction
D. Recovery

Answer: B

Explanation:

Detection defenses include logging as well as monitoring, measuring, auditing, detecting viruses and intrusion. Examples of containment defenses are awareness, training and physical security defenses. Examples of reaction defenses are incident response, policy and procedure change, and control enhancement. Examples of recovery defenses are backups and restorations, failover and remote sites, and business continuity plans and disaster recovery plans.

NEW QUESTION 50
The data access requirements for an application should be determined by the:

A. legal departmen
B. compliance office
C. information security manage
D. business owne

Answer: D

Explanation:

Business owners are ultimately responsible for their applications. The legal department, compliance officer and information security manager all can advise, but do not have final responsibility.

NEW QUESTION 51
When developing an information security program, what is the MOST useful source of information for determining available resources?

A. Proficiency test
B. Job descriptions
C. Organization chart
D. Skills inventory

Answer: D

Explanation:

A skills inventory would help identify- the available resources, any gaps and the training requirements for developing resources. Proficiency testing is useful but only with regard to specific technical skills. Job descriptions would not be as useful since they may be out of date or not sufficiently detailed. An organization chart would not provide the details necessary to determine the resources required for this activity.

NEW QUESTION 56
The MOST important component of a privacy policy is:

A. notification
B. warrantie
C. liabilitie
D. geographic coverag

Answer: A

Explanation:

Privacy policies must contain notifications and opt-out provisions: they are a high-level management statement of direction. They do not necessarily address warranties, liabilities or geographic coverage, which are more specific.

NEW QUESTION 60
A security manager meeting the requirements for the international flow of personal data will need to ensure:

A. a data processing agreemen
B. a data protection registratio
C. the agreement of the data subject
D. subject access procedure

Answer: C

Explanation:

Whenever personal data are transferred across national boundaries, the awareness and agreement of the data subjects are required. Choices A, B and D are supplementary data protection requirements that are not key for international data transfer.

NEW QUESTION 61
When developing incident response procedures involving servers hosting critical applications, which of the following should be the FIRST to be notified?

A. Business management
B. Operations manager
C. Information security manager
D. System users

Answer: C

Explanation:

The escalation process in critical situations should involve the information security manager as the first contact so that appropriate escalation steps are invoked as necessary. Choices A, B and D would be notified accordingly.

NEW QUESTION 64
The BEST way to justify the implementation of a single sign-on (SSO) product is to use:

A. return on investment (RO
B. a vulnerability assessmen
C. annual loss expectancy (ALE).
D. a business cas

Answer: D

Explanation:

A business case shows both direct and indirect benefits, along with the investment required and the expected returns, thus making it useful to present to senior management. Return on investment (ROD would only provide the costs needed to preclude specific risks, and would not provide other indirect benefits such as process improvement and learning. A vulnerability assessment is more technical in nature and would only identify and assess the vulnerabilities. This would also not provide insights on indirect benefits. Annual loss expectancy (ALE) would not weigh the advantages of implementing single sign-on (SSO) in comparison to the cost of implementation.

NEW QUESTION 66
Which of the following individuals would be in the BEST position to sponsor the creation of an information security steering group?

A. Information security manager
B. Chief operating officer (COO)
C. Internal auditor
D. Legal counsel

Answer: B

Explanation:

The chief operating officer (COO) is highly-placed within an organization and has the most knowledge of business operations and objectives. The chief internal auditor and chief legal counsel are appropriate members of such a steering group. However, sponsoring the creation of the steering committee should be initiated by someone versed in the strategy and direction of the business. Since a security manager is looking to this group for direction, they are not in the best position to oversee formation of this group.

NEW QUESTION 71
Information security projects should be prioritized on the basis of:

A. time required for implementatio
B. impact on the organizatio
C. total cost for implementatio
D. mix of resources require

Answer:

BExplanation:

Explanation:
Information security projects should be assessed on the basis of the positive impact that they will have on the organization. Time, cost and resource issues should be subordinate to this objective.

NEW QUESTION 72
An information security manager must understand the relationship between information security and business operations in order to:

A. support organizational objective
B. determine likely areas of noncomplianc
C. assess the possible impacts of compromis
D. understand the threats to the busines

Answer: A

Explanation:

Security exists to provide a level of predictability for operations, support for the activities of the organization and to ensure preservation of the organization. Business operations must be the driver for security activities in order to set meaningful objectives, determine and manage the risks to those activities, and provide a basis to measure the effectiveness of and provide guidance to the security program. Regulatory compliance may or may not be an organizational requirement. If compliance is a requirement, some level of compliance must be supported but compliance is only one aspect. It is necessary to understand the business goals in order to assess potential impacts and evaluate threats. These are some of the ways in which security supports organizational objectives, but they are not the only ways.

NEW QUESTION 75
The MOST important factor in ensuring the success of an information security program is effective:

A. communication of information security requirements to all users in the organizatio
B. formulation of policies and procedures for information securit
C. alignment with organizational goals and objectives .
D. monitoring compliance with information security policies and procedure

Answer: C

Explanation:

The success of security programs is dependent upon alignment with organizational goals and objectives. Communication is a secondary step. Effective communication and education of users is a critical determinant of success but alignment with organizational goals and objectives is the most important factor for success. Mere formulation of policies without effective communication to users will not ensure success. Monitoring compliance with information security policies and procedures can be, at best, a detective mechanism that will not lead to success in the midst of uninformed users.

NEW QUESTION 78
The cost of implementing a security control should not exceed the:

A. annualized loss expectanc
B. cost of an inciden
C. asset valu
D. implementation opportunity cost

Answer: C

Explanation:

The cost of implementing security controls should not exceed the worth of the asset. Annualized loss expectancy represents the losses drat are expected to happen during a single calendar year. A security mechanism may cost more than this amount (or the cost of a single incident) and still be considered cost effective. Opportunity costs relate to revenue lost by forgoing the acquisition of an item or the making of a business decision.

NEW QUESTION 79
In order to highlight to management the importance of integrating information security in the business processes, a newly hired information security officer should FIRST:

A. prepare a security budge
B. conduct a risk assessmen
C. develop an information security polic
D. obtain benchmarking informatio

Answer: B

Explanation:

Risk assessment, evaluation and impact analysis will be the starting point for driving management's attention to information security. All other choices will follow the risk assessment.

NEW QUESTION 82
An organization's information security processes are currently defined as ad hoc. In seeking to improve their performance level, the next step for the organization should be to:

A. ensure that security processes are consistent across the organizatio
B. enforce baseline security levels across the organizatio
C. ensure that security processes are fully documente
D. implement monitoring of key performance indicators for security processe

Answer: A

Explanation:

The organization first needs to move from ad hoc to repeatable processes. The organization then needs to document the processes and implement process monitoring and measurement. Baselining security levels will not necessarily assist in process improvement since baselining focuses primarily on control improvement. The organization needs to standardize processes both before documentation, and before monitoring and measurement.

NEW QUESTION 85
Which of the following authentication methods prevents authentication replay?

A. Password hash implementation
B. Challenge/response mechanism
C. Wired Equivalent Privacy (WEP) encryption usage
D. HTTP Basic Authentication

Answer: B

Explanation:

A challenge .response mechanism prevents replay attacks by sending a different random challenge in each authentication event. The response is linked to that challenge. Therefore, capturing the authentication handshake and replaying it through the network will not work. Using hashes by itself will not prevent a replay. A WEP key will not prevent sniffing (it just takes a few more minutes to break the WEP key if the attacker does not already have it) and therefore will not be able to prevent recording and replaying an authentication handshake. HTTP Basic Authentication is clear text and has no mechanisms to prevent replay.

NEW QUESTION 88
Acceptable risk is achieved when:

A. residual risk is minimize
B. transferred risk is minimize
C. control risk is minimize
D. inherent risk is minimize

Answer: A

Explanation:

Residual risk is the risk that remains after putting into place an effective risk management program; therefore, acceptable risk is achieved when this amount is minimized. Transferred risk is risk that has been assumed by a third party and may not necessarily be equal to the minimal form of residual risk. Control risk is the risk that controls may not prevent/detect an incident with a measure of control effectiveness. Inherent risk cannot be minimized.

NEW QUESTION 92
When performing a quantitative risk analysis, which of the following is MOST important to estimate the potential loss?

A. Evaluate productivity losses
B. Assess the impact of confidential data disclosure
C. Calculate the value of the information or asset
D. Measure the probability of occurrence of each threat

Answer: C

Explanation:

Calculating the value of the information or asset is the first step in a risk analysis process to determine the impact to the organization, which is the ultimate goal. Determining how much productivity could be lost and how much it would cost is a step in the estimation of potential risk process. Knowing the impact if confidential information is disclosed is also a step in the estimation of potential risk. Measuring the probability of occurrence for each threat identified is a step in performing a threat analysis and therefore a partial answer.

NEW QUESTION 94
Which of the following would be MOST useful in developing a series of recovery time objectives (RTOs)?

A. Gap analysis
B. Regression analysis
C. Risk analysis
D. Business impact analysis

Answer: D

Explanation:

Recovery time objectives (RTOs) are a primary deliverable of a business impact analysis. RTOs relate to the financial impact of a system not being available. A gap analysis is useful in addressing the differences between the current state and an ideal future state. Regression analysis is used to test changes to program modules. Risk analysis is a component of the business impact analysis.

NEW QUESTION 97
Before conducting a formal risk assessment of an organization's information resources, an information security manager should FIRST:

A. map the major threats to business objective
B. review available sources of risk informatio
C. identify the value of the critical asset
D. determine the financial impact if threats materializ

Answer: A

Explanation:

Risk mapping or a macro assessment of the major threats to the organization is a simple first step before performing a risk assessment. Compiling all available sources of risk information is part of the risk assessment. Choices C and D are also components of the risk assessment process, which are performed subsequent to the threats-business mapping.

NEW QUESTION 100
When performing an information risk analysis, an information security manager should FIRST:

A. establish the ownership of asset
B. evaluate the risks to the asset
C. take an asset inventor
D. categorize the asset

Answer: C

Explanation:

Assets must be inventoried before any of the other choices can be performed.

NEW QUESTION 105
Which would be one of the BEST metrics an information security manager can employ to effectively evaluate the results of a security program?

A. Number of controls implemented
B. Percent of control objectives accomplished
C. Percent of compliance with the security policy
D. Reduction in the number of reported security incidents

Answer: B

Explanation:

Control objectives are directly related to business objectives; therefore, they would be the best metrics. Number of controls implemented does not have a direct relationship with the results of a security program. Percentage of compliance with the security policy and reduction in the number of security incidents are not as broad as choice B.

NEW QUESTION 107
Risk acceptance is a component of which of the following?

A. Assessment
B. Mitigation
C. Evaluation
D. Monitoring

Answer: B

Explanation:

Risk acceptance is one of the alternatives to be considered in the risk mitigation process. Assessment and evaluation are components of the risk analysis process. Risk acceptance is not a component of monitoring.

NEW QUESTION 110
After assessing and mitigating the risks of a web application, who should decide on the acceptance of residual application risks?

A. Information security officer
B. Chief information officer (CIO)
C. Business owner
D. Chief executive officer (CF.O)

Answer: C

Explanation:

The business owner of the application needs to understand and accept the residual application risks.

NEW QUESTION 115

What does a network vulnerability assessment intend to identify?

A. 0-day vulnerabilities
B. Malicious software and spyware
C. Security design flaws
D. Misconfiguration and missing updates

Answer: D

Explanation:

A network vulnerability assessment intends to identify known vulnerabilities based on common misconfigurations and missing updates. 0-day vulnerabilities by definition are not previously known and therefore are undetectable. Malicious software and spyware are normally addressed through antivirus and antispyware policies. Security design flaws require a deeper level of analysis.

NEW QUESTION 116
A project manager is developing a developer portal and requests that the security manager assign a public IP address so that it can be accessed by in-house staff and by external consultants outside the organization's local area network (LAN). What should the security manager do FIRST?

A. Understand the business requirements of the developer portal
B. Perform a vulnerability assessment of the developer portal
C. Install an intrusion detection system (IDS)
D. Obtain a signed nondisclosure agreement (NDA) from the external consultants before allowing external access to the server

Answer: A

Explanation:

The information security manager cannot make an informed decision about the request without first understanding the business requirements of the developer portal. Performing a vulnerability assessment of developer portal and installing an intrusion detection system (IDS) are best practices but are subsequent to understanding the requirements. Obtaining a signed nondisclosure agreement will not take care of the risks inherent in the organization's application.

NEW QUESTION 120
Which of the following is the PRIMARY reason for implementing a risk management program?

A. Allows the organization to eliminate risk
B. Is a necessary part of management's due diligence
C. Satisfies audit and regulatory requirements
D. Assists in incrementing the return on investment (ROD

Answer: B

Explanation:

The key reason for performing risk management is that it is part of management's due diligence. The elimination of all risk is not possible. Satisfying audit and regulatory requirements is of secondary importance. A risk management program may or may not increase the return on investment (ROD.

NEW QUESTION 124
Which of the following BEST describes the scope of risk analysis?

A. Key financial systems
B. Organizational activities
C. Key systems and infrastructure
D. Systems subject to regulatory compliance

Answer: B

Explanation:

Risk analysis should include all organizational activities. It should not be limited to subsets of systems or just systems and infrastructure.

NEW QUESTION 126
A risk mitigation report would include recommendations for:

A. assessmen
B. acceptance
C. evaluatio
D. quantificatio

Answer: B

Explanation:

Acceptance of a risk is an alternative to be considered in the risk mitigation process. Assessment. evaluation and risk quantification are components of the risk analysis process that are completed prior to determining risk mitigation solutions.

NEW QUESTION 130

Who would be in the BEST position to determine the recovery point objective (RPO) for business applications?

A. Business continuity coordinator
B. Chief operations officer (COO)
C. Information security manager
D. Internal audit

Answer: B

Explanation:

The recovery point objective (RPO) is the processing checkpoint to which systems are recovered. In addition to data owners, the chief operations officer (COO) is the most knowledgeable person to make this decision. It would be inappropriate for the information security manager or an internal audit to determine the RPO because they are not directly responsible for the data or the operation.

NEW QUESTION 133
An organization is already certified to an international security standard. Which mechanism would BEST help to further align the organization with other data security regulatory requirements as per new business needs?

A. Key performance indicators (KPIs)
B. Business impact analysis (BIA)
C. Gap analysis
D. Technical vulnerability assessment

Answer: C

Explanation:

Gap analysis would help identify the actual gaps between the desired state and the current implementation of information security management. BIA is primarily used for business continuity planning. Technical vulnerability assessment is used for detailed assessment of technical controls, which would come later in the process and would not provide complete information in order to identify gaps.

NEW QUESTION 137
The recovery time objective (RTO) is reached at which of the following milestones?

A. Disaster declaration
B. Recovery of the backups
C. Restoration of the system
D. Return to business as usual processing

Answer: C

Explanation:

The recovery time objective (RTO) is based on the amount of time required to restore a system; disaster declaration occurs at the beginning of this period. Recovery of the backups occurs shortly after the beginning of this period. Return to business as usual processing occurs significantly later than the RTO. RTO is an "objective," and full restoration may or may not coincide with the RTO. RTO can be the minimum acceptable operational level, far short of normal operations.

NEW QUESTION 142
What mechanisms are used to identify deficiencies that would provide attackers with an opportunity to compromise a computer system?

A. Business impact analyses
B. Security gap analyses
C. System performance metrics
D. Incident response processes

Answer: B

Explanation:

A security gap analysis is a process which measures all security controls in place against typically good business practice, and identifies related weaknesses. A business impact analysis is less suited to identify security deficiencies. System performance metrics may indicate security weaknesses, but that is not their primary purpose. Incident response processes exist for cases where security weaknesses are exploited.

NEW QUESTION 147
To ensure that payroll systems continue on in an event of a hurricane hitting a data center, what would be the FIRS T crucial step an information security manager would take in ensuring business continuity planning?

A. Conducting a qualitative and quantitative risk analysi
B. Assigning value to the asset
C. Weighing the cost of implementing the plan v
D. financial los
E. Conducting a business impact analysis (BIA).

Answer: D

Explanation:

BIA is an essential component of an organization's business continuity plan; it includes an exploratory component to reveal any vulnerabilities and a planning component to develop strategies for minimizing risk. It is the first crucial step in business continuity planning. Qualitative and quantitative risk analysis will have been completed to define the dangers to individuals, businesses and government agencies posed by potential natural and human-caused adverse events. Assigning value to assets is part of the BIA process. Weighing the cost of implementing the plan vs. financial loss is another part of the BIA.

NEW QUESTION 152
After a risk assessment, it is determined that the cost to mitigate the risk is much greater than the benefit to be derived. The information security manager should recommend to business management that the risk be:

A. transferre
B. treate
C. accepte
D. terminate

Answer: C

Explanation:

When the cost of control is more than the cost of the risk, the risk should be accepted. Transferring, treating or terminating the risk is of limited benefit if the cost of that control is more than the cost of the risk itself.

NEW QUESTION 157
Which of the following would generally have the GREATEST negative impact on an organization?

A. Theft of computer software
B. Interruption of utility services
C. Loss of customer confidence
D. Internal fraud resulting in monetary loss

Answer: C

Explanation:

Although the theft of software, interruption of utility services and internal frauds are all significant, the loss of customer confidence is the most damaging and could cause the business to fail.

NEW QUESTION 162
Which of the following techniques MOST clearly indicates whether specific risk-reduction controls should be implemented?

A. Countermeasure cost-benefit analysis
B. Penetration testing
C. Frequent risk assessment programs
D. Annual loss expectancy (ALE) calculation

Answer: A

Explanation:

In a countermeasure cost-benefit analysis, the annual cost of safeguards is compared with the expected cost of loss. This can then be used to justify a specific control measure. Penetration testing may indicate the extent of a weakness but, by itself, will not establish the cost/benefit of a control. Frequent risk assessment programs will certainly establish what risk exists but will not determine the maximum cost of controls. Annual loss expectancy (ALE) is a measure which will contribute to the value of the risk but. alone, will not justify a control.

NEW QUESTION 163
An online banking institution is concerned that the breach of customer personal information will have a significant financial impact due to the need to notify and compensate customers whose personal information may have been compromised. The institution determines that residual risk will always be too high and decides to:

A. mitigate the impact by purchasing insuranc
B. implement a circuit-level firewall to protect the networ
C. increase the resiliency of security measures in plac
D. implement a real-time intrusion detection syste

Answer: A

Explanation:

Since residual risk will always be too high, the only practical solution is to mitigate the financial impact by purchasing insurance.

NEW QUESTION 165
Based on the information provided, which of the following situations presents the GREATEST information security risk for an organization with multiple, but small, domestic processing locations?

A. Systems operation procedures are not enforced
B. Change management procedures are poor
C. Systems development is outsourced
D. Systems capacity management is not performed

Answer: B

Explanation:

The lack of change management is a severe omission and will greatly increase information security risk. Since procedures are generally nonauthoritative, their lack of enforcement is not a primary concern. Systems that are developed by third-party vendors are becoming commonplace and do not represent an increase in security risk as much as poor change management. Poor capacity management may not necessarily represent a security risk.

NEW QUESTION 169
The MOST appropriate owner of customer data stored in a central database, used only by an organization's sales department, would be the:

A. sales departmen
B. database administrato
C. chief information officer (CIO).
D. head of the sales departmen

Answer: D

Explanation:

The owner of the information asset should be the person with the decision-making power in the department deriving the most benefit from the asset. In this case, it would be the head of the sales department. The organizational unit cannot be the owner of the asset because that removes personal responsibility. The database administrator is a custodian. The chief information officer (CIO) would not be an owner of this database because the CTO is less likely to be knowledgeable about the specific needs of sales operations and security concerns.

NEW QUESTION 170
The valuation of IT assets should be performed by:

A. an IT security manage
B. an independent security consultan
C. the chief financial officer (CFO).
D. the information owne

Answer: D

Explanation:

Information asset owners are in the best position to evaluate the value added by the IT asset under review within a business process, thanks to their deep knowledge of the business processes and of the functional IT requirements. An IT security manager is an expert of the IT risk assessment methodology and IT asset valuation mechanisms. However, the manager could not have a deep understanding of all the business processes of the firm. An IT security subject matter expert will take part of the process to identify threats and vulnerabilities and will collaborate with the business information asset owner to define the risk profile of the asset. A chief financial officer (CFO) will have an overall costs picture but not detailed enough to evaluate the value of each IT asset.

NEW QUESTION 171
Which of the following would be of GREATEST importance to the security manager in determining whether to accept residual risk?

A. Historical cost of the asset
B. Acceptable level of potential business impacts
C. Cost versus benefit of additional mitigating controls
D. Annualized loss expectancy (ALE)

Answer: C

Explanation:

The security manager would be most concerned with whether residual risk would be reduced by a greater amount than the cost of adding additional controls. The other choices, although relevant, would not be as important.

NEW QUESTION 172
A security risk assessment exercise should be repeated at regular intervals because:

A. business threats are constantly changin
B. omissions in earlier assessments can be addresse
C. repetitive assessments allow various methodologie
D. they help raise awareness on security in the busines

Answer: A

Explanation:

As business objectives and methods change, the nature and relevance of threats change as well. Choice B does not, by itself, justify regular reassessment. Choice C is not necessarily true in all cases. Choice D is incorrect because there are better ways of raising security awareness than by performing a risk assessment.

NEW QUESTION 176
For risk management purposes, the value of an asset should be based on:

A. original cos

B. net cash flo
C. net present valu
D. replacement cos

Answer: D

Explanation:

The value of a physical asset should be based on its replacement cost since this is the amount that would be needed to replace the asset if it were to become damaged or destroyed. Original cost may be significantly different than the current cost of replacing the asset. Net cash flow and net present value do not accurately reflect the true value of the asset.

NEW QUESTION 178
A global financial institution has decided not to take any further action on a denial of service (DoS) risk found by the risk assessment team. The MOST likely reason they made this
decision is that:

A. there are sufficient safeguards in place to prevent this risk from happenin
B. the needed countermeasure is too complicated to deplo
C. the cost of countermeasure outweighs the value of the asset and potential los
D. The likelihood of the risk occurring is unknow

Answer: C

Explanation:

An organization may decide to live with specific risks because it would cost more to protect themselves than the value of the potential loss. The safeguards need to match the risk level. While countermeasures could be too complicated to deploy, this is not the most compelling reason. It is unlikely that a global financial institution would not be exposed to such attacks and the frequency could not be predicted.

NEW QUESTION 180
Which of the following is the MAIN reason for performing risk assessment on a continuous basis'?

A. Justification of the security budget must be continually mad
B. New vulnerabilities are discovered every da
C. The risk environment is constantly changin
D. Management needs to be continually informed about emerging risk

Answer: C

Explanation:

The risk environment is impacted by factors such as changes in technology, and business strategy. These changes introduce new threats and vulnerabilities to the organization. As a result, risk assessment should be performed continuously. Justification of a budget should never be the main reason for performing a risk assessment. New vulnerabilities should be managed through a patch management process. Informing management about emerging risks is important, but is not the main driver for determining when a risk assessment should be performed.

NEW QUESTION 183
Which of the following is the BEST method to ensure the overall effectiveness of a risk management program?

A. User assessments of changes
B. Comparison of the program results with industry standards
C. Assignment of risk within the organization
D. Participation by all members of the organization

Answer: D

Explanation:

Effective risk management requires participation, support and acceptance by all applicable members of the organization, beginning with the executive levels. Personnel must understand their responsibilities and be trained on how to fulfill their roles.

NEW QUESTION 186
Which of the following groups would be in the BEST position to perform a risk analysis for a business?

A. External auditors
B. A peer group within a similar business
C. Process owners
D. A specialized management consultant

Answer: C

Explanation:

Process owners have the most in-depth knowledge of risks and compensating controls within their environment. External parties do not have that level of detailed knowledge on the inner workings of the business. Management consultants are expected to have the necessary skills in risk analysis techniques but are still less effective than a group with intimate knowledge of the business.

NEW QUESTION 191
A business impact analysis (BIA) is the BEST tool for calculating:

A. total cost of ownershi
B. priority of restoratio
C. annualized loss expectancy (ALE).
D. residual ris

Answer: B

Explanation:

A business impact analysis (BIA) is the best tool for calculating the priority of restoration for applications. It is not used to determine total cost of ownership, annualized loss expectancy (ALE) or residual risk to the organization.

NEW QUESTION 193
A mission-critical system has been identified as having an administrative system account with attributes that prevent locking and change of privileges and name. Which would be the BEST approach to prevent successful brute forcing of the account?

A. Prevent the system from being accessed remotely
B. Create a strong random password
C. Ask for a vendor patch
D. Track usage of the account by audit trails

Answer: B

Explanation:

Creating a strong random password reduces the risk of a successful brute force attack by exponentially increasing the time required. Preventing the system from being accessed remotely is not always an option in mission-critical systems and still leaves local access risks. Vendor patches are not always available, tracking usage is a detective control and will not prevent an attack.

NEW QUESTION 196
The purpose of a corrective control is to:

A. reduce adverse event
B. indicate compromis
C. mitigate impac
D. ensure complianc

Answer: C

Explanation:

Corrective controls serve to reduce or mitigate impacts, such as providing recovery capabilities. Preventive controls reduce adverse events, such as firewalls. Compromise can be detected by detective controls, such as intrusion detection systems (IDSs). Compliance could be ensured by preventive controls, such as access controls.

NEW QUESTION 201
After a risk assessment study, a bank with global operations decided to continue doing business in certain regions of the world where identity theft is rampant. The information security manager should encourage the business to:

A. increase its customer awareness efforts in those region
B. implement monitoring techniques to detect and react to potential frau
C. outsource credit card processing to a third part
D. make the customer liable for losses if they fail to follow the bank's advic

Answer: B

Explanation:

While customer awareness will help mitigate the risks, this is insufficient on its own to control fraud risk. Implementing monitoring techniques which will detect and deal with potential fraud cases is the most effective way to deal with this risk. If the bank outsources its processing, the bank still retains liability. While making the customer liable for losses is a possible approach, nevertheless, the bank needs to be seen to be proactive in managing its risks.

NEW QUESTION 205
The PRIMARY benefit of performing an information asset classification is to:

A. link security requirements to business objective
B. identify controls commensurate to ris
C. define access right
D. establish ownershi

Answer: B

Explanation:

All choices are benefits of information classification. However, identifying controls that are proportional to the risk in all cases is the primary benefit of the process.

NEW QUESTION 207
An information security organization should PRIMARILY:

A. support the business objectives of the company by providing security-related support service
B. be responsible for setting up and documenting the information security responsibilities of the information security team member
C. ensure that the information security policies of the company are in line with global best practices and standard
D. ensure that the information security expectations are conveyed to employee

Answer: A

Explanation:

The information security organization is responsible for options B and D within an organization, but they are not its primary mission. Reviewing and adopting appropriate standards (option C) is a requirement. The primary objective of an information security organization is to ensure that security supports the overall business objectives of the company.

NEW QUESTION 209
Which of the following BEST indicates a successful risk management practice?

A. Overall risk is quantified
B. Inherent risk is eliminated
C. Residual risk is minimized
D. Control risk is tied to business units

Answer: C

Explanation:

A successful risk management practice minimizes the residual risk to the organization. Choice A is incorrect because the fact that overall risk has been quantified does not necessarily indicate the existence of a successful risk management practice. Choice B is incorrect since it is virtually impossible to eliminate inherent risk. Choice D is incorrect because, although the tying of control risks to business may improve accountability, this is not as desirable as minimizing residual risk.

NEW QUESTION 211
What is the BEST technique to determine which security controls to implement with a limited budget?

A. Risk analysis
B. Annualized loss expectancy (ALE) calculations
C. Cost-benefit analysis
D. Impact analysis

Answer: C

Explanation:

Cost-benefit analysis is performed to ensure that the cost of a safeguard does not outweigh it's benefit and that the best safeguard is provided for the cost of implementation. Risk analysis identifies the risks and suggests appropriate mitigation. The annualized loss expectancy (ALE) is a subset of a cost-benefit analysis. Impact analysis would indicate how
much could be lost if a specific threat occurred.

NEW QUESTION 213
Which of the following will BEST prevent external security attacks?

A. Static IP addressing
B. Network address translation
C. Background checks for temporary employees
D. Securing and analyzing system access logs

Answer: B

Explanation:

Network address translation is helpful by having internal addresses that are nonroutable. Background checks of temporary employees are more likely to prevent an attack launched from within the enterprise. Static IP addressing does little to prevent an attack. Writing all computer logs to removable media does not help in preventing an attack.

NEW QUESTION 214
Quantitative risk analysis is MOST appropriate when assessment data:

A. include customer perception
B. contain percentage estimate
C. do not contain specific detail
D. contain subjective informatio

Answer: B

Explanation:

Percentage estimates are characteristic of quantitative risk analysis. Customer perceptions, lack of specific details or subjective information lend themselves more to qualitative risk analysis.

NEW QUESTION 217
In assessing the degree to which an organization may be affected by new privacy legislation, information security management should FIRST:

A. develop an operational plan for achieving compliance with the legislatio
B. identify systems and processes that contain privacy component
C. restrict the collection of personal information until complian
D. identify privacy legislation in other countries that may contain similar requirement

Answer: B

Explanation:

Identifying the relevant systems and processes is the best first step. Developing an operational plan for achieving compliance with the legislation is incorrect because it is not the first step. Restricting the collection of personal information comes later. Identifying privacy legislation in other countries would not add much value.

NEW QUESTION 220
In assessing risk, it is MOST essential to:

A. provide equal coverage for all asset type
B. use benchmarking data from similar organization
C. consider both monetary value and likelihood of los
D. focus primarily on threats and recent business losse

Answer: C

Explanation:

A risk analysis should take into account the potential financial impact and likelihood of a loss. It should not weigh all potential losses evenly, nor should it focus primarily on recent losses or losses experienced by similar firms. Although this is important supplementary information, it does not reflect the organization's real situation. Geography and other factors come into play as well.

NEW QUESTION 224
Which of the following risks is represented in the risk appetite of an organization?

A. Control
B. Inherent
C. Residual
D. Audit

Answer: C

Explanation:

Residual risk is unmanaged, i.e., inherent risk which remains uncontrolled. This is key to the organization's risk appetite and is the amount of residual risk that a business is living with that affects its viability. Hence, inherent risk is incorrect. Control risk, the potential for controls to fail, and audit risk, which relates only to audit's approach to their work, are not relevant in this context.

NEW QUESTION 227
An organization has decided to implement additional security controls to treat the risks of a new process. This is an example of:

A. eliminating the ris
B. transferring the ris
C. mitigating the ris
D. accepting the ris

Answer: C

Explanation:

Risk can never be eliminated entirely. Transferring the risk gives it away such as buying insurance so the insurance company can take the risk. Implementing additional controls is an example of mitigating risk. Doing nothing to mitigate the risk would be an example of accepting risk.

NEW QUESTION 231
Which of the following is the MOST appropriate use of gap analysis?

A. Evaluating a business impact analysis (BIA)
B. Developing a balanced business scorecard
C. Demonstrating the relationship between controls
D. Measuring current state v
E. desired future state

Answer: D

Explanation:

A gap analysis is most useful in addressing the differences between the current state and an ideal future state. It is not as appropriate for evaluating a business impact analysis (BIA), developing a balanced business scorecard or demonstrating the relationship between variables.

NEW QUESTION 233
Which of the following would be the FIRST step in establishing an information security program?

A. Develop the security polic
B. Develop security operating procedure
C. Develop the security pla
D. Conduct a security controls stud

Answer: C

Explanation:

A security plan must be developed to implement the security strategy. All of the other choices should follow the development of the security plan.

NEW QUESTION 236
Which of the following is the MOST effective solution for preventing internal users from modifying sensitive and classified information?

A. Baseline security standards
B. System access violation logs
C. Role-based access controls
D. Exit routines

Answer: C

Explanation:

Role-based access controls help ensure that users only have access to files and systems appropriate for their job role. Violation logs are detective and do not prevent unauthorized access. Baseline security standards do not prevent unauthorized access. Exit routines are dependent upon appropriate role-based access.

NEW QUESTION 241
Who can BEST advocate the development of and ensure the success of an information security program?

A. Internal auditor
B. Chief operating officer (COO)
C. Steering committee
D. IT management

Answer: C

Explanation:

Senior management represented in the security steering committee is in the best position to advocate the establishment of and continued support for an information security program. The chief operating officer (COO) will be a member of that committee. An internal auditor is a good advocate but is secondary to the influence of senior management. IT management has a lesser degree of influence and would also be part of the steering committee.

NEW QUESTION 244
The BEST reason for an organization to have two discrete firewalls connected directly to the Internet and to the same DMZ would be to:

A. provide in-depth defens
B. separate test and productio
C. permit traffic load balancin
D. prevent a denial-of-service attac

Answer: C

Explanation:

Having two entry points, each guarded by a separate firewall, is desirable to permit traffic load balancing. As they both connect to the Internet and to the same demilitarized zone (DMZ), such an arrangement is not practical for separating test from production or preventing a denial-of-service attack.

NEW QUESTION 248
Which of the following is the BEST metric for evaluating the effectiveness of security awareness twining? The number of:

A. password reset
B. reported incident
C. incidents resolve
D. access rule violation

Answer: B

Explanation:

Reported incidents will provide an indicator of the awareness level of staff. An increase in reported incidents could indicate that the staff is paying more attention to security. Password resets and access rule violations may or may not have anything to do with awareness levels. The number of incidents resolved may not correlate to staff awareness.

NEW QUESTION 253
Which of the following is the MOST important risk associated with middleware in a client-server environment?

A. Server patching may be prevented
B. System backups may be incomplete
C. System integrity may be affected
D. End-user sessions may be hijacked

Answer: C

Explanation:

The major risk associated with middleware in a client-server environment is that system integrity may be adversely affected because of the very purpose of middleware, which is intended to support multiple operating environments interacting concurrently. Lack of proper software to control portability of data or programs across multiple platforms could result in a loss of data or program integrity. All other choices are less likely to occur.

NEW QUESTION 254
A test plan to validate the security controls of a new system should be developed during which phase of the project?

A. Testing
B. Initiation
C. Design
D. Development

Answer: C

Explanation:

In the design phase, security checkpoints are defined and a test plan is developed. The testing phase is too late since the system has already been developed and is in production testing. In the initiation phase, the basic security objective of the project is acknowledged. Development is the coding phase and is too late to consider test plans.

NEW QUESTION 257
What is the MOST important item to be included in an information security policy?

A. The definition of roles and responsibilities
B. The scope of the security program
C. The key objectives of the security program
D. Reference to procedures and standards of the security program

Answer: C

Explanation:

Stating the objectives of the security program is the most important element to ensure alignment with business goals. The other choices are part of the security policy, but they are not as important.

NEW QUESTION 260
Which of the following is MOST important to the success of an information security program?

A. Security' awareness training
B. Achievable goals and objectives
C. Senior management sponsorship
D. Adequate start-up budget and staffing

Answer: C

Explanation:

Sufficient senior management support is the most important factor for the success of an information security program. Security awareness training, although important, is secondary. Achievable goals and objectives as well as having adequate budgeting and staffing are important factors, but they will not ensure success if senior management support is not present.

NEW QUESTION 264
Which of the following tools is MOST appropriate to assess whether information security governance objectives are being met?

A. SWOT analysis
B. Waterfall chart
C. Gap analysis
D. Balanced scorecard

Answer: D

Explanation:

The balanced scorecard is most effective for evaluating the degree to which information security objectives are being met. A SWOT analysis addresses strengths, weaknesses, opportunities and threats. Although useful, a SWOT analysis is not as effective a tool.
Similarly, a gap analysis, while useful for identifying the difference between the current state and the desired future state, is not the most appropriate tool. A waterfall chart is used to understand the flow of one process into another.

NEW QUESTION 269
The MOST effective way to ensure that outsourced service providers comply with the organization's information security policy would be:

A. service level monitorin
B. penetration testin
C. periodically auditin
D. security awareness trainin

Answer: C

Explanation:

Regular audit exercise can spot any gap in the information security compliance. Service level monitoring can only pinpoint operational issues in the organization's operational environment. Penetration testing can identify security vulnerability but cannot ensure information compliance Training can increase users' awareness on the information security policy, but is not more effective than auditing.

NEW QUESTION 273
Which of the following is the MOST effective solution for preventing individuals external to the organization from modifying sensitive information on a corporate database?

A. Screened subnets
B. Information classification policies and procedures
C. Role-based access controls
D. Intrusion detection system (IDS)

Answer: A

Explanation:

Screened subnets are demilitarized zones (DMZs) and are oriented toward preventing attacks on an internal network by external users. The policies and procedures to classify information will ultimately result in better protection but they will not prevent actual modification. Role-based access controls would help ensure that users only had access to files and systems appropriate for their job role. Intrusion detection systems (IDS) are useful to detect invalid attempts but they will not prevent attempts.

NEW QUESTION 275
Security monitoring mechanisms should PRIMARILY:

A. focus on business-critical informatio
B. assist owners to manage control risk
C. focus on detecting network intrusion
D. record all security violation

Answer: A

Explanation:

Security monitoring must focus on business-critical information to remain effectively usable by and credible to business users. Control risk is the possibility that controls would not detect an incident or error condition, and therefore is not a correct answer because monitoring would not directly assist in managing this risk. Network intrusions are not the only focus of monitoring mechanisms; although they should record all security violations, this is not the primary objective.

NEW QUESTION 276
An organization without any formal information security program that has decided to implement information security best practices should FIRST:

A. invite an external consultant to create the security strateg
B. allocate budget based on best practice
C. benchmark similar organization
D. define high-level business security requirement

Answer: D

Explanation:

All four options are valid steps in the process of implementing information security best practices; however, defining high-level business security requirements should precede the others because the implementation should be based on those security requirements.

NEW QUESTION 280
Which of the following is MOST effective in preventing weaknesses from being introduced into existing production systems?

A. Patch management
B. Change management

C. Security baselines
D. Virus detection

Answer: B

Explanation:

Change management controls the process of introducing changes to systems. This is often the point at which a weakness will be introduced. Patch management involves the correction of software weaknesses and would necessarily follow change management procedures. Security baselines provide minimum recommended settings and do not prevent introduction of control weaknesses. Virus detection is an effective tool but primarily focuses on malicious code from external sources, and only for those applications that are online.

NEW QUESTION 283
Which of the following would BEST protect an organization's confidential data stored on a laptop computer from unauthorized access?

A. Strong authentication by password
B. Encrypted hard drives
C. Multifactor authentication procedures
D. Network-based data backup

Answer: B

Explanation:

Encryption of the hard disks will prevent unauthorized access to the laptop even when the laptop is lost or stolen. Strong authentication by password can be bypassed by a
determined hacker. Multifactor authentication can be bypassed by removal of the hard drive and insertion into another laptop. Network- based data backups do not prevent access but rather recovery from data loss.

NEW QUESTION 288
A message* that has been encrypted by the sender's private key and again by the receiver's public key achieves:

A. authentication and authorizatio
B. confidentiality and integrit
C. confidentiality and nonrepudiatio
D. authentication and nonrepudiatio

Answer: C

Explanation:

Encryption by the private key of the sender will guarantee authentication and nonrepudiation. Encryption by the public key of the receiver will guarantee confidentiality.

NEW QUESTION 293
When a proposed system change violates an existing security standard, the conflict would be BEST resolved by:

A. calculating the residual ris
B. enforcing the security standar
C. redesigning the system chang
D. implementing mitigating control

Answer: A

Explanation:

Decisions regarding security should always weigh the potential loss from a risk against the existing controls. Each situation is unique; therefore, it is not advisable to always decide in favor of enforcing a standard. Redesigning the proposed change might not always be the best option because it might not meet the business needs. Implementing additional controls might be an option, but this would be done after the residual risk is known.

NEW QUESTION 295
What is the BEST policy for securing data on mobile universal serial bus (USB) drives?

A. Authentication
B. Encryption
C. Prohibit employees from copying data to l)SB devices
D. Limit the use of USB devices

Answer: B

Explanation:

Encryption provides the most effective protection of data on mobile devices. Authentication on its own is not very secure. Prohibiting employees from copying data to USB devices and limiting the use of USB devices are after the fact.

NEW QUESTION 296
Which of the following is the MOST effective type of access control?

A. Centralized
B. Role-based
C. Decentralized
D. Discretionary

Answer: B

Explanation:

Role-based access control allows users to be grouped into job-related categories, which significantly cases the required administrative overhead. Discretionary access control would require a greater degree of administrative overhead. Decentralized access control generally requires a greater number of staff to administer, while centralized access control is an incomplete answer.

NEW QUESTION 301
Priority should be given to which of the following to ensure effective implementation of
information security governance?

A. Consultation
B. Negotiation
C. Facilitation
D. Planning

Answer: D

Explanation:

Planning is the key to effective implementation of information security governance. Consultation, negotiation and facilitation come after planning.

NEW QUESTION 304
In an organization, information systems security is the responsibility of:

A. all personne
B. information systems personne
C. information systems security personne
D. functional personne

Answer: A

Explanation:

All personnel of the organization have the responsibility of ensuring information systems security-this can include indirect personnel such as physical security personnel. Information systems security cannot be the responsibility of information systems personnel alone since they cannot ensure security. Information systems security cannot be the responsibility of information systems security personnel alone since they cannot ensure security. Information systems security cannot be the responsibility of functional personnel alone since they cannot ensure security.

NEW QUESTION 306
In order to protect a network against unauthorized external connections to corporate systems, the information security manager should BEST implement:

A. a strong authenticatio
B. IP antispoofing filterin
C. network encryption protoco
D. access lists of trusted device

Answer: A

Explanation:

Strong authentication will provide adequate assurance on the identity of the users, while IP antispoofing is aimed at the device rather than the user. Encryption protocol ensures data confidentiality and authenticity while access lists of trusted devices are easily exploited by spoofed identity of the clients.

NEW QUESTION 310
Security awareness training is MOST likely to lead to which of the following?

A. Decrease in intrusion incidents
B. Increase in reported incidents
C. Decrease in security policy changes
D. Increase in access rule violations

Answer: B

Explanation:

Reported incidents will provide an indicator as to the awareness level of staff. An increase in reported incidents could indicate that staff is paying more attention to security. Intrusion incidents and access rule violations may or may not have anything to do with awareness levels. A decrease in changes to security policies may or may not correlate to security awareness training.

NEW QUESTION 314

Secure customer use of an e-commerce application can BEST be accomplished through:

A. data encryptio
B. digital signature
C. strong password
D. two-factor authenticatio

Answer: A

Explanation:

Encryption would be the preferred method of ensuring confidentiality in customer communications with an e-commerce application. Strong passwords, by themselves, would not be sufficient since the data could still be intercepted, while two-factor authentication would be impractical. Digital signatures would not provide a secure means of communication. In most business-to-customer (B-to-C) web applications, a digital signature is also not a practical solution.

NEW QUESTION 315
Which of the following is the BEST method to securely transfer a message?

A. Password-protected removable media
B. Facsimile transmission in a secured room
C. Using public key infrastructure (PKI) encryption
D. Steganography

Answer: C

Explanation:

Using public key infrastructure (PKI) is currently accepted as the most secure method to transmit e-mail messages. PKI assures confidentiality, integrity and nonrepudiation. The other choices are not methods that are as secure as PKI. Steganography involves hiding a message in an image.

NEW QUESTION 317
The MOST effective way to ensure network users are aware of their responsibilities to comply with an organization's security requirements is:

A. messages displayed at every logo
B. periodic security-related e-mail message
C. an Intranet web site for information securit
D. circulating the information security polic

Answer: A

Explanation:

Logon banners would appear every time the user logs on, and the user would be required to read and agree to the same before using the resources. Also, as the message is conveyed in writing and appears consistently, it can be easily enforceable in any organization. Security-related e-mail messages are frequently considered as "Spam" by network users and do not, by themselves, ensure that the user agrees to comply with security requirements. The existence of an Intranet web site does not force users to access it and read the information. Circulating the information security policy atone does not confirm that an individual user has read, understood and agreed to comply with its requirements unless it is associated with formal acknowledgment, such as a user's signature of acceptance.

NEW QUESTION 319
The PRIMARY objective of an Internet usage policy is to prevent:

A. access to inappropriate site
B. downloading malicious cod
C. violation of copyright law
D. disruption of Internet acces

Answer: D

Explanation:

Unavailability of Internet access would cause a business disruption. The other three objectives are secondary.

NEW QUESTION 321
Which of the following is the MOST important guideline when using software to scan for security exposures within a corporate network?

A. Never use open source tools
B. Focus only on production servers
C. Follow a linear process for attacks
D. Do not interrupt production processes

Answer: D

Explanation:

The first rule of scanning for security exposures is to not break anything. This includes the interruption of any running processes. Open source tools are an excellent resource for performing scans. Scans should focus on both the test and production environments since, if compromised, the test environment could be used as a platform from which to attack production servers. Finally, the process of scanning for exposures is more of a spiral process than a linear process.

NEW QUESTION 322
A new port needs to be opened in a perimeter firewall. Which of the following should be the FIRST step before initiating any changes?

A. Prepare an impact assessment repor
B. Conduct a penetration tes
C. Obtain approval from senior managemen
D. Back up the firewall configuration and policy file

Answer: A

Explanation:

An impact assessment report needs to be prepared first by providing the justification for the change, analysis of the changes to be made, the impact if the change does not work as expected, priority of the change and urgency of the change request. Choices B. C and D could be important steps, but the impact assessment report should be performed before the other steps.

NEW QUESTION 326
Good information security procedures should:

A. define the allowable limits of behavio
B. underline the importance of security governanc
C. describe security baselines for each platfor
D. be updated frequently as new software is release

Answer: D

Explanation:

Security procedures often have to change frequently to keep up with changes in software. Since a procedure is a how-to document, it must be kept up-to-date with frequent changes in software. A security standard such as platform baselines—defines behavioral limits, not the how-to process; it should not change frequently. High-level objectives of an organization, such as security governance, would normally be addressed in a security policy.

NEW QUESTION 331
Which of the following is the BEST tool to maintain the currency and coverage of an information security program within an organization?

A. The program's governance oversight mechanisms
B. Information security periodicals and manuals
C. The program's security architecture and design
D. Training and certification of the information security team

Answer: A

Explanation:

While choices B, C and D will all assist the currency and coverage of the program, its governance oversight mechanisms are the best method.

NEW QUESTION 335
Which of the following is the MOST effective, positive method to promote security awareness?

A. Competitions and rewards for compliance
B. Lock-out after three incorrect password attempts
C. Strict enforcement of password formats
D. Disciplinary action for noncompliance

Answer: A

Explanation:

Competitions and rewards are a positive encouragement to user participation in the security program. Merely locking users out for forgetting their passwords does not enhance user awareness. Enforcement of password formats and disciplinary actions do not positively promote awareness.

NEW QUESTION 340
Documented standards/procedures for the use of cryptography across the enterprise should PRIMARILY:

A. define the circumstances where cryptography should be use
B. define cryp,0?raphic algorithms and key length
C. describe handling procedures of cryptographic key
D. establish the use of cryptographic solution

Answer: A

Explanation:

There should be documented standards- procedures for the use of cryptography across the enterprise; they should define the circumstances where cryptography should be used. They should cover the selection of cryptographic algorithms and key lengths, but not define them precisely, and they should address the handling of cryptographic keys. However, this is secondary to how and when cryptography should be used. The use of cryptographic solutions should be addressed but, again, this is a secondary consideration.

NEW QUESTION 342
To mitigate a situation where one of the programmers of an application requires access to production data, the information security manager could BEST recommend to.

A. create a separate account for the programmer as a power use
B. log all of the programmers' activity for review by superviso
C. have the programmer sign a letter accepting full responsibilit
D. perform regular audits of the applicatio

Answer: B

Explanation:

It is not always possible to provide adequate segregation of duties between programming and operations in order to meet certain business requirements. A mitigating control is to record all of the programmers' actions for later review by their supervisor, which would reduce the likelihood of any inappropriate action on the part of the programmer. Choices A, C and D do not solve the problem.

NEW QUESTION 346
To reduce the possibility of service interruptions, an entity enters into contracts with multiple Internet service providers (ISPs). Which of the following would be the MOS T important item to include?

A. Service level agreements (SLAs)
B. Right to audit clause
C. Intrusion detection system (IDS) services
D. Spam filtering services

Answer: A

Explanation:

Service level agreements (QUESTION NO: As) will be most effective in ensuring that Internet service providers (ISPs) comply with expectations for service availability. Intrusion detection system (IDS) and spam filtering services would not mitigate (as directly) the potential for service interruptions. A right-to-audit clause would not be effective in mitigating the likelihood of a service interruption.

NEW QUESTION 348
What is the MAIN drawback of e-mailing password-protected zip files across the Internet? They:

A. all use weak encryptio
B. are decrypted by the firewal
C. may be quarantined by mail filter
D. may be corrupted by the receiving mail serve

Answer: C

Explanation:

Often, mail filters will quarantine zip files that are password-protected since the filter (or the firewall) is unable to determine if the file contains malicious code. Many zip file products are capable of using strong encryption. Such files are not normally corrupted by the sending mail server.

NEW QUESTION 351
Requiring all employees and contractors to meet personnel security/suitability requirements commensurate with their position sensitivity level and subject to personnel screening is an example of a security:

A. polic
B. strateg
C. guideline
D. baselin

Answer: A

Explanation:

A security policy is a general statement to define management objectives with respect to security. The security strategy addresses higher level issues. Guidelines are optional actions and operational tasks. A security baseline is a set of minimum requirements that is acceptable to an organization.

NEW QUESTION 356
Change management procedures to ensure that disaster recovery/business continuity plans are kept up-to- date can be BEST achieved through which of the following?

A. Reconciliation of the annual systems inventory to the disaster recovery, business continuity plans
B. Periodic audits of the disaster recovery/business continuity plans
C. Comprehensive walk-through testing
D. Inclusion as a required step in the system life cycle process

Answer: D

Explanation:

Information security should be an integral component of the development cycle; thus, it should be included at the process level. Choices A, B and C are good mechanisms to ensure compliance, but would not be nearly as timely in ensuring that the plans are always up-to-date. Choice D is a preventive control, while choices A, B and C are detective controls.

NEW QUESTION 359
To help ensure that contract personnel do not obtain unauthorized access to sensitive information, an information security manager should PRIMARILY:

A. set their accounts to expire in six months or les
B. avoid granting system administration role
C. ensure they successfully pass background check
D. ensure their access is approved by the data owne

Answer: B

Explanation:

Contract personnel should not be given job duties that provide them with power user or other administrative roles that they could then use to grant themselves access to sensitive files. Setting expiration dates, requiring background checks and having the data owner assign access are all positive elements, but these will not prevent contract personnel from obtaining access to sensitive information.

NEW QUESTION 360
What is the BEST method to confirm that all firewall rules and router configuration settings are adequate?

A. Periodic review of network configuration
B. Review intrusion detection system (IDS) logs for evidence of attacks
C. Periodically perform penetration tests
D. Daily review of server logs for evidence of hacker activity

Answer: C

Explanation:

Due to the complexity of firewall rules and router tables, plus the sheer size of intrusion detection systems (IDSs) and server logs, a physical review will be insufficient. The best approach for confirming the adequacy of these configuration settings is to periodically perform attack and penetration tests.

NEW QUESTION 364
Security audit reviews should PRIMARILY:

A. ensure that controls operate as require
B. ensure that controls are cost-effectiv
C. focus on preventive control
D. ensure controls are technologically curren

Answer: A

Explanation:

The primary objective of a security review or audit should be to provide assurance on the adequacy of security controls. Reviews should focus on all forms of control, not just on preventive control. Cost-effectiveness and technological currency are important but not as critical.

NEW QUESTION 366
Which is the BEST way to measure and prioritize aggregate risk deriving from a chain of linked system vulnerabilities?

A. Vulnerability scans
B. Penetration tests
C. Code reviews
D. Security audits

Answer: B

Explanation:

A penetration test is normally the only security assessment that can link vulnerabilities together by exploiting them sequentially. This gives a good measurement and prioritization of risks. Other security assessments such as vulnerability scans, code reviews and security audits can help give an extensive and thorough risk and vulnerability overview', but will not be able to test or demonstrate the final consequence of having several vulnerabilities linked together. Penetration testing can give risk a new perspective and prioritize based on the end result of a sequence of security problems.

NEW QUESTION 368
Which of the following would be MOST critical to the successful implementation of a biometric authentication system?

A. Budget allocation
B. Technical skills of staff
C. User acceptance
D. Password requirements

Answer: C

Explanation:

End users may react differently to the implementation, and may have specific preferences.
The information security manager should be aware that what is viewed as reasonable in one culture may not be acceptable in another culture. Budget allocation will have a lesser impact since what is rejected as a result of culture cannot be successfully implemented regardless of budgetary considerations. Technical skills of staff will have a lesser impact since new staff can be recruited or existing staff can be trained. Although important, password requirements would be less likely to guarantee the success of the implementation.

NEW QUESTION 369
Which of the following would BEST assist an information security manager in measuring the existing level of development of security processes against their desired state?

A. Security audit reports
B. Balanced scorecard
C. Capability maturity model (CMM)
D. Systems and business security architecture

Answer: C

Explanation:

The capability maturity model (CMM) grades each defined area of security processes on a scale of 0 to 5 based on their maturity, and is commonly used by entities to measure their existing state and then determine the desired one. Security audit reports offer a limited view of the current state of security. Balanced scorecard is a document that enables management to measure the implementation of their strategy and assists in its translation into action. Systems and business security architecture explain the security architecture of an entity in terms of business strategy, objectives, relationships, risks, constraints and enablers, and provides a business-driven and business-focused view of security architecture.

NEW QUESTION 372
Which of the following is the MOST appropriate method to protect a password that opens a confidential file?

A. Delivery path tracing
B. Reverse lookup translation
C. Out-of-band channels
D. Digital signatures

Answer: C

Explanation:

Out-of-band channels are useful when it is necessary, for confidentiality, to break a message into two parts that are then sent by different means. Digital signatures only provide nonrepudiation. Reverse lookup translation involves converting ;in Internet Protocol (IP) address to a username. Delivery path tracing shows the route taken but does not confirm the identity of the sender.

NEW QUESTION 376
Which of the following is the BEST method to reduce the number of incidents of employees forwarding spam and chain e-mail messages?

A. Acceptable use policy
B. Setting low mailbox limits
C. User awareness training
D. Taking disciplinary action

Answer: C

Explanation:

User awareness training would help in reducing the incidents of employees forwarding spam and chain e-mails since users would understand the risks of doing so and the impact on the organization's information system. An acceptable use policy, signed by employees, would legally address the requirements but merely having a policy is not the best measure. Setting low mailbox limits and taking disciplinary action are a reactive approach and may not help in obtaining proper support from employees.

NEW QUESTION 379
The MOST appropriate individual to determine the level of information security needed for a specific business application is the:

A. system develope
B. information security manage
C. steering committe
D. system data owne

Answer: D

Explanation:

Data owners are the most knowledgeable of the security needs of the business application for which they are responsible. The system developer, security manager and system custodian will have specific knowledge on limited areas but will not have full knowledge of the business issues that affect the level of security required. The steering committee does not perform at that level of detail on the operation.

NEW QUESTION 383

A benefit of using a full disclosure (white box) approach as compared to a blind (black box) approach to penetration testing is that:

A. it simulates the real-1ife situation of an external security attac
B. human intervention is not required for this type of tes
C. less time is spent on reconnaissance and information gatherin
D. critical infrastructure information is not revealed to the teste

Answer: C

Explanation:

Data and information required for penetration are shared with the testers, thus eliminating time that would otherwise have been spent on reconnaissance and gathering of information. Blind (black box) penetration testing is closer to real life than full disclosure (white box) testing. There is no evidence to support that human intervention is not required for this type of test. A full disclosure (white box) methodology requires the knowledge of the subject being tested.

NEW QUESTION 387
An organization has implemented an enterprise resource planning (ERP) system used by 500 employees from various departments. Which of the following access control approaches is MOST appropriate?

A. Rule-based
B. Mandatory
C. Discretionary
D. Role-based

Answer: D

Explanation:

Role-based access control is effective and efficient in large user communities because it controls system access by the roles defined for groups of users. Users are assigned to the various roles and the system controls the access based on those roles. Rule-based access control needs to define the access rules, which is troublesome and error prone in large organizations. In mandatory access control, the individual's access to information resources needs to be defined, which is troublesome in large organizations. In discretionary access control, users have access to resources based on predefined sets of principles, which is an inherently insecure approach.

NEW QUESTION 389
Managing the life cycle of a digital certificate is a role of a(n):

A. system administrato
B. security administrato
C. system develope
D. independent trusted sourc

Answer: D

Explanation:

Digital certificates must be managed by an independent trusted source in order to maintain trust in their authenticity. The other options are not necessarily entrusted with this capability.

NEW QUESTION 392
Which of the following will BEST prevent an employee from using a USB drive to copy files from desktop computers?

A. Restrict the available drive allocation on all PCs
B. Disable universal serial bus (USB) ports on all desktop devices
C. Conduct frequent awareness training with noncompliance penalties
D. Establish strict access controls to sensitive information

Answer: A

Explanation:

Restricting the ability of a PC to allocate new drive letters ensures that universal serial bus (USB) drives or even CD-writers cannot be attached as they would not be recognized by the operating system. Disabling USB ports on all machines is not practical since mice and other peripherals depend on these connections. Awareness training and sanctions do not prevent copying of information nor do access controls.

NEW QUESTION 395
Successful social engineering attacks can BEST be prevented through:

A. preemployment screenin
B. close monitoring of users' access pattern
C. periodic awareness trainin
D. efficient termination procedure

Answer: C

Explanation:

Security awareness training is most effective in preventing the success of social engineering attacks by providing users with the awareness they need to resist such attacks. Screening of new employees, monitoring and rapid termination will not be effective against external attacks.

NEW QUESTION 400
Which of the following is the MOST likely to change an organization's culture to one that is more security conscious?

A. Adequate security policies and procedures
B. Periodic compliance reviews
C. Security steering committees
D. Security awareness campaigns

Answer: D

Explanation:

Security awareness campaigns will be more effective at changing an organizational culture than the creation of steering committees and security policies and procedures. Compliance reviews are helpful; however, awareness by all staff is more effective because compliance reviews are focused on certain areas groups and do not necessarily educate.

NEW QUESTION 405
Simple Network Management Protocol v2 (SNMP v2) is used frequently to monitor networks. Which of the following vulnerabilities does il always introduce?

A. Remote buffer overflow
B. Cross site scripting
C. Clear text authentication
D. Man-in-the-middle attack

Answer: C

Explanation:

One of the main problems with using SNMP vl and v°2 is the clear text "community string" that it uses to authenticate. It is easy to sniff and reuse. Most times, the SNMP community string is shared throughout the organization's servers and routers, making this authentication problem a serious threat to security. There have been some isolated cases of remote buffer overflows against SNMP daemons, but generally that is not a problem. Cross site scripting is a web application vulnerability that is not related to SNMP. A man-in-the-middlc attack against a user datagram protocol (UDP) makes no sense since there is no active session; every request has the community string and is answered independently.

NEW QUESTION 406
Which of the following is the MOST appropriate individual to ensure that new exposures have not been introduced into an existing application during the change management process?

A. System analyst
B. System user
C. Operations manager
D. Data security officer

Answer: B

Explanation:

System users, specifically the user acceptance testers, would be in the best position to note whether new exposures are introduced during the change management process. The system designer or system analyst, data security officer and operations manager would not be as closely involved in testing code changes.

NEW QUESTION 409
The BEST way to ensure that security settings on each platform are in compliance with information security policies and procedures is to:

A. perform penetration testin
B. establish security baseline
C. implement vendor default setting
D. link policies to an independent standar

Answer: B

Explanation:

Security baselines will provide the best assurance that each platform meets minimum criteria. Penetration testing will not be as effective and can only be performed periodically. Vendor default settings will not necessarily meet the criteria set by the security policies, while linking policies to an independent standard will not provide assurance that the platforms meet these levels of security.

NEW QUESTION 413
There is reason to believe that a recently modified web application has allowed unauthorized access. Which is the BEST way to identify an application backdoor?

A. Black box pen test
B. Security audit
C. Source code review
D. Vulnerability scan

Answer:

C

Explanation:

Source code review is the best way to find and remove an application backdoor. Application backdoors can be almost impossible to identify' using a black box pen test or a security audit. A vulnerability scan will only find "known" vulnerability patterns and will therefore not find a programmer's application backdoor.

NEW QUESTION 414
Which of the following is the MAIN objective in contracting with an external company to perform penetration testing?

A. To mitigate technical risks
B. To have an independent certification of network security
C. To receive an independent view of security exposures
D. To identify a complete list of vulnerabilities

Answer: C

Explanation:

Even though the organization may have the capability to perform penetration testing with internal resources, third-party penetration testing should be performed to gain an independent view of the security exposure. Mitigating technical risks is not a direct result of a penetration test. A penetration test would not provide certification of network security nor provide a complete list of vulnerabilities.

NEW QUESTION 416
The PRIMARY reason for using metrics to evaluate information security is to:

A. identify security weaknesse
B. justify budgetary expenditure
C. enable steady improvemen
D. raise awareness on security issue

Answer: C

Explanation:

The purpose of a metric is to facilitate and track continuous improvement. It will not permit the identification of all security weaknesses. It will raise awareness and help in justifying certain expenditures, but this is not its main purpose.

NEW QUESTION 419
Which of the following metrics would be the MOST useful in measuring how well information security is monitoring violation logs?

A. Penetration attempts investigated
B. Violation log reports produced
C. Violation log entries
D. Frequency of corrective actions taken

Answer: A

Explanation:

The most useful metric is one that measures the degree to which complete follow-through has taken place. The quantity of reports, entries on reports and the frequency of corrective actions are not indicative of whether or not investigative action was taken.

NEW QUESTION 424
Which of the following should be in place before a black box penetration test begins?

A. IT management approval
B. Proper communication and awareness training
C. A clearly stated definition of scope
D. An incident response plan

Answer: C

Explanation:

Having a clearly stated definition of scope is most important to ensure a proper understanding of risk as well as success criteria, IT management approval may not be required based on senior management decisions. Communication, awareness and an incident response plan are not a necessary requirement. In fact, a penetration test could help promote the creation and execution of the incident response plan.

NEW QUESTION 425
The BEST way to determine if an anomaly-based intrusion detection system (IDS) is properly installed is to:

A. simulate an attack and review IDS performanc
B. use a honeypot to check for unusual activit
C. audit the configuration of the ID
D. benchmark the IDS against a peer sit

Answer: A

Explanation:

Simulating an attack on the network demonstrates whether the intrusion detection system (IDS) is properly tuned. Reviewing the configuration may or may not reveal weaknesses since an anomaly-based system uses trends to identify potential attacks. A honeypot is not a good first step since it would need to have already been penetrated. Benchmarking against a peer site would generally not be practical or useful.

NEW QUESTION 430
An information security manager reviewing firewall rules will be MOST concerned if the firewall allows:

A. source routin
B. broadcast propagatio
C. unregistered port
D. nonstandard protocol

Answer: A

Explanation:

If the firewall allows source routing, any outsider can carry out spoofing attacks by stealing the internal (private) IP addresses of the organization. Broadcast propagation, unregistered ports and nonstandard protocols do not create a significant security exposure.

NEW QUESTION 434
Several business units reported problems with their systems after multiple security patches were deployed. The FIRST step in handling this problem would be to:

A. assess the problems and institute rollback procedures, if neede
B. disconnect the systems from the network until the problems are correcte
C. immediately uninstall the patches from these system
D. immediately contact the vendor regarding the problems that occurre

Answer: A

Explanation:

Assessing the problems and instituting rollback procedures as needed would be the best course of action. Choices B and C would not identify where the problem was, and may in fact make the problem worse. Choice D is part of the assessment.

NEW QUESTION 436
In designing a backup strategy that will be consistent with a disaster recovery strategy, the PRIMARY factor to be taken into account will be the:

A. volume of sensitive dat
B. recovery point objective (RPO).
C. recovery' time objective (RTO).
D. interruption windo

Answer: B

Explanation:

The recovery point objective (RPO) defines the maximum loss of data (in terms of time) acceptable by the business (i.e., age of data to be restored). It will directly determine the basic elements of the backup strategy frequency of the backups and what kind of backup is the most appropriate (disk-to-disk, on tape, mirroring). The volume of data will be used to determine the capacity of the backup solution. The recovery time objective (RTO)—the time between disaster and return to normal operation—will not have any impact on the backup strategy. The availability to restore backups in a time frame consistent with the interruption window will have to be checked and will influence the strategy (e.g., full backup vs. incremental), but this will not be the primary factor.

NEW QUESTION 437
If an organization considers taking legal action on a security incident, the information security manager should focus PRIMARILY on:

A. obtaining evidence as soon as possibl
B. preserving the integrity of the evidenc
C. disconnecting all IT equipment involve
D. reconstructing the sequence of event

Answer: B

Explanation:

The integrity of evidence should be kept, following the appropriate forensic techniques to obtain the evidence and a chain of custody procedure to maintain the evidence (in order to be accepted in a court of law). All other options are pan of the investigative procedure, but they are not as important as preserving the integrity of the evidence.

NEW QUESTION 440
Which of the following processes is critical for deciding prioritization of actions in a business continuity plan?

A. Business impact analysis (BIA)
B. Risk assessment

C. Vulnerability assessment
D. Business process mapping

Answer: A

Explanation:

A business impact analysis (BIA) provides results, such as impact from a security incident and required response times. The BIA is the most critical process for deciding which part of the information system/ business process should be given prioritization in case of a security incident. Risk assessment is a very important process for the creation of a business continuity plan. Risk assessment provides information on the likelihood of occurrence of security incidence and assists in the selection of countermeasures. but not in the prioritization. As in choice B, a vulnerability assessment provides information regarding the security weaknesses of the system, supporting the risk analysis process. Business process mapping facilitates the creation of the plan by providing mapping guidance on actions after the decision on critical business processes has been made-translating business prioritization to IT prioritization. Business process mapping does not help in making a decision, but in implementing a decision.

NEW QUESTION 445
When creating a forensic image of a hard drive, which of the following should be the FIRST step?

A. Identify a recognized forensics software tool to create the imag
B. Establish a chain of custody lo
C. Connect the hard drive to a write blocke
D. Generate a cryptographic hash of the hard drive content

Answer: B

Explanation:

The first step in any investigation requiring the creation of a forensic image should always be to maintain the chain of custody. Identifying a recognized forensics software tool to create the image is one of the important steps, but it should come after several of the other options. Connecting the hard drive to a write blocker is an important step, but it must be done after the chain of custody has been established. Generating a cryptographic hash of the hard drive contents is another important step, but one that comes after several of the other options.

NEW QUESTION 446
Which of the following would represent a violation of the chain of custody when a backup tape has been identified as evidence in a fraud investigation? The tape was:

A. removed into the custody of law enforcement investigator
B. kept in the tape library' pending further analysi
C. sealed in a signed envelope and locked in a safe under dual contro
D. handed over to authorized independent investigator

Answer: B

Explanation:

Since a number of individuals would have access to the tape library, and could have accessed and tampered with the tape, the chain of custody could not be verified. All other choices provide clear indication of who was in custody of the tape at all times.

NEW QUESTION 448
Which of the following recovery strategies has the GREATEST chance of failure?

A. Hot site
B. Redundant site
C. Reciprocal arrangement
D. Cold site

Answer: C

Explanation:

A reciprocal arrangement is an agreement that allows two organizations to back up each other during a disaster. This approach sounds desirable, but has the greatest chance of failure due to problems in keeping agreements and plans up to date. A hot site is incorrect because it is a site kept fully equipped with processing capabilities and other services by the vendor. A redundant site is incorrect because it is a site equipped and configured exactly like the primary site. A cold site is incorrect because it is a building having a basic environment such as electrical wiring, air conditioning, flooring, etc. and is ready to receive equipment in order to operate.

NEW QUESTION 453
A desktop computer that was involved in a computer security incident should be secured as evidence by:

A. disconnecting the computer from all power source
B. disabling all local user accounts except for one administrato
C. encrypting local files and uploading exact copies to a secure serve
D. copying all files using the operating system (OS) to write-once medi

Answer: A

Explanation:

To preserve the integrity of the desktop computer as an item of evidence, it should be immediately disconnected from all sources of power. Any attempt to access the information on the computer by copying, uploading or accessing it remotely changes the operating system (OS) and temporary files on the computer and invalidates it as admissible evidence.

NEW QUESTION 454
Which of the following actions should lake place immediately after a security breach is reported to an information security manager?

A. Confirm the incident
B. Determine impact
C. Notify affected stakeholders
D. Isolate the incident

Answer: A

Explanation:

Before performing analysis of impact, resolution, notification or isolation of an incident, ii must be validated as a real security incident.

NEW QUESTION 459
At the conclusion of a disaster recovery test, which of the following should ALWAYS be performed prior to leaving the vendor's hot site facility?

A. Erase data and software from devices
B. Conduct a meeting to evaluate the test
C. Complete an assessment of the hot site provider
D. Evaluate the results from all test scripts

Answer: A

Explanation:

For security and privacy reasons, all organizational data and software should be erased prior to departure. Evaluations can occur back at the office after everyone is rested, and the overall results can be discussed and compared objectively.

NEW QUESTION 462
The PRIORITY action to be taken when a server is infected with a virus is to:

A. isolate the infected server(s) from the networ
B. identify all potential damage caused by the infectio
C. ensure that the virus database files are curren
D. establish security weaknesses in the firewal

Answer: A

Explanation:

The priority in this event is to minimize the effect of the virus infection and to prevent it from spreading by removing the infected server(s) from the network. After the network is secured from further infection, the damage assessment can be performed, the virus database updated and any weaknesses sought.

NEW QUESTION 466
To determine how a security breach occurred on the corporate network, a security manager looks at the logs of various devices. Which of the following BEST facilitates the correlation and review of these logs?

A. Database server
B. Domain name server (DNS)
C. Time server
D. Proxy server

Answer: C

Explanation:

To accurately reconstruct the course of events, a time reference is needed and that is provided by the time server. The other choices would not assist in the correlation and review1 of these logs.

NEW QUESTION 470
A customer credit card database has been breached by hackers. The FIRST step in dealing with this attack should be to:

A. confirm the inciden
B. notify senior managemen
C. start containmen
D. notify law enforcemen

Answer: A

Explanation:

Asserting that the condition is a true security incident is the necessary first step in determining the correct response. The containment stage would follow. Notifying senior management and law enforcement could be part of the incident response process that takes place after confirming an incident.

NEW QUESTION 472
A post-incident review should be conducted by an incident management team to determine:

A. relevant electronic evidenc
B. lessons learne
C. hacker's identit
D. areas affecte

Answer: B

Explanation:

Post-incident reviews are beneficial in determining ways to improve the response process through lessons learned from the attack. Evaluating the relevance of evidence, who launched the attack or what areas were affected are not the primary purposes for such a meeting because these should have been already established during the response to the incident.

NEW QUESTION 474
An organization keeps backup tapes of its servers at a warm site. To ensure that the tapes are properly maintained and usable during a system crash, the MOST appropriate measure the organization should perform is to:

A. use the test equipment in the warm site facility to read the tape
B. retrieve the tapes from the warm site and test the
C. have duplicate equipment available at the warm sit
D. inspect the facility and inventory the tapes on a quarterly basi

Answer: B

Explanation:

A warm site is not fully equipped with the company's main systems; therefore, the tapes should be tested using the company's production systems. Inspecting the facility and checking the tape inventory does not guarantee that the tapes are usable.

NEW QUESTION 477
When electronically stored information is requested during a fraud investigation, which of the following should be the FIRST priority?

A. Assigning responsibility for acquiring the data
B. Locating the data and preserving the integrity of the data
C. Creating a forensically sound image
D. Issuing a litigation hold to all affected parties

Answer: B

Explanation:

Locating the data and preserving data integrity is the only correct answer because it represents the primary responsibility of an investigator and is a complete and accurate statement of the first priority. While assigning responsibility for acquiring the data is a step that should be taken, it is not the first step or the highest priority. Creating a forensically sound image may or may not be a necessary step, depending on the type of investigation, but it would never be the first priority. Issuing a litigation hold to all affected parties might be a necessary step early on in an investigation of certain types, but not the first priority.

NEW QUESTION 480
Which of the following is MOST closely associated with a business continuity program?

A. Confirming that detailed technical recovery plans exist
B. Periodically testing network redundancy
C. Updating the hot site equipment configuration every quarter
D. Developing recovery time objectives (RTOs) for critical functions

Answer: D

Explanation:

Technical recovery plans, network redundancy and equipment needs are all associated with infrastructure disaster recovery. Only recovery time objectives (RTOs) directly relate to business continuity.

NEW QUESTION 482
The PRIMARY purpose of performing an internal attack and penetration test as part of an incident response program is to identify:

A. weaknesses in network and server securit
B. ways to improve the incident response proces
C. potential attack vectors on the network perimete
D. the optimum response to internal hacker attack

Answer: A

Explanation:

An internal attack and penetration test are designed to identify weaknesses in network and server security. They do not focus as much on incident response or the network perimeter.

NEW QUESTION 486
Which of the following would be a MAJOR consideration for an organization defining its business continuity plan (BCP) or disaster recovery program (DRP)?

A. Setting up a backup site
B. Maintaining redundant systems
C. Aligning with recovery time objectives (RTOs)
D. Data backup frequency

Answer: C

Explanation:

BCP.'DRP should align with business RTOs. The RTO represents the amount of time allowed for the recovery of a business function or resource after a disaster occurs. The RTO must be taken into consideration when prioritizing systems for recovery efforts to ensure that those systems that the business requires first are the ones that are recovered first.

NEW QUESTION 488
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