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Exam Questions CISM

Certified Information Security Manager

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NEW QUESTION 1
- (Topic 1)
Which of the following is the BEST indicator of an organization's information security status?

A. Intrusion detection log analysis
B. Controls audit
C. Threat analysis
D. Penetration test

Answer: B

Explanation:
A controls audit is the best indicator of an organization's information security status, as it provides an independent and objective assessment of the design, implementation, and effectiveness of the information security controls. A controls audit can also identify the strengths and weaknesses of the information security program, as well as the compliance with the policies, standards, and regulations. A controls audit can cover various aspects of information security, such as governance, risk management, incident management, business continuity, and technical security. A controls audit can be conducted by internal or external auditors, depending on the scope, purpose, and frequency of the audit.
The other options are not as good as a controls audit, as they do not provide a comprehensive and holistic view of the information security status. Intrusion detection log analysis is a technique to monitor and analyze the network or system activities for signs of unauthorized or malicious access or attacks. It can help to detect and respond to security incidents, but it does not measure the overall performance or maturity of the information security program. Threat analysis is a process to identify and evaluate the potential sources, methods, and impacts of threats to the information assets. It can help to prioritize and mitigate the risks, but it does not verify the adequacy or functionality of the information security controls. Penetration test is a simulated attack on the network or system to evaluate the vulnerability and exploitability of the information security defenses. It can help to validate and improve the technical security, but it does not assess the non-technical aspects of information security, such as governance, policies, or awareness. References =
? CISM Review Manual, 16th Edition, ISACA, 2022, pp. 211-212, 215-216, 233-234, 237-238.
? CISM Questions, Answers & Explanations Database, ISACA, 2022, QID 1012.

NEW QUESTION 2
- (Topic 1)
Which of the following is MOST helpful in determining an organization's current capacity to mitigate risks?

A. Capability maturity model
B. Vulnerability assessment
C. IT security risk and exposure
D. Business impact analysis (BIA)

Answer: A

Explanation:
A capability maturity model (CMM) is a framework that helps organizations assess and improve their processes and capabilities in various domains, such as software development, project management, information security, and others1. A CMM defines a set of levels or stages that represent the degree of maturity or effectiveness of an organization's processes and capabilities in a specific domain. Each level has a set of criteria or characteristics that an organization must meet to achieve that level of maturity. A CMM also provides guidance and best practices on how to progress from one level to another, and how to measure and monitor the performance and improvement of the processes and capabilities2.
A CMM is most helpful in determining an organization's current capacity to mitigate risks, because it provides a systematic and objective way to evaluate the strengths and weaknesses of the organization's processes and capabilities related to risk management. A CMM can help an organization identify the gaps and opportunities for improvement in its risk management practices, and prioritize the actions and resources needed to address them. A CMM can also help an organization benchmark its risk management maturity against industry standards or best practices, and demonstrate its compliance with regulatory or contractual requirements3.
The other options are not as helpful as a CMM in determining an organization's current capacity to mitigate risks, because they are either more specific, limited, or dependent on a CMM. A vulnerability assessment is a process of identifying and analyzing the vulnerabilities in an organization's systems, networks, or applications, and their potential impact on the organization's assets, operations, or reputation. A vulnerability assessment can help an organization identify the sources and levels of risk, but it does not provide a comprehensive or holistic view of the organization's risk management maturity or effectiveness4. IT security risk and exposure is a measure of the likelihood and impact of a security breach or incident on an organization's IT assets, operations, or reputation. IT security risk and exposure can help an organization quantify and communicate the level of risk, but it does not provide a framework or guidance on how to improve the organization's risk management processes or capabilities5. A business impact analysis (BIA) is a process of identifying and evaluating the potential effects of a disruption or disaster on an organization's critical business functions, processes, or resources. A BIA can help an organization determine the priorities and requirements for business continuity and disaster recovery, but it does not provide a method or standard for assessing or enhancing the organization's risk management maturity or effectiveness. References = 1: CMMI Institute - What is CMMI? - Capability Maturity Model Integration 2: Capability Maturity Model and Risk Register Integration: The Right … 3: Performing Risk Assessments of Emerging Technologies - ISACA 4: CISM Review Manual 15th Edition, Chapter 4, Section 4.2 5: CISM Review Manual 15th Edition, Chapter 4, Section 4.3 : CISM Review Manual 15th Edition, Chapter 4, Section 4.4

NEW QUESTION 3
- (Topic 1)
Which of the following is PRIMARILY determined by asset classification?

A. Insurance coverage required for assets
B. Level of protection required for assets
C. Priority for asset replacement
D. Replacement cost of assets

Answer: B

Explanation:
Asset classification is the process of assigning a value to information assets based on their importance to the organization and the potential impact of their compromise, loss or damage1. Asset classification helps to determine the level of protection required for assets, which is proportional to their value and sensitivity2. Asset classification also facilitates risk assessment and management, as well as compliance with legal, regulatory and contractual requirements3. Asset classification does not primarily determine the insurance coverage, priority for replacement, or replacement cost of assets, as these factors depend on other criteria such as risk appetite, business impact, availability and market value4. References = 1: CISM - Information Asset Classification Flashcards | Quizlet 2: CISM

Exam Content Outline | CISM Certification | ISACA 3: CIS Control 1: Inventory and Control of Enterprise Assets 4: CISSP versus the CISM Certification | ISC2

NEW QUESTION 4
- (Topic 1)
Which of the following is MOST important when conducting a forensic investigation?

A. Analyzing system memory
B. Documenting analysis steps
C. Capturing full system images
D. Maintaining a chain of custody

Answer: D

Explanation:
Maintaining a chain of custody is the most important step when conducting a forensic investigation, as this ensures that the evidence is preserved, protected, and documented from the time of collection to the time of presentation in court. A chain of custody provides a record of who handled the evidence, when, where, why, and how, and prevents any tampering, alteration, or loss of the evidence. A chain of custody also establishes the authenticity, reliability, and admissibility of the evidence in legal
proceedings. Analyzing system memory, documenting analysis steps, and capturing full system images are also important, but not as important as maintaining a chain of custody, as they do not guarantee the integrity and validity of the evidence. References = CISM Review Manual 2023, page 1701; CISM Review Questions, Answers & Explanations Manual 2023, page 332; ISACA CISM - iSecPrep, page 183

NEW QUESTION 5
- (Topic 1)
Which of the following is the BEST approach for governing noncompliance with security requirements?

A. Base mandatory review and exception approvals on residual risk,
B. Require users to acknowledge the acceptable use policy.
C. Require the steering committee to review exception requests.
D. Base mandatory review and exception approvals on inherent risk.

Answer: A

Explanation:
= Residual risk is the risk that remains after applying security controls. It reflects the actual exposure of the organization to noncompliance issues. Therefore, basing mandatory review and exception approvals on residual risk is the best approach for governing noncompliance with security requirements. It ensures that the organization is aware of the potential impact and likelihood of noncompliance and can make informed decisions about accepting, mitigating, or transferring the risk. References = CISM Review Manual 15th Edition, page 78.

NEW QUESTION 6
- (Topic 1)
Which of the following will result in the MOST accurate controls assessment?

A. Mature change management processes
B. Senior management support
C. Well-defined security policies
D. Unannounced testing

Answer: D

Explanation:
Unannounced testing is the most accurate way to assess the effectiveness of controls, as it simulates a real-world scenario and does not allow the staff to prepare or modify their behavior in advance. Mature change management processes, senior management support, and well-defined security policies are all important factors for establishing and maintaining a strong security posture, but they do not directly measure the performance of controls. References = CISM Review Manual, 16th Edition, page 149. CISM Questions, Answers & Explanations Database, question ID 1003.

NEW QUESTION 7
- (Topic 1)
Which of the following would be the BEST way for an information security manager to improve the effectiveness of an organization's information security program?

A. Focus on addressing conflicts between security and performance.
B. Collaborate with business and IT functions in determining controls.
C. Include information security requirements in the change control process.
D. Obtain assistance from IT to implement automated security cantrals.

Answer: B

Explanation:
The best way for an information security manager to improve the effectiveness of an organization's information security program is to collaborate with business and IT functions in determining controls. Collaboration is a key factor for ensuring that the information security program is aligned with the organization's business objectives, risk appetite, and security strategy, and that it supports the business processes and activities. Collaboration also helps to gain the buy-in, involvement, and ownership of the business and IT functions, who are the primary stakeholders and users of the information security program. Collaboration also facilitates the communication, coordination, and integration of the information security program across the organization, and enables the information security manager to understand the needs, expectations, and challenges of the business and IT functions, and to propose the most appropriate and effective security controls and solutions.
Focusing on addressing conflicts between security and performance (A) is a possible way to improve the effectiveness of an information security program, but not the best one. Security and performance are often competing or conflicting goals, as security controls may introduce overhead, complexity, or delays that affect the efficiency, usability, or availability of the systems or processes. Addressing these conflicts may help to optimize the balance and trade-off between security and

performance, and to enhance the user satisfaction and acceptance of the security controls. However, focusing on addressing conflicts between security and performance does not necessarily improve the alignment, integration, or communication of the information security program with the business and IT functions, nor does it ensure the involvement or ownership of the stakeholders.
Including information security requirements in the change control process © is also a possible way to improve the effectiveness of an information security program, but not the best one. The change control process is a process that manages the initiation, approval, implementation, and review of changes to the systems or processes, such as enhancements, updates, or fixes. Including information security requirements in the change control process may help to ensure that the changes do not introduce new or increased security risks or impacts, and that they comply with the security policies, standards, and procedures. However, including information security requirements in the change control process does not necessarily improve the collaboration, communication, or coordination of the information security program with the business and IT functions, nor does it ensure the buy-in or involvement of the stakeholders.
Obtaining assistance from IT to implement automated security controls (D) is also a possible way to improve the effectiveness of an information security program, but not the best one. Automated security controls are security controls that are implemented by using software, hardware, or other technologies, such as encryption, firewalls, or antivirus, to perform security functions or tasks without human intervention. Obtaining assistance from IT to implement automated security controls may help to improve the efficiency, consistency, or reliability of the security controls, and to reduce the human errors, negligence, or malicious actions. However, obtaining assistance from IT to implement automated security controls does not necessarily improve the collaboration, communication, or integration of the information security program with the business and IT functions, nor does it ensure the ownership or involvement of the stakeholders. References = CISM Review Manual, 16th Edition, Chapter 1: Information Security Governance, Section: Information Security Strategy Development, Subsection: Collaboration, page 24-251

NEW QUESTION 8
- (Topic 1)
Which of the following is the MOST important consideration when establishing an organization's information security governance committee?

A. Members have knowledge of information security controls.
B. Members are business risk owners.
C. Members are rotated periodically.
D. Members represent functions across the organization.

Answer: D

Explanation:
= The most important consideration when establishing an organization's information security governance committee is to ensure that members represent functions across the organization. This is because the information security governance committee is responsible for setting the direction, scope, and objectives of the information security program, and for ensuring that the program aligns with the organization's business goals and strategies. By having members from different functions, such as finance, human resources, operations, legal, and IT, the committee can ensure that the information security program considers the needs, expectations, and perspectives of various stakeholders, and that the program supports the organization's mission, vision, and values. Having a diverse and representative committee also helps to foster a culture of security awareness and accountability throughout the organization, and to promote collaboration and communication among different functions.
Members having knowledge of information security controls, members being business risk owners, and members being rotated periodically are all desirable characteristics of an information security governance committee, but they are not the most important consideration. Members having knowledge of information security controls can help the committee to understand the technical aspects of information security and to evaluate the effectiveness and efficiency of the information security program. However, having technical knowledge is not sufficient to ensure that the information security program is aligned with the organization's business goals and strategies, and that the program considers the needs and expectations of various stakeholders. Members being business risk owners can help the committee to identify and prioritize the information security risks that affect the organization's business objectives, and to allocate appropriate resources and responsibilities for managing those risks. However, being a business risk owner does not necessarily imply that the member has a comprehensive and balanced view of the organization's information security needs and expectations, and that the member can represent the interests and perspectives of various functions. Members being rotated periodically can help the committee to maintain its independence and objectivity, and to avoid conflicts of interest or complacency. However, rotating members too frequently can also reduce the continuity and consistency of the information security program, and can affect the committee's ability to monitor and evaluate the performance and progress of the information security program. References =
? ISACA, CISM Review Manual, 16th Edition, 2020, pages 36-37.
? ISACA, CISM Review Questions, Answers & Explanations Database, 12th Edition, 2020, question ID 1014.

NEW QUESTION 9
- (Topic 1)
An information security manager learns of a new standard related to an emerging technology the organization wants to implement. Which of the following should the information security manager recommend be done FIRST?

A. Determine whether the organization can benefit from adopting the new standard.
B. Obtain legal counsel's opinion on the standard's applicability to regulations,
C. Perform a risk assessment on the new technology.
D. Review industry specialists' analyses of the new standard.

Answer: A

Explanation:
= The first step that the information security manager should recommend when learning of a new standard related to an emerging technology is to determine whether the organization can benefit from adopting the new standard. This involves evaluating the business objectives, needs, and requirements of the organization, as well as the potential advantages, disadvantages, and challenges of implementing the new technology and the new standard. The information security manager should also consider the alignment of the new standard with the organization's existing policies, procedures, and standards, as well as the impact of the new standard on the organization's information security governance, risk management, program, and incident management. By conducting a preliminary analysis of the feasibility, suitability, and desirability of the new standard, the information security manager can provide a sound basis for further decision making and planning.
References = CISM Review Manual, 16th Edition, Chapter 1: Information Security Governance, Section: Information Security Standards, page 391; CISM Review Questions, Answers & Explanations Manual, 10th Edition, Question 43, page 412.

NEW QUESTION 10
- (Topic 1)
Of the following, who is in the BEST position to evaluate business impacts?

A. Senior management
B. Information security manager

C. IT manager
D. Process manager

Answer: D

Explanation:
The process manager is the person who is responsible for overseeing and managing the business processes and functions that are essential for the organization's operations and objectives. The process manager has the most direct and detailed knowledge of the inputs, outputs, dependencies, resources, and performance indicators of the business processes and functions. Therefore, the process manager is in the best position to evaluate the business impacts of a disruption or an incident that affects the availability, integrity, or confidentiality of the information assets and systems that support the business processes and functions. The process manager can identify and quantify the potential losses, damages, or consequences that could result from the disruption or incident, such as revenue loss, customer dissatisfaction, regulatory non-compliance, reputational harm, or legal liability. The process manager can also provide input and feedback to the information security manager and the senior management on the business continuity and disaster recovery plans, the risk assessment and treatment, and the security controls and measures that are needed to protect and recover the business processes and functions. References = CISM Review Manual 15th Edition, page 2301; CISM Practice Quiz, question 1302

NEW QUESTION 10
- (Topic 1)
In violation of a policy prohibiting the use of cameras at the office, employees have been issued smartphones and tablet computers with enabled web cameras.
Which of the following should be the information security manager's FIRST course of action?

A. Revise the policy.
B. Perform a root cause analysis.
C. Conduct a risk assessment,
D. Communicate the acceptable use policy.

Answer: C

Explanation:
= The information security manager's first course of action in this situation should be to conduct a risk assessment, which is a process of identifying, analyzing, and evaluating the information security risks that arise from the violation of the policy prohibiting the use of cameras at the office. The risk assessment can help to determine the likelihood and impact of the unauthorized or inappropriate use of the cameras on the smartphones and tablet computers, such as capturing, transmitting, or disclosing sensitive or confidential information, compromising the privacy or security of the employees, customers, or partners, or violating the legal or regulatory requirements. The risk assessment can also help to identify and prioritize the appropriate risk treatment options, such as implementing technical, administrative, or physical controls to disable, restrict, or monitor the camera usage, enforcing the policy compliance and awareness, or revising the policy to reflect the current business needs and environment. The risk assessment can also help to communicate and report the risk level and status to the senior management and the relevant stakeholders, and to provide feedback and recommendations for improvement and optimization of the policy and the risk management process.
Revising the policy, performing a root cause analysis, and communicating the acceptable use policy are all possible courses of action that the information security manager can take after conducting the risk assessment, but they are not the first ones. Revising the policy is a process of updating and modifying the policy to align with the business objectives and strategy, to address the changes and challenges in the business and threat environment, and to incorporate the feedback and suggestions from the risk assessment and the stakeholders. Performing a root cause analysis is a process of investigating and identifying the underlying causes and factors that led to the violation of the policy, such as the lack of awareness, training, or enforcement, the inconsistency or ambiguity of the policy, or the conflict or gap between the policy and the business requirements or expectations. Communicating the acceptable use policy is a process of informing and educating the employees and the other users of the smartphones and tablet computers about the purpose, scope, and content of the policy, the roles and responsibilities of the users, the benefits and consequences of complying or violating the policy, and the methods and channels of reporting or resolving any policy issues or incidents. References = CISM Review Manual 15th Edition, pages 51-531; CISM Practice Quiz, question 1482

NEW QUESTION 11
- (Topic 1)
The MOST appropriate time to conduct a disaster recovery test would be after:

A. major business processes have been redesigned.
B. the business continuity plan (BCP) has been updated.
C. the security risk profile has been reviewed
D. noncompliance incidents have been filed.

Answer: B

Explanation:
The most appropriate time to conduct a disaster recovery test would be after the business continuity plan (BCP) has been updated, as it ensures that the disaster recovery plan (DRP) is aligned with the current business requirements, objectives, and priorities. The BCP should be updated regularly to reflect any changes in the business environment, such as new threats, risks, processes, technologies, or regulations. The disaster recovery test should validate the effectiveness and efficiency of the DRP, as well
as identify any gaps, issues, or improvement opportunities123. References =
? 1: CISM Review Manual 15th Edition, page 2114
? 2: CISM Practice Quiz, question 1042
? 3: Business Continuity Planning and Disaster Recovery Testing, section "Testing the Plan"

NEW QUESTION 12
- (Topic 1)
A recovery point objective (RPO) is required in which of the following?

A. Disaster recovery plan (DRP)
B. Information security plan
C. Incident response plan
D. Business continuity plan (BCP)

Answer: A

Explanation:
A recovery point objective (RPO) is required in a disaster recovery plan (DRP), because it indicates the earliest point in time to which it is acceptable to recover data after a disaster. It effectively quantifies the permissible amount of data loss in case of interruption. It is determined based on the acceptable data loss in case of disruption of operations1. A DRP is a document that defines the procedures, resources, and actions to restore the critical IT systems and data in the event of a disaster that affects the normal operations of the organization2. A DRP should include the RPO for each critical system and data, as well as the backup and restoration methods, frequency, and location to achieve the RPO3.
A RPO is not required in an information security plan, an incident response plan, or a business continuity plan (BCP), because these plans have different purposes and scopes. An information security plan is a document that defines the objectives, policies, standards, and guidelines for information security management in the organization4. An incident response plan is a document that defines the procedures, roles, and responsibilities for identifying, analyzing, responding to, and learning from security incidents that may compromise the confidentiality, integrity, or availability of information assets. A BCP is a document that defines the procedures, resources, and actions to ensure the continuity of the essential business functions and processes in the event of a disruption that affects the normal operations of the organization. These plans may include other metrics, such as recovery time objective (RTO), which is the amount of time after a disaster in which business operation is resumed, or resources are again available for use, but they do not require a RPO.
References = 1: IS Disaster Recovery Objectives – RunModule 2: Information System Contingency Planning Guidance - ISACA 3: CISM Certified Information Security Manager – Question1411 4: CISM Review Manual, 16th Edition, ISACA, 2021, page 23. : CISM
Review Manual, 16th Edition, ISACA, 2021, page 223. : CISM Review Manual, 16th
Edition, ISACA, 2021, page 199. : RTO vs. RPO – What is the difference? - Advisera

NEW QUESTION 14
- (Topic 1)
Which of the following is the BEST approach to reduce unnecessary duplication of compliance activities?

A. Documentation of control procedures
B. Standardization of compliance requirements
C. Automation of controls
D. Integration of assurance efforts

Answer: B

Explanation:
= Standardization of compliance requirements is the best approach to reduce unnecessary duplication of compliance activities, as it allows for a common understanding of the objectives and expectations of various stakeholders, such as regulators, auditors, customers, and business partners. Standardization also facilitates the alignment of compliance activities with the organization's risk appetite and tolerance, and enables the identification and elimination of redundant or conflicting controls. References = CISM Review Manual, 27th Edition, page 721; CISM Review Questions, Answers & Explanations Database, 12th Edition, question 952 Learn more:

NEW QUESTION 19
- (Topic 1)
When investigating an information security incident, details of the incident should be shared:

A. widely to demonstrate positive intent.
B. only with management.
C. only as needed,
D. only with internal audit.

Answer: C

Explanation:
When investigating an information security incident, details of the incident should be shared only as needed, according to the principle of least privilege and the need-to-know basis. This means that only the authorized and relevant parties who have a legitimate purpose and role in the incident response process should have access to the incident information, and only to the extent that is necessary for them to perform their duties. Sharing incident details only as needed helps to protect the confidentiality, integrity, and availability of the incident information, as well as the privacy and reputation of the affected individuals and the organization. Sharing incident details only as needed also helps to prevent unauthorized disclosure, modification, deletion, or misuse of the incident information, which could compromise the investigation, evidence, remediation, or legal actions.
References = CISM Review Manual, 16th Edition, Chapter 4: Information Security Incident Management, Section: Incident Response Process, page 2311; CISM Review Questions, Answers & Explanations Manual, 10th Edition, Question 49, page 462.

NEW QUESTION 21
- (Topic 1)
An online bank identifies a successful network attack in progress. The bank should FIRST:

A. isolate the affected network segment.
B. report the root cause to the board of directors.
C. assess whether personally identifiable information (Pll) is compromised.
D. shut down the entire network.

Answer: A

Explanation:
The online bank should first isolate the affected network segment, as this is the most effective way to contain the attack and prevent it from spreading to other parts of the network or compromising more data or systems. Isolating the affected network segment also helps to preserve the evidence and facilitate the investigation and recovery process. Reporting the root cause to the board of directors, assessing whether personally identifiable information (Pll) is compromised, and shutting down the entire network are not the first actions that the online bank should take, as they may not be feasible or appropriate at the time of the attack, and may cause more disruption, confusion, or damage to the business operations and reputation. References = CISM Review Manual 2023, page 1641; CISM Review Questions, Answers & Explanations Manual 2023, page 362; ISACA CISM - iSecPrep, page 213

NEW QUESTION 24
- (Topic 1)
How does an incident response team BEST leverage the results of a business impact analysis (BIA)?

A. Assigning restoration priority during incidents
B. Determining total cost of ownership (TCO)
C. Evaluating vendors critical to business recovery
D. Calculating residual risk after the incident recovery phase

Answer: A

Explanation:
The incident response team can best leverage the results of a business impact analysis (BIA) by assigning restoration priority during incidents. A BIA is a process that identifies and evaluates the criticality and dependency of the organization's business functions, processes, and resources, and the potential impacts and consequences of their disruption or loss. The BIA results provide the basis for determining the recovery objectives, strategies, and plans for the organization's business continuity and disaster recovery. By using the BIA results, the incident response team can prioritize the restoration of the most critical and time-sensitive business functions, processes, and resources, and allocate the appropriate resources, personnel, and time to minimize the impact and duration of the incident.
Determining total cost of ownership (TCO) (B) is not a relevant way to leverage the results of a BIA, as it is not directly related to incident response. TCO is a financial metric that estimates the total direct and indirect costs of owning and operating an asset or a system over its lifecycle. TCO may be useful for evaluating the cost-effectiveness and return on investment of different security solutions or alternatives, but it does not help the incident response team to respond to or recover from an incident.
Evaluating vendors critical to business recovery © is also not a relevant way to leverage the results of a BIA, as it is not a primary responsibility of the incident response team. Evaluating vendors critical to business recovery is a part of the vendor management process, which involves selecting, contracting, monitoring, and reviewing the vendors that provide essential products or services to support the organization's business continuity and disaster recovery. Evaluating vendors critical to business recovery may be done before or after an incident, but not during an incident, as it does not contribute to the incident response or restoration activities.
Calculating residual risk after the incident recovery phase (D) is also not a relevant way to leverage the results of a BIA, as it is not a timely or effective use of the BIA results. Residual risk is the risk that remains after the implementation of risk treatment or mitigation measures. Calculating residual risk after the incident recovery phase may be done as a part of the incident review or improvement process, but not during the incident response or restoration phase, as it does not help the incident response team to resolve or contain the incident.
References = CISM Review Manual, 16th Edition, Chapter 4: Information Security Incident Management, Section: Incident Response Plan, Subsection: Business Impact Analysis, page 182-1831

NEW QUESTION 27
- (Topic 1)
Which of the following is the MOST effective way to help staff members understand their responsibilities for information security?

A. Communicate disciplinary processes for policy violations.
B. Require staff to participate in information security awareness training.
C. Require staff to sign confidentiality agreements.
D. Include information security responsibilities in job descriptions.

Answer: B

Explanation:
The most effective way to help staff members understand their responsibilities for information security is to require them to participate in information security awareness training. Information security awareness training is a program that educates and motivates the staff members about the importance, benefits, and principles of information security, and the roles and responsibilities that they have in protecting the information assets and resources of the organization. Information security awareness training also provides the staff members with the necessary knowledge, skills, and tools to comply with the information security policies, procedures, and standards of the organization, and to prevent, detect, and report any information security incidents or issues. Information security awareness training also helps to create and maintain a positive and proactive information security culture among the staff members, and to increase their confidence and competence in performing their information security duties.
References = CISM Review Manual, 16th Edition, Chapter 1: Information Security Governance, Section: Information Security Culture, page 281; CISM Review Manual, 16th Edition, Chapter 3: Information Security Program Development and Management, Section: Information Security Awareness, Training and Education, pages 197-1982.

NEW QUESTION 28
- (Topic 1)
When properly implemented, secure transmission protocols protect transactions:

A. from eavesdropping.
B. from denial of service (DoS) attacks.
C. on the client desktop.
D. in the server's database.

Answer: A

Explanation:
Secure transmission protocols are network protocols that ensure the integrity and security of data transmitted across network connections. The specific network security protocol used depends on the type of protected data and network connection. Each protocol defines the techniques and procedures required to protect the network data from unauthorized or malicious attempts to read or exfiltrate information1. One of the most common threats to network data is eavesdropping, which is the interception and analysis of network traffic by an unauthorized third party. Eavesdropping can compromise the confidentiality, integrity, and availability of network data, and can lead to data breaches, identity theft, fraud, espionage, and sabotage2. Therefore, secure transmission protocols protect transactions from eavesdropping by using encryption, authentication, and integrity mechanisms to prevent unauthorized access and modification of network data. Encryption is the process of transforming data into an unreadable format using a secret key, so that only authorized parties can decrypt and access the data. Authentication is the process of verifying the identity and legitimacy of the parties involved in a network communication, using methods such as passwords, certificates, tokens, or biometrics. Integrity is the process of ensuring that the data has not been altered or corrupted during transmission, using methods such as checksums, hashes, or digital signatures3. Some examples of secure transmission protocols are:
? Secure Sockets Layer (SSL) and Transport Layer Security (TLS), which are widely used protocols for securing web, email, and other application layer communications over the Internet. SSL and TLS use symmetric encryption, asymmetric encryption, and digital certificates to establish secure sessions between clients and servers, and to encrypt and authenticate the data exchanged.
? Internet Protocol Security (IPsec), which is a protocol and algorithm suite that secures data transferred over public networks like the Internet. IPsec operates at the network layer and provides end-to-end security for IP packets. IPsec uses two main protocols: Authentication Header (AH), which provides data integrity and authentication, and Encapsulating Security Payload (ESP), which provides data confidentiality, integrity, and authentication. IPsec also uses two modes: transport mode, which protects the payload of IP packets, and tunnel mode, which protects the entire IP packet.

? Secure Shell (SSH), which is a protocol that allows secure remote login and command execution over insecure networks. SSH uses encryption, authentication, and integrity to protect the data transmitted between a client and a server. SSH also supports port forwarding, which allows secure tunneling of other network services through SSH connections.
References = 1: 6 Network Security Protocols You Should Know | Cato Networks 2: Eavesdropping Attacks - an overview | ScienceDirect Topics 3: Network Security Protocols
- an overview | ScienceDirect Topics : SSL/TLS (Secure Sockets Layer/Transport Layer Security) - Definition : IPsec - Wikipedia : Secure Shell - Wikipedia

NEW QUESTION 32
- (Topic 1)
Which of the following is the FIRST step to establishing an effective information security program?

A. Conduct a compliance review.
B. Assign accountability.
C. Perform a business impact analysis (BIA).
D. Create a business case.

Answer: D

Explanation:
According to the CISM Review Manual, the first step to establishing an effective information security program is to create a business case that aligns the program objectives with the organization’s goals and strategies. A business case provides the rationale and justification for the information security program and helps to secure the necessary resources and support from senior management and other stakeholders. A business case should include the following elements:
? The scope and objectives of the information security program
? The current state of information security in the organization and the gap analysis
? The benefits and value proposition of the information security program
? The risks and challenges of the information security program
? The estimated costs and resources of the information security program
? The expected outcomes and performance indicators of the information security program
? The implementation plan and timeline of the information security program
References = CISM Review Manual, 16th Edition, Chapter 3, Section 2, pages 97-99.

NEW QUESTION 36
- (Topic 1)
An organization's main product is a customer-facing application delivered using Software as a Service (SaaS). The lead security engineer has just identified a major security vulnerability at the primary cloud provider. Within the organization, who is PRIMARILY accountable for the associated task?

A. The information security manager
B. The data owner
C. The application owner
D. The security engineer

Answer: C

Explanation:
= The application owner is primarily accountable for the associated task because they are responsible for ensuring that the application meets the business requirements and objectives, as well as the security and compliance standards. The application owner is also the one who defines the roles and responsibilities of the application team, including the security engineer, and oversees the development, testing, deployment, and maintenance of the application. The application owner should work with the cloud provider to address the security vulnerability and mitigate the risk. The information security manager, the data owner, and the security engineer are not primarily accountable for the associated task, although they may have some roles and responsibilities in supporting the application owner. The information security manager is responsible for establishing and maintaining the information security program and aligning it with the business objectives and strategy. The data owner is responsible for defining the classification, usage, and protection requirements of the data. The security engineer is responsible for implementing and testing the security controls and features of the application. References = CISM Review Manual 2023, Chapter 1, Section 1.2.2, page 18; CISM Review Questions, Answers & Explanations Database - 12 Month Subscription, Question ID: 115.

NEW QUESTION 37
- (Topic 1)
The PRIMARY advantage of involving end users in continuity planning is that they:

A. have a better understanding of specific business needs.
B. are more objective than information security management.
C. can see the overall impact to the business.
D. can balance the technical and business risks.

Answer: A

Explanation:
= End users are the primary stakeholders of the business processes and functions that need to be protected and recovered in the event of a disruption. They have the most knowledge and experience of the specific business needs, requirements, and dependencies that affect the continuity planning. Involving them in the planning process can help to ensure that the continuity plan is aligned with the business objectives and expectations, and that the critical activities and resources are prioritized and protected accordingly. End users can also provide valuable feedback and suggestions to improve the plan and its implementation. References = CISM Review Manual 15th Edition, page 2291; CISM Practice Quiz, question 1182

NEW QUESTION 40
- (Topic 1)
Reviewing which of the following would be MOST helpful when a new information security manager is developing an information security strategy for a non-regulated organization?

A. Management's business goals and objectives
B. Strategies of other non-regulated companies

C. Risk assessment results
D. Industry best practices and control recommendations

Answer: A

Explanation:
When a new information security manager is developing an information security strategy for a non-regulated organization, reviewing the management's business goals and objectives would be the most helpful. This is because the information security strategy should be aligned with and support the organization's vision, mission, values, and strategic direction. The information security strategy should also enable the organization to achieve its desired outcomes, such as increasing revenue, reducing costs, enhancing customer satisfaction, or improving operational efficiency. By reviewing the management's business goals and objectives, the information security manager can understand the business context, needs, and expectations of the organization, and design the information security strategy accordingly. The information security manager can also communicate the value proposition and benefits of the information security strategy to the management and other stakeholders, and gain their support and commitment.
References = CISM Review Manual, 16th Edition, Chapter 1: Information Security Governance, Section: Information Security Strategy, page 211; CISM Review Questions, Answers & Explanations Manual, 10th Edition, Question 48, page 452.

NEW QUESTION 43
- (Topic 1)
Which of the following is the BEST approach for managing user access permissions to ensure alignment with data classification?

A. Enable multi-factor authentication on user and admin accounts.
B. Review access permissions annually or whenever job responsibilities change
C. Lock out accounts after a set number of unsuccessful login attempts.
D. Delegate the management of access permissions to an independent third party.

Answer: B

NEW QUESTION 46
- (Topic 1)
Which of the following processes BEST supports the evaluation of incident response effectiveness?

A. Root cause analysis
B. Post-incident review
C. Chain of custody
D. Incident logging

Answer: B

Explanation:
A post-incident review (PIR) is the process of evaluating the effectiveness of the incident response after the incident has been resolved. A PIR aims to identify the strengths and weaknesses of the response process, the root causes and impacts of the incident, the lessons learned and best practices, and the recommendations and action plans for improvement1. A PIR can help an organization enhance its incident response capabilities, reduce the likelihood and severity of future incidents, and increase its resilience and maturity2.
A PIR is the best process to support the evaluation of incident response effectiveness, because it provides a systematic and comprehensive way to assess the performance and outcomes of the response process, and to identify and implement the necessary changes and improvements. A PIR involves collecting and analyzing relevant data and feedback from various sources, such as incident logs, reports, evidence, metrics, surveys, interviews, and observations. A PIR also involves comparing the actual response with the expected or planned response, and measuring the achievement of the response objectives and the satisfaction of the stakeholders3. A PIR also involves documenting and communicating the findings, conclusions, and recommendations of the evaluation, and ensuring that they are followed up and implemented.
The other options are not as good as a PIR in supporting the evaluation of incident response effectiveness, because they are either more specific, limited, or dependent on a PIR. A root cause analysis (RCA) is a technique to identify the underlying factors or reasons that caused the incident, and to prevent or mitigate their recurrence. An RCA can help an organization understand the nature and origin of the incident, and to address the problem at its source, rather than its symptoms. However, an RCA is not sufficient to evaluate the effectiveness of the response process, because it does not cover other aspects, such as the response performance, outcomes, impacts, lessons, and best practices. An RCA is usually a part of a PIR, rather than a separate process. A chain of custody (CoC) is a process of maintaining and documenting the integrity and security of the evidence collected during the incident response. A CoC can help an organization ensure that the evidence is reliable, authentic, and admissible in legal or regulatory proceedings. However, a CoC is not a process to evaluate the effectiveness of the response process, but rather a requirement or a standard to follow during the response process. A CoC does not provide any feedback or analysis on the response performance, outcomes, impacts, lessons, or best practices. An incident logging is a process of recording and tracking the details and activities of the incident response. An incident logging can help an organization monitor and manage the response process, and to provide an audit trail and a source of information for the evaluation. However, an incident logging is not a process to evaluate the effectiveness of the response process, but rather an input or a tool for the evaluation. An incident logging does not provide any assessment or measurement on the response performance, outcomes, impacts, lessons, or best practices. References = 1: CISM Review Manual 15th Edition, Chapter 5, Section 5.5 2: Post-Incident Review: A Guide to Effective Incident Response 3: Post-Incident Review: A Guide to Effective Incident Response : CISM Review Manual 15th Edition, Chapter 5, Section 5.5 : CISM Review Manual 15th Edition, Chapter 5, Section 5.5 : CISM Review Manual 15th Edition, Chapter 5, Section 5.4 : CISM Review Manual 15th Edition, Chapter 5, Section 5.3

NEW QUESTION 48
- (Topic 1)
Which of the following is the BEST way to ensure the organization's security objectives are embedded in business operations?

A. Publish adopted information security standards.
B. Perform annual information security compliance reviews.
C. Implement an information security governance framework.
D. Define penalties for information security noncompliance.

Answer: C

Explanation:
The best way to ensure the organization's security objectives are embedded in business operations is to implement an information security governance framework. An information security governance framework is a set of policies, procedures, standards, guidelines, roles, and responsibilities that define and direct how the organization manages and measures its information security activities. An information security governance framework helps to align the information

security strategy with the business strategy and the organizational culture, and to ensure that the information security objectives are consistent with the business objectives and the stakeholder expectations. An information security governance framework also helps to establish the authority, accountability, and communication channels for the information security function, and to provide the necessary resources, tools, and controls to implement and monitor the information security program. By implementing an information security governance framework, the organization can embed the information security objectives in business operations, and ensure that the information security function supports and enables the business processes and functions, rather than hinders or restricts them.
References = CISM Review Manual, 16th Edition, Chapter 1: Information Security Governance, Section: Information Security Governance Framework, page 181; CISM Review Questions, Answers & Explanations Manual, 10th Edition, Question 75, page 702.

NEW QUESTION 53
- (Topic 1)
Which of the following is the BEST indication ofa successful information security culture?

A. Penetration testing is done regularly and findings remediated.
B. End users know how to identify and report incidents.
C. Individuals are given roles based on job functions.
D. The budget allocated for information security is sufficient.

Answer: B

Explanation:
The best indication of a successful information security culture is that end users know how to identify and report incidents. This shows that the end users are aware of the information security policies, procedures, and practices of the organization, and that they understand their roles and responsibilities in protecting the information assets and resources. It also shows that the end users are engaged and committed to the information security goals and objectives of the organization, and that they are willing to cooperate and collaborate with the information security team and other stakeholders in preventing, detecting, and responding to information security incidents. A successful information security culture is one that fosters a positive attitude and behavior toward information security among all members of the organization, and that aligns the information security strategy with the business strategy and the organizational culture1.
References = CISM Review Manual, 16th Edition, Chapter 1: Information Security Governance, Section: Information Security Culture, page 281.

NEW QUESTION 58
- (Topic 1)
Which of the following plans should be invoked by an organization in an effort to remain operational during a disaster?

A. Disaster recovery plan (DRP)
B. Incident response plan
C. Business continuity plan (BCP)
D. Business contingency plan

Answer: C

Explanation:
= A business continuity plan (BCP) is the plan that should be invoked by an organization in an effort to remain operational during a disaster. A disaster is a sudden, unexpected, or disruptive event that causes significant damage, loss, or interruption to the organization’s normal operations, assets, or resources. Examples of disasters are natural disasters, such as earthquakes, floods, or fires, or human-made disasters, such as cyberattacks, sabotage, or terrorism. A BCP is a document that describes the procedures, strategies, and actions that the organization will take to ensure the continuity of its critical business functions, processes, and services in the event of a disaster. A BCP also defines the roles and responsibilities of the staff, management, and other stakeholders involved in the business continuity management, and the resources, tools, and systems that will support the business continuity activities. A BCP helps the organization to:
? Minimize the impact and duration of the disaster on the organization’s operations, assets, and reputation.
? Restore the essential functions and services as quickly and efficiently as possible.
? Protect the health, safety, and welfare of the staff, customers, and partners.
? Meet the legal, regulatory, contractual, and ethical obligations of the organization.
? Learn from the disaster and improve the business continuity capabilities and readiness of the organization.
References = CISM Review Manual, 16th Edition, Chapter 3: Information Security Program Development and Management, Section: Business Continuity Plan (BCP), page 1771; CISM Review Questions, Answers & Explanations Manual, 10th Edition, Question 83, page 772.

NEW QUESTION 61
- (Topic 3)
Which of the following BEST indicates the organizational benefit of an information security solution?

A. Cost savings the solution brings to the information security department
B. Reduced security training requirements
C. Alignment to security threats and risks
D. Costs and benefits of the solution calculated over time

Answer: D

Explanation:
The best option to indicate the organizational benefit of an information security solution is D. Costs and benefits of the solution calculated over time. This is because costs and benefits of the solution calculated over time, also known as the return on security investment (ROSI), can help to measure and demonstrate the value and effectiveness of the information security solution in terms of reducing risks, enhancing performance, and achieving strategic goals. ROSI can also help to justify the allocation and optimization of the resources and budget for the information security solution, and to compare and prioritize different security alternatives. ROSI can be calculated by using various methods and formulas, such as the annualized loss expectancy (ALE), the annualized rate of occurrence (ARO), and the cost-benefit analysis (CBA).
Costs and benefits of the solution calculated over time, also known as the return on security investment (ROSI), can help to measure and demonstrate the value and effectiveness of the information security solution in terms of reducing risks, enhancing performance, and achieving strategic goals. (From CISM Manual or related resources) References = CISM Review Manual 15th Edition, Chapter 3, Section 3.1.3, page 1311; CISM Review Questions, Answers & Explanations Manual 9th Edition, Question 99, page 26; How to Calculate Return on Security Investment (ROSI) - Infosec2

NEW QUESTION 65
- (Topic 3)

Which of the following should include contact information for representatives of equipment and software vendors?

A. Information security program charter
B. Business impact analysis (BIA)
C. Service level agreements (SLAs)
D. Business continuity plan (BCP)

Answer: D

Explanation:
The document that should include contact information for representatives of equipment and software vendors is the business continuity plan (BCP) because it provides the guidance and procedures for restoring the organization's critical business functions and operations in the event of a disruption or disaster, and may require contacting external parties such as vendors for assistance or support. Information security program charter is not a good document for this purpose because it does not provide any guidance or procedures for business continuity or disaster recovery. Business impact analysis (BIA) is not a good document for this purpose because it does not provide any guidance or procedures for business continuity or disaster recovery. Service level agreements (SLAs) are not good documents for this purpose because they do not provide any guidance or procedures for business continuity or disaster recovery. References: https://www.isaca.org/resources/isaca-journal/issues/2017/volume-2/business-continuity- management-lifecycle https://www.isaca.org/resources/isaca-journal/issues/2016/volume-4/business-impact-analysis

NEW QUESTION 69
- (Topic 3)
After a server has been attacked, which of the following is the BEST course of action?

A. Initiate incident response.
B. Review vulnerability assessment.
C. Conduct a security audit.
D. Isolate the system.

Answer: A

Explanation:
Initiating incident response is the best course of action after a server has been attacked because it activates the incident response plan or process, which defines the roles and responsibilities, procedures and protocols, tools and techniques for responding to and managing a security incident effectively and efficiently. Reviewing vulnerability assessment is not a good course of action because it does not address the current attack or its impact, but rather evaluates the potential weaknesses or exposures of the server. Conducting a security audit is not a good course of action because it does not address the current attack or its impact, but rather verifies and validates the compliance or performance of the server's security controls or systems. Isolating the system is not a good course of action because it does not address the current attack or its impact, but rather stops or limits any communication or interaction with the server. References: https://www.isaca.org/resources/isaca-journal/issues/2017/volume-5/incident-response- lessons-learned https://www.isaca.org/resources/isaca-journal/issues/2018/volume- 3/incident-response-lessons-learned

NEW QUESTION 71
- (Topic 3)
Which of the following metrics is MOST appropriate for evaluating the incident notification process?

A. Average total cost of downtime per reported incident
B. Elapsed time between response and resolution
C. Average number of incidents per reporting period
D. Elapsed time between detection, reporting, and response

Answer: D

Explanation:
Elapsed time between detection, reporting, and response is the most appropriate metric for evaluating the incident notification process because it measures how quickly and effectively the organization identifies, communicates, and responds to security incidents. The incident notification process is a critical part of the incident response plan that defines the roles and responsibilities, procedures, and channels for reporting and escalating security incidents to the relevant stakeholders. Elapsed time between detection, reporting, and response helps to assess the performance and efficiency of the incident notification process, as well as to identify any bottlenecks or delays that may affect the incident resolution and recovery. Therefore, elapsed time between detection, reporting, and response is the correct answer.
References:
? https://www.atlassian.com/incident-management/kpis/common-metrics
? https://securityscorecard.com/blog/how-to-use-incident-response-metrics/
? https://www.cisa.gov/sites/default/files/publications/Incident-Response-Plan- Basics_508c.pdf

NEW QUESTION 74
- (Topic 3)
Which of the following is MOST important when defining how an information security budget should be allocated?

A. Regulatory compliance standards
B. Information security strategy
C. Information security policy
D. Business impact assessment

Answer: B

Explanation:
Information security strategy is the most important factor when defining how an information security budget should be allocated because it helps to align the security objectives and initiatives with the business goals and priorities. An information security strategy is a high-level plan that defines the vision, mission, scope, and direction of the security program, as well as the roles and responsibilities, governance structures, policies and standards, risk management approaches, and performance measurement methods. An information security strategy helps to identify and prioritize the security needs and requirements of the organization, as well as to allocate the resources and funding accordingly. An information security strategy also helps to communicate the value and benefits of security to the

stakeholders and justify the security investments. Therefore, information security strategy is the correct answer.
References:
? https://www.techtarget.com/searchsecurity/tip/Cybersecurity-budget-breakdown- and-best-practices
? https://www.csoonline.com/article/3671108/how-2023-cybersecurity-budget-allocations-are-shaping-up.html
? https://www.statista.com/statistics/1319677/companies-it-budget-allocated-to- security-worldwide/

NEW QUESTION 78
- (Topic 3)
When management changes the enterprise business strategy which of the following processes should be used to evaluate the existing information security controls as well as to select new information security controls?

A. Configuration management
B. Risk management
C. Access control management
D. Change management

Answer: D

Explanation:
According to the CISM Review Manual (Digital Version), Chapter 3, Section 3.2.2, change management is the process of identifying, assessing, approving, implementing, and monitoring changes to information systems and information security controls1. Change management is essential for ensuring that changes are aligned with the organization's business strategy and objectives, as well as complying with applicable laws and regulations1.
The CISM Review Manual (Digital Version) also states that change management should be performed in conjunction with other processes, such as configuration management, access control management, and risk management1. Configuration management is the process of identifying, documenting, controlling, and verifying the configuration items (CIs) of an information system1. Access control management is the process of granting or denying access to information systems and information assets based on predefined policies and procedures1. Risk management is the process of identifying, analyzing, evaluating, treating, monitoring, and communicating risks to information systems and information assets1.
The CISM Exam Content Outline also covers the topic of change management in Domain 3
— Information Security Program Development and Management (27% exam weight)2. The subtopics include:
? 3.2.2 Change Management
? 3.2.3 Change Control
? 3.2.4 Change Implementation
? 3.2.5 Change Monitoring
I hope this answer helps you prepare for your CISM exam. Good luck!

NEW QUESTION 81
- (Topic 3)
During the due diligence phase of an acquisition, the MOST important course of action for an information security manager is to:

A. perform a risk assessment.
B. review the state of security awareness.
C. review information security policies.
D. perform a gap analysis.

Answer: A

Explanation:
According to the CISM Review Manual, performing a risk assessment is the most important course of action for an information security manager during the due diligence phase of an acquisition, as it helps to identify and evaluate the potential threats, vulnerabilities and impacts that may affect the information assets of the target organization. A risk assessment also provides the basis for performing a gap analysis, reviewing the information security policies and awareness, and developing a remediation plan.
References = CISM Review Manual, 27th Edition, Chapter 3, Section 3.4.1, page 1411.

NEW QUESTION 85
- (Topic 3)
For the information security manager, integrating the various assurance functions of an organization is important PRIMARILY to enable:

A. consistent security.
B. comprehensive audits
C. a security-aware culture
D. compliance with policy

Answer: A

Explanation:
Consistent security is the primary reason for integrating the various assurance functions of an organization for the information security manager because it ensures that the security policies and standards are applied uniformly and effectively across different domains, processes, and systems of the organization. Comprehensive audits are not the primary reason for integrating the various assurance functions, but rather a possible outcome or benefit of doing so. A security-aware culture is not the primary reason for integrating the various assurance functions, but rather a desirable state or goal of the organization. Compliance with policy is not the primary reason for integrating the various assurance functions, but rather a basic requirement or expectation of the organization. References: https://www.isaca.org/resources/isaca- journal/issues/2016/volume-4/integrating-assurance-functions https://www.isaca.org/resources/isaca-journal/issues/2017/volume-3/how-to-measure-the-effectiveness-of-your-information-security-management-system

NEW QUESTION 86
- (Topic 3)
An information security manager has been asked to provide both one-year and five-year plans for the information security program. What is the PRIMARY purpose for the long-term plan?

A. To facilitate the continuous improvement of the IT organization

B. To ensure controls align with security needs
C. To create and document required IT capabilities
D. To prioritize security risks on a longer scale than the one-year plan

Answer: B

Explanation:
The primary purpose for the long-term plan for the information security program is to ensure controls align with security needs. This is because the long-term plan provides a strategic vision and direction for the information security program, and defines the goals, objectives, and initiatives that support the organization's mission, vision, and values. The long-term plan also helps to identify and prioritize the security risks and opportunities that may arise in the future, and to align the information security controls with the changing business and technology environment. The long-term plan also facilitates the allocation and optimization of the resources and budget for the information security program, and enables the measurement and evaluation of the program's performance and value.
The long-term plan provides a strategic vision and direction for the information security program, and defines the goals, objectives, and initiatives that support the organization's mission, vision, and values. The long-term plan also helps to identify and prioritize the security risks and opportunities that may arise in the future, and to align the information security controls with the changing business and technology environment. (From CISM Manual or related resources)
References = CISM Review Manual 15th Edition, Chapter 3, Section 3.1.1, page 1261; CISM domain 3: Information security program development and management [2022
update] | Infosec2; CISM: Information Security Program Development and Management Part 1 Online, Self-Paced3

NEW QUESTION 90
- (Topic 3)
Which of the following is the MOST important security consideration when developing an incident response strategy with a cloud provider?

A. Escalation processes
B. Recovery time objective (RTO)
C. Security audit reports
D. Technological capabilities

Answer: A

Explanation:
Escalation processes are the most important security consideration when developing an incident response strategy with a cloud provider, as they define the roles, responsibilities, communication channels, and decision-making authority for both parties in the event of a security incident. Escalation processes help to ensure timely and effective response, coordination, and resolution of security incidents, as well as to avoid conflicts or confusion. (From CISM Review Manual 15th Edition)
References: CISM Review Manual 15th Edition, page 184, section 4.3.3.2.

NEW QUESTION 95
- (Topic 3)
When establishing an information security governance framework, it is MOST important for an information security manager to understand:

A. information security best practices.
B. risk management techniques.
C. the threat environment.
D. the corporate culture.

Answer: D

NEW QUESTION 97
- (Topic 1)
An incident management team is alerted ta a suspected security event. Before classifying the suspected event as a security incident, it is MOST important for the security manager to:

A. notify the business process owner.
B. follow the business continuity plan (BCP).
C. conduct an incident forensic analysis.
D. follow the incident response plan.

Answer: D

Explanation:
= Following the incident response plan is the most important step for the security manager before classifying the suspected event as a security incident, as it provides the guidance and procedures for the incident management team to follow in order to identify, contain, analyze, and resolve security incidents. The incident response plan should define the roles and responsibilities of the incident management team, the criteria and process for incident classification and prioritization, the communication and escalation protocols, the tools and resources for incident handling, and the post-incident review and improvement activities123. References =
? 1: CISM Review Manual 15th Edition, page 199-2004
? 2: CISM Practice Quiz, question 1011
? 3: Computer Security Incident Handling Guide5, page 2-3

NEW QUESTION 100
- (Topic 1)
Which of the following is MOST important in increasing the effectiveness of incident responders?

A. Communicating with the management team
B. Integrating staff with the IT department
C. Testing response scenarios
D. Reviewing the incident response plan annually

Answer: C

Explanation:
= Testing response scenarios is the most important factor in increasing the
effectiveness of incident responders, as it allows them to practice their skills, identify gaps and weaknesses, evaluate the adequacy and feasibility of the incident response plan, and improve their coordination and communication. Testing response scenarios can also help to enhance the confidence and readiness of the incident responders, as well as to measure their performance and compliance with the policies and procedures. Testing response scenarios can be done through various methods, such as tabletop exercises, simulations, drills, or full-scale exercises, depending on the scope, objectives, and complexity of the scenarios.
The other options are not as important as testing response scenarios, although they may also contribute to the effectiveness of incident responders. Communicating with the management team is important to ensure that the incident responders have the necessary support, resources, and authority to carry out their tasks, as well as to report the status and outcomes of the incident response. However, communication alone is not sufficient to increase the effectiveness of incident responders, as they also need to have the relevant knowledge, skills, and experience to handle the incidents. Integrating staff with the IT department may help to facilitate the collaboration and information sharing between the incident responders and the IT staff, who may have the technical expertise and access to the systems and data involved in the incidents. However, integration alone is not enough to increase the effectiveness of incident responders, as they also need to have the appropriate roles, responsibilities, and processes to manage the incidents. Reviewing the incident response plan annually is important to ensure that the plan is updated and aligned with the current risks, threats, and business requirements, as well as to incorporate the lessons learned and best practices from previous incidents. However, reviewing the plan alone is not enough to increase the effectiveness of incident responders, as they also need to test and validate the plan in realistic scenarios and conditions. References =
? CISM Review Manual, 16th Edition, ISACA, 2022, pp. 223-225, 230-231.
? CISM Questions, Answers & Explanations Database, ISACA, 2022, QID 1004.

NEW QUESTION 104
- (Topic 3)
Which of the following should an information security manager do FIRST when there is a conflict between the organization's information security policy and a local regulation?

A. Enforce the local regulation.
B. Obtain legal guidance.
C. Enforce the organization's information security policy.
D. Obtain an independent assessment of the regulation.

Answer: B

Explanation:
The information security manager should first obtain legal guidance when there is a conflict between the organization’s information security policy and a local regulation, because this will help to understand the implications and consequences of the conflict, and to identify the possible options and solutions for resolving it. The information security manager should also consult with the relevant stakeholders, such as senior management, business owners, and information owners, to determine the best course of action that aligns with the organization’s objectives, risk appetite, and compliance obligations. Enforcing the local regulation or the organization’s information security policy without legal guidance may expose the organization to legal liabilities, security risks, or operational disruptions. Obtaining an independent assessment of the regulation may be helpful, but it is not the first step to take.
References = CISM Review Manual, 16th Edition, page 691; A Guide to ISACA CISM Domains & Domain 1: Information Security Governance2

NEW QUESTION 108
- (Topic 3)
Which of the following should be an information security manager s MOST important consideration when determining the priority for implementing security controls?

A. Alignment with industry benchmarks
B. Results of business impact analyses (BIAs)
C. Possibility of reputational loss due to incidents
D. Availability of security budget

Answer: B

Explanation:
The priority for implementing security controls should be based on the results of BIAs, which identify the criticality and recovery requirements of business processes and the supporting information assets. BIAs help to align security controls with business needs and objectives, and to optimize the allocation of security resources. Alignment with industry benchmarks, possibility of reputational loss due to incidents, and availability of security budget are important factors, but they are not the most important consideration for determining the priority for implementing security controls. References = CISM Review Manual, 16th Edition, page 971; CISM Review Questions, Answers & Explanations Manual, 10th Edition, page 2672

NEW QUESTION 113
- (Topic 3)
Determining the risk for a particular threat/vulnerability pair before controls are applied can be expressed as:

A. a function of the likelihood and impact, should a threat exploit a vulnerability.
B. the magnitude of the impact, should a threat exploit a vulnerability.
C. a function of the cost and effectiveness of controls over a vulnerability.
D. the likelihood of a given threat attempting to exploit a vulnerability

Answer: A

Explanation:
= According to the CISM Manual1, risk is defined as the combination of the probability of an event and its consequence. Therefore, determining the risk for a particular threat/vulnerability pair before controls are applied can be expressed as a function of the likelihood and impact, should a threat exploit a vulnerability. Likelihood is the probability or frequency of a threat occurring, while impact is the magnitude or severity of the harm or loss that would result from a threat exploiting a vulnerability. The higher the likelihood and impact, the higher the risk. The lower the likelihood and impact, the lower the risk.
The other options are not correct because they do not capture the full expression of risk. Option B only considers the impact, but not the likelihood, of a threat exploiting a vulnerability. Option C confuses the risk with the risk response, which is the action taken to reduce or mitigate the risk. Option D only considers the likelihood, but not the impact, of a threat attempting to exploit a vulnerability.

References = CISM Manual1, Chapter 2: Information Risk Management (IRM), Section 2.1: Risk Concepts2
1: https://store.isaca.org/s/store#/store/browse/cat/a2D4w00000Ac6NNEAZ/tiles 2: 2

NEW QUESTION 117
- (Topic 3)
Which of the following should be an information security manager's FIRST course of action when one of the organization's critical third-party providers experiences a data breach?

A. Inform the public relations officer.
B. Inform customers of the breach.
C. Invoke the incident response plan.
D. Monitor the third party's response.

Answer: C

Explanation:
The information security manager’s first course of action when one of the organization’s critical third-party providers experiences a data breach should be to invoke the incident response plan that has been established for such scenarios. The incident response plan should define the roles and responsibilities, communication channels, escalation procedures, and recovery actions for dealing with a third-party data breach. Invoking the incident response plan will help to contain the impact, assess the damage, coordinate the response, and restore the normal operations as soon as possible.
References = CISM Review Manual, 16th Edition, page 290

NEW QUESTION 120
- (Topic 3)
Which of the following MUST be established to maintain an effective information security governance framework?

A. Security controls automation
B. Defined security metrics
C. Change management processes
D. Security policy provisions

Answer: D

Explanation:
Security policy provisions are the statements or rules that define the information security objectives, principles, roles and responsibilities, and requirements for the organization. Security policy provisions must be established to maintain an effective information security governance framework, as they provide the foundation and direction for the information security activities and processes within the organization. Security policy provisions also help to align the information security governance framework with the business strategy and objectives, and ensure compliance with relevant laws and regulations. The other options, such as security controls automation, defined security metrics, or change management processes, are important components of an information security governance framework, but they are not essential to establish it. References:
? https://www.iso.org/standard/74046.html
? https://www.nistf.gov/cyberframework
? https://www.iso.org/standard/27001

NEW QUESTION 121
- (Topic 3)
Which of the following is MOST appropriate to communicate to senior management regarding information risk?

A. Emerging security technologies
B. Risk profile changes
C. Defined risk appetite
D. Vulnerability scanning progress

Answer: B

Explanation:
Risk profile changes are the most appropriate to communicate to senior management regarding information risk because they reflect the current level and nature of the risks that the organization faces and how they may affect its objectives and performance. Senior management needs to be aware of any changes in the risk profile so that they can make informed decisions and allocate resources accordingly. Risk profile changes also help senior management monitor the effectiveness of the risk management process and identify any gaps or weaknesses that need to be addressed.
References = Communicating Information Security Risk Simply and Effectively, Part 1, CISM Domain 2: Information Risk Management (IRM) [2022 update]

NEW QUESTION 123
- (Topic 3)
Which of the following is the MOST important function of an information security steering committee?

A. Assigning data classifications to organizational assets
B. Developing organizational risk assessment processes
C. Obtaining multiple perspectives from the business
D. Defining security standards for logical access controls

Answer: C

Explanation:
An information security steering committee is a group of senior executives and managers from different business units and functions who provide strategic direction, oversight, and support for the information security program. The most important function of the committee is to obtain multiple perspectives from the business, as this helps to ensure that the information security program aligns with the business goals, needs, and culture, and that the security decisions reflect the interests and expectations of the stakeholders.
References = CISM Review Manual 2022, page 331; CISM Exam Content Outline, Domain 1, Knowledge Statement 1.22; Improve Security Governance With a

Security Steering Committee2; The Role of the Corporate Information Security Steering Committee3

NEW QUESTION 127
- (Topic 3)
The categorization of incidents is MOST important for evaluating which of the following?

A. Appropriate communication channels
B. Allocation of needed resources
C. Risk severity and incident priority
D. Response and containment requirements

Answer: C

Explanation:
The categorization of incidents is most important for evaluating the risk severity and incident priority, as these factors determine the impact and urgency of the incident, and the appropriate level of response and escalation. The categorization of incidents helps to classify the incidents based on their type, source, cause, scope, and affected assets or services. By categorizing incidents, the information security manager can assess the potential or actual harm to the organization, its stakeholders, and its objectives, and assign a priority level that reflects the need for immediate action and resolution. The risk severity and incident priority also influence the allocation of resources, the response and containment requirements, and the communication channels, but they are not the primary purpose of categorization.
References = CISM Review Manual, 27th Edition, Chapter 4, Section 4.4.1, page 2371; CISM Online Review Course, Module 4, Lesson 4, Topic 12; CIRT Case Classification (Draft) - FIRST3

NEW QUESTION 131
- (Topic 3)
Which of the following is the MOST important consideration when developing key performance indicators (KPIs) for the information security program?

A. Alignment with financial reporting
B. Alignment with business initiatives
C. Alignment with industry frameworks
D. Alignment with risk appetite

Answer: B

Explanation:
Explore
The most important consideration when developing key performance indicators (KPIs) for the information security program is B. Alignment with business initiatives. This is because KPIs are measurable values that demonstrate how effectively the information security program is achieving its objectives and delivering value to the organization. KPIs should be aligned with the business initiatives, such as the strategic goals, the mission, the vision, and the values of the organization, and support the achievement of the desired outcomes and benefits. KPIs should also reflect the needs, expectations, and challenges of the business stakeholders, and provide relevant, meaningful, and actionable information for decision making and improvement. KPIs should not be too technical, complex, or ambiguous, but rather focus on the key aspects of information security performance, such as risk, compliance, maturity, value, and effectiveness.
KPIs are measurable values that demonstrate how effectively the information security program is achieving its objectives and delivering value to the organization. KPIs should be aligned with the business initiatives, such as the strategic goals, the mission, the vision, and the values of the organization, and support the achievement of the desired outcomes and benefits. (From CISM Manual or related resources)
References = CISM Review Manual 15th Edition, Chapter 1, Section 1.3.2, page 281; CISM Domain – Information Security Program Development | Infosec2; KPIs in Information Security: The 10 Most Important Security Metrics3

NEW QUESTION 133
- (Topic 3)
Which of the following is MOST important to have in place for an organization's information security program to be effective?

A. Documented information security processes
B. A comprehensive IT strategy
C. Senior management support
D. Defined and allocated budget

Answer: C

Explanation:
Senior management support is the most important factor to have in place for an organization’s information security program to be effective because it helps to establish the vision, direction, and goals of the program, as well as to allocate the necessary resources and authority to implement and maintain it. Senior management support also helps to foster a security culture within the organization, where security is seen as a shared responsibility and a business enabler. Senior management support also helps to ensure compliance with internal and external security policies and standards, as well as to communicate the value and impact of security to stakeholders. Therefore, senior management support is the correct answer.
References:
? https://www.isaca.org/resources/isaca-journal/issues/2020/volume-6/key-performance-indicators-for-security-governance-part-1
? https://www.ffiec.gov/press/PDF/FFIEC_IT_Handbook_Information_Security_Book let.pdf
? https://www.cdse.edu/Portals/124/Documents/student-guides/IF011-guide.pdf?ver=UA7IDZRN_y066rLB8oAW_w%3d%3d

NEW QUESTION 137
- (Topic 3)
An email digital signature will:

A. protect the confidentiality of an email message.
B. verify to recipient the integrity of an email message.
C. automatically correct unauthorized modification of an email message.
D. prevent unauthorized modification of an email message.

Answer: B

Explanation:
An email digital signature will verify to recipient the integrity of an email message because it ensures that the message has not been altered or tampered with during transit, and confirms that the message originated from the sender and not an imposter. An email digital signature will not protect the confidentiality of an email message because it does not encrypt or hide the message content from unauthorized parties. An email digital signature will not automatically correct unauthorized modification of an email message because it does not change or restore the message content if it has been altered or tampered with. An email digital signature will not prevent unauthorized modification of an email message because it does not block or stop any attempts to alter or tamper with the message content. References: https://support.microsoft.com/en-us/office/secure-messages-by-using-a-digital-signature-549ca2f1-a68f-4366-85fa-b3f4b5856fc6
https://www.techtarget.com/searchsecurity/definition/digital-signature

NEW QUESTION 139
- (Topic 3)
Which of the following has the MOST influence on the information security investment process?

A. IT governance framework
B. Information security policy
C. Organizational risk appetite
D. Security key performance indicators (KPIs)

Answer: C

NEW QUESTION 141
- (Topic 2)
Which of the following presents the GREATEST challenge to the recovery of critical systems and data following a ransomware incident?

A. Lack of encryption for backup data in transit
B. Undefined or undocumented backup retention policies
C. Ineffective alert configurations for backup operations
D. Unavailable or corrupt data backups

Answer: D

Explanation:
A ransomware incident is a type of cyberattack that encrypts the victim’s data and demands a ransom for its decryption. Ransomware can cause significant disruption and damage to critical systems and data, as well as financial losses and reputational harm. To recover from a ransomware incident, the organization needs to have reliable and accessible backups of its data, preferably in an encrypted format. However, if the backups are unavailable or corrupt, the organization will face a major challenge in restoring its data and operations. Therefore, option D is the most challenging factor for the recovery of critical systems and data following a ransomware incident. References = CISA MS-ISAC Ransomware Guide1, page 9; How to Write an Incident Response Plan for Ransomware Recovery2.

NEW QUESTION 144
- (Topic 2)
An information security manager has been notified about a compromised endpoint device Which of the following is the BEST course of action to prevent further damage?

A. Wipe and reset the endpoint device.
B. Isolate the endpoint device.
C. Power off the endpoint device.
D. Run a virus scan on the endpoint device.

Answer: B

Explanation:
Isolating the endpoint device is the best course of action to prevent further damage, as it will prevent the potential spread of malware or compromise to other devices or systems on the network. Wiping and resetting the endpoint device may be a possible recovery option, but it is not the first priority and it may also destroy valuable forensic evidence. Powering off the endpoint device may also cause loss of data or evidence, and it may not stop the attack if the device is remotely controlled. Running a virus scan on the endpoint device may not be effective if the device is already compromised, and it may also trigger malicious actions by the attacker. References = CISM Review Manual 15th Edition, page 203. Boosting Cyberresilience for Critical Enterprise IT Systems With COBIT and NIST Cybersecurity Frameworks1, Endpoint Security: On the Frontline of Cyber Risk2.
The best course of action to prevent further damage is to isolate the endpoint device. Isolating the endpoint device will prevent the compromised system from connecting to other systems on the network and spreading the infection. Other possible courses of action include wiping and resetting the endpoint device, running a virus scan, and powering off the endpoint device. However, these actions will not prevent the compromised system from continuing to spread the infection.

NEW QUESTION 146
- (Topic 2)
Which of the following has the GREATEST influence on an organization's information security strategy?

A. The organization's risk tolerance
B. The organizational structure
C. Industry security standards
D. Information security awareness

Answer: A

Explanation:
An organization's information security strategy should be aligned with its risk tolerance, which is the level of risk that an organization is willing to accept in pursuit of its objectives. The strategy should aim to balance the cost of security controls with the potential impact of security incidents on the organization's objectives. Therefore, an organization's risk tolerance has the greatest influence on its information security strategy. The organization’s risk tolerance has the greatest

influence on its information security strategy because it determines how much risk the organization is willing to accept and how much resources it will allocate to mitigate or transfer risk. The organizational structure, industry security standards, and information security awareness are important factors that affect the implementation and effectiveness of an information security strategy but not as much as the organization’s risk tolerance.
An information security strategy is a high-level plan that defines how an organization will achieve its information security objectives and address its information security risks. An information security strategy should align with the organization’s business strategy and reflect its mission, vision, values, and culture. An information security strategy should also consider the external and internal factors that influence the organization’s information security environment such as laws, regulations, competitors, customers, suppliers, partners, stakeholders, employees etc.

NEW QUESTION 149
- (Topic 2)
The MAIN reason for having senior management review and approve an information security strategic plan is to ensure:

A. the organization has the required funds to implement the plan.
B. compliance with legal and regulatory requirements.
C. staff participation in information security efforts.
D. the plan aligns with corporate governance.

Answer: D

Explanation:
The main reason for having senior management review and approve an information security strategic plan is to ensure that the plan aligns with the corporate governance of the organization. Corporate governance is the set of responsibilities and practices exercised by the board and executive management to provide strategic direction, ensure objectives are achieved, manage risks appropriately and verify that the organization’s resources are used responsibly1. An information security strategic plan is a document that defines the vision, mission, goals, objectives, scope and approach for the information security program of the organization2. The plan should be aligned with the organization’s business strategy, risk appetite, culture, values and objectives3. By reviewing and approving the plan, senior management demonstrates their commitment and support for the information security program, ensures its alignment with the corporate governance, and provides the necessary resources and authority for its implementation4. References = 1: CISM Review Manual 15th Edition, ISACA, 2017, page 172: CISM Review Manual 15th Edition, ISACA, 2017, page 253: CISM Review Manual 15th Edition, ISACA, 2017, page 264: CISM Review Manual 15th Edition, ISACA, 2017, page 27.
Senior management review and approval of an information security strategic plan is important to ensure that the plan is aligned with the organization's overall corporate governance objectives. It is also important to ensure that the plan takes into account any legal and regulatory requirements, as well as the resources and staff needed to properly implement the plan.

NEW QUESTION 154
- (Topic 2)
Threat and vulnerability assessments are important PRIMARILY because they are:

A. used to establish security investments
B. the basis for setting control objectives.
C. elements of the organization's security posture.
D. needed to estimate risk.

Answer: B

Explanation:
Threat and vulnerability assessments are important primarily because they are the basis for setting control objectives. Control objectives are the desired outcomes of implementing security controls, and they should be aligned with the organization’s risk appetite and business objectives. Threat and vulnerability assessments help to identify the potential sources and impacts of security incidents, and to prioritize the mitigation actions based on the likelihood and severity of the risks. By conducting threat and vulnerability assessments, the organization can establish the appropriate level and type of security controls to protect its information assets and reduce the residual risk to an acceptable level. References = CISM Review Manual (Digital Version), Chapter 3: Information Security Risk Management, Section 3.1: Risk Identification, p. 115-1161. CISM Review Manual (Print Version), Chapter 3: Information Security Risk Management, Section 3.1: Risk Identification, p. 115-1162. CISM ITEM DEVELOPMENT GUIDE, Domain 3: Information Security Program Development and Management, Task Statement 3.1, p. 193.
Threat and vulnerability assessments are important PRIMARILY because they are the basis for setting control objectives. Control objectives are the desired outcomes or goals of implementing security controls in an information system. They are derived from the risk assessment process, which identifies and evaluates the threats and vulnerabilities that could affect the system’s confidentiality, integrity and availability. By conducting threat and vulnerability assessments, an organization can determine the level of risk it faces and establish the appropriate control objectives to mitigate those risks.

NEW QUESTION 155
- (Topic 2)
An intrusion has been detected and contained. Which of the following steps represents the BEST practice for ensuring the integrity of the recovered system?

A. Install the OS, patches, and application from the original source.
B. Restore the OS, patches, and application from a backup.
C. Restore the application and data from a forensic copy.
D. Remove all signs of the intrusion from the OS and application.

Answer: A

Explanation:
After an intrusion has been detected and contained, the system should be recovered to a known and trusted state. The best practice for ensuring the integrity of the recovered system is to install the OS, patches, and application from the original source, such as the vendor’s website or media. This way, any malicious code or backdoors that may have been inserted by the intruder can be eliminated. Restoring the OS, patches, and application from a backup may not guarantee the integrity of the system, as the backup may have been compromised or outdated. Restoring the application and data from a forensic copy may preserve the evidence of the intrusion, but it may also reintroduce the vulnerability or malware that allowed the intrusion in the first place. Removing all signs of the intrusion from the OS and application may not be sufficient or feasible, as the intruder may have made subtle or hidden changes that are difficult to detect or undo.
References =
? ISACA, CISM Review Manual, 16th Edition, 2020, page 2401
? ISACA, CISM Review Questions, Answers & Explanations Database - 12 Month Subscription, 2020, question ID 2132
The BEST practice for ensuring the integrity of the recovered system after an intrusion is to restore the OS, patches, and application from a backup. This will

ensure that the system is in a known good state, without any potential residual malicious code or changes from the intrusion. Restoring from a backup also enables the organization to revert to a previous configuration that has been tested and known to be secure. This step should be taken prior to conducting a thorough investigation and forensic analysis to determine the cause and extent of the intrusion.

NEW QUESTION 158
- (Topic 2)
To help ensure that an information security training program is MOST effective its contents should be

A. focused on information security policy.
B. aligned to business processes
C. based on employees' roles
D. based on recent incidents

Answer: C

Explanation:
"An information security training program should be tailored to the specific roles and responsibilities of employees. This will help them understand how their actions affect information security and what they need to do to protect it. A generic training program that is focused on policy, business processes or recent incidents may not be relevant or effective for all employees."

NEW QUESTION 162
- (Topic 2)
Which of the following BEST indicates the effectiveness of a recent information security awareness campaign delivered across the organization?

A. Decrease in the number of security incidents
B. Increase in the frequency of security incident escalations
C. Reduction in the impact of security incidents
D. Increase in the number of reported security incidents

Answer: D

Explanation:
The best indicator of the effectiveness of a recent information security awareness campaign delivered across the organization is the increase in the number of reported security incidents. This means that the employees have become more aware of the security threats and issues, and have learned how to recognize and report them to the appropriate authorities. Reporting security incidents is a vital part of the incident response process, as it helps to identify and contain the incidents, prevent further damage, and initiate the recovery actions. Reporting security incidents also helps to collect and analyze the incident data, which can be used to improve the security controls and policies, and to prevent or mitigate similar incidents in the future. An increase in the number of reported security incidents shows that the awareness campaign has successfully raised the level of security knowledge, attitude, and behavior among the employees, and has encouraged them to take an active role in protecting the organization's information assets.
References =
? CISM Review Manual 15th Edition, page 1631
? Measuring and Evaluating the Effectiveness of Security Awareness Improvement Methods2
? Developing metrics to assess the effectiveness of cybersecurity awareness program3
? How to build a successful information security awareness programme - BCS4
? How to Increase Cybersecurity Awareness - ISACA5

NEW QUESTION 165
- (Topic 2)
Which of the following analyses will BEST identify the external influences to an organization's information security?

A. Business impact analysis (BIA)
B. Gap analysis
C. Threat analysis
D. Vulnerability analysis

Answer: C

Explanation:
A threat analysis will best identify the external influences to an organization's information security because it involves identifying and evaluating the sources and likelihood of potential adverse events that could affect the organization's assets, operations, or reputation. External influences include factors such as emerging technologies, social media, business environment, risk tolerance, regulatory requirements, third-party considerations, and threat landscape1. A threat analysis can help the organization to align its information security strategy with its business objectives and risk appetite, and to prioritize and mitigate the most relevant and impactful threats. A business impact analysis (BIA) is a process of assessing the potential consequences of a disruption to the organization's critical business functions or processes. A BIA does not directly identify the external influences to the organization's information security, but rather the impact of those influences on the organization's continuity and recovery. A gap analysis is a process of comparing the current state of the organization's information security with a desired or expected state, based on best practices, standards, or frameworks. A gap analysis does not directly identify the external influences to the organization's information security, but rather the areas of improvement or compliance. A vulnerability analysis is a process of identifying and evaluating the weaknesses or flaws in the organization's information systems or processes that could be exploited by threats. A vulnerability analysis does not directly identify the external influences to the organization's information security, but rather the exposure or susceptibility of the organization to those influences. References = CISM Review Manual, 15th Edition, pages 22-232; CISM Exam Content Outline, Domain 1, Knowledge Statement 1.113
Threat analysis is a process that is used to identify and assess the external influences or threats that could potentially affect an organization's information security. It is used to identify potential risks and develop strategies to mitigate or reduce those risks. Threat analysis involves analyzing the environment, identifying potential threats and their potential impacts, and then evaluating the organization's current security measures and developing strategies to address any deficiencies.

NEW QUESTION 169
- (Topic 2)
Which of the following is the BEST way for an organization to ensure that incident response teams are properly prepared?

A. Providing training from third-party forensics firms

B. Obtaining industry certifications for the response team
C. Conducting tabletop exercises appropriate for the organization
D. Documenting multiple scenarios for the organization and response steps

Answer: C

Explanation:
The BEST way for an organization to ensure that incident response teams are properly prepared is by conducting tabletop exercises appropriate for the organization. Tabletop exercises are an effective way to test and validate an organization's incident response plan (IRP) and the readiness of the incident response team. These exercises simulate different scenarios in a controlled environment and allow the team to practice their response procedures, identify gaps, and make improvements to the plan. By conducting regular tabletop exercises, the incident response team can stay current with changes in the threat landscape and ensure that they are prepared to respond to incidents effectively. According to the Certified Information Security Manager (CISM) Study Manual, "Tabletop exercises are a valuable tool for testing and validating the effectiveness of the IRP and the readiness of the incident response team. These exercises simulate different scenarios in a controlled environment and allow the team to practice their response procedures, identify gaps, and make improvements to the plan."
While providing training from third-party forensics firms, obtaining industry certifications, and documenting multiple scenarios for the organization and response steps can all be useful in preparing incident response teams, they are not as effective as conducting tabletop exercises appropriate for the organization.
Reference:
Certified Information Security Manager (CISM) Study Manual, 15th Edition, Page 324.

NEW QUESTION 174
- (Topic 2)
Which of the following presents the GREATEST challenge to a security operations center's wna GY of potential security breaches?

A. IT system clocks are not synchronized with the centralized logging server.
B. Operating systems are no longer supported by the vendor.
C. The patch management system does not deploy patches in a timely manner.
D. An organization has a decentralized data center that uses cloud services.

Answer: A

Explanation:
A security operations center (SOC) relies on the centralized logging server to collect, store, analyze and correlate security events from various sources such as firewalls, intrusion detection systems, antivirus software, etc. The centralized logging server uses the timestamps of the events to perform the analysis and correlation. If the IT system clocks are not synchronized with the centralized logging server, the SOC will face difficulties in identifying the sequence and causality of the events, which will affect its ability to detect and respond to potential security breaches. Therefore, this presents the greatest challenge to the SOC’s awareness of potential security breaches.
Operating systems that are no longer supported by the vendor may pose a security risk, but they can be mitigated by applying compensating controls such as isolation, segmentation, monitoring, etc. The patch management system that does not deploy patches in a timely manner may also increase the vulnerability exposure, but it can be remediated by prioritizing and applying the critical patches as soon as possible. An organization that has a decentralized data center that uses cloud services may face some challenges in ensuring the security and compliance of the cloud environment, but it can leverage the cloud service provider’s security capabilities and tools to enhance the SOC’s visibility and control. Therefore, these options are not the greatest challenges to the SOC’s awareness of potential security breaches. References = CISM Certified Information Security Manager Study Guide, Chapter 8: Security Operations and Incident Management, page 2691; CISM Foundations: Module 4 Course, Part One: Security Operations and Incident Management2; RSI Security, Common Challenges of SOC Teams3; Infosec Matter, Security Operations Center: Challenges of SOC Teams4

NEW QUESTION 176
- (Topic 2)
An employee has just reported the loss of a personal mobile device containing corporate information. Which of the following should the information security manager do FIRST?

A. Initiate incident response.
B. Disable remote
C. Initiate a device reset.
D. Conduct a risk assessment.

Answer: A

Explanation:
Initiating incident response is the first course of action for an information security manager when an employee reports the loss of a personal mobile device containing corporate information. This will help to contain the incident, assess the impact, and take appropriate measures to prevent or mitigate further damage. According to ISACA, incident management is one of the key processes for information security governance. Initiating a device reset, disabling remote access, and conducting a risk assessment are possible subsequent actions, but they should be part of the incident response plan. References: 1: Find, lock, or erase a lost Android device - Google Account Help 2: Find, lock, or erase a lost Android device - Android Help 3: Lost or Stolen Mobile Device Procedure - Information Security Office : CISM Practice Quiz | CISM Exam Prep | ISACA : 200 CISM Exam Prep Questions | Free Practice Test | Simplilearn : CISM practice questions to prep for the exam | TechTarget

NEW QUESTION 180
- (Topic 2)
Which of the following BEST enables an organization to transform its culture to support information security?

A. Periodic compliance audits
B. Strong management support
C. Robust technical security controls
D. Incentives for security incident reporting

Answer: B

Explanation:
According to the CISM Review Manual (Digital Version), page 5, information security culture is the set of values, attitudes, and behaviors that shape how an organization and its employees view and practice information security. Transforming the information security culture requires a change management process that

involves the following steps: creating a sense of urgency, forming a powerful coalition, developing a vision and strategy, communicating the vision, empowering broad-based action, generating short-term wins, consolidating gains and producing more change, and anchoring new approaches in the culture1. Among the four options, strong management support is the best enabler for transforming the information security culture, as it can provide the necessary leadership, resources, sponsorship, and alignment for the change management process. Periodic compliance audits, robust technical security controls, and incentives for security incident reporting are important elements of information security, but they are not sufficient to change the culture without strong management support. References = 1: CISM Review Manual (Digital Version), page 5

NEW QUESTION 184
- (Topic 2)
Which of the following is MOST effective for communicating forward-looking trends within security reporting?

A. Key control indicator (KCIs)
B. Key risk indicators (KRIs)
C. Key performance indicators (KPIs)
D. Key goal indicators (KGIs)

Answer: B

Explanation:
= Security reporting is the process of providing relevant and timely information on the status and performance of the information security program to the stakeholders. Security reporting should be aligned with the business objectives and risk appetite of the organization, and should provide meaningful insights and recommendations for decision making and improvement. Security reporting should also include forward- looking trends, which are projections or predictions of future events or conditions based on historical data, current situation, and external factors. Forward-looking trends can help the organization anticipate and prepare for potential risks and opportunities, and adjust their strategies and plans accordingly.
One of the most effective ways to communicate forward-looking trends within security reporting is to use key risk indicators (KRIs). KRIs are metrics that measure the level of exposure or likelihood of a risk event occurring, and provide early warning signals of potential changes in the risk profile. KRIs can help the organization monitor and manage the key risks that may affect the achievement of their objectives, and take proactive actions to mitigate or avoid them. KRIs can also help the organization identify emerging risks and trends, and evaluate the effectiveness of their risk treatment options. KRIs should be aligned with the risk appetite and tolerance of the organization, and should be regularly reviewed and updated to reflect the changing risk environment.
The other options are not the most effective ways to communicate forward-looking trends within security reporting. Key control indicators (KCIs) are metrics that measure the effectiveness and efficiency of the security controls implemented to reduce the impact or likelihood of a risk event. KCIs can help the organization assess and improve the performance of their security processes and activities, and ensure compliance with the security policies and standards. However, KCIs do not directly measure the level of exposure or likelihood of a risk event, and may not provide sufficient information on the future trends and scenarios. Key performance indicators (KPIs) are metrics that measure the achievement of the security objectives and goals, and demonstrate the value and contribution of the information security program to the organization. KPIs can help the organization evaluate and communicate the results and outcomes of their security initiatives and projects, and align them with the business strategy and vision. However, KPIs do not directly measure the level of exposure or likelihood of a risk event, and may not provide sufficient information on the future trends and scenarios. Key goal indicators (KGIs) are metrics that measure the progress and completion of the security goals and targets, and indicate the degree of success and satisfaction of the information security program. KGIs can help the organization track and report the status and milestones of their security plans and actions, and ensure alignment with the stakeholder expectations and requirements. However, KGIs do not directly measure the level of exposure or likelihood of a risk event, and may not provide sufficient information on the future trends and scenarios. References = CISM Review Manual, 16th Edition, ISACA, 2020, pp. 77-78, 81- 821; CISM Online Review Course, Domain 3: Information Security Program Development and Management, Module 4: Information Security Program Resources, ISACA2

NEW QUESTION 185
- (Topic 2)
The PRIMARY objective of performing a post-incident review is to:

A. re-evaluate the impact of incidents
B. identify vulnerabilities
C. identify control improvements.
D. identify the root cause.

Answer: D

Explanation:
= The PRIMARY objective of performing a post-incident review is to identify the root cause of the incident, which is the underlying factor or condition that enabled the incident to occur. Identifying the root cause helps to prevent or mitigate future incidents, as well as to improve the incident response process. Re-evaluating the impact of incidents, identifying vulnerabilities, and identifying control improvements are secondary objectives of a post-incident review, which are derived from the root cause analysis. References = CISM Review Manual, 16th Edition, page 3061; CISM Review Questions, Answers & Explanations Manual, 10th Edition, page 1512
The primary objective of performing a post-incident review is to identify the root cause of the incident. After an incident has occurred, the post-incident review process involves gathering and analyzing evidence to determine the cause of the incident. This analysis will help to identify both the underlying vulnerability that allowed the incident to occur, as well as any control improvements that should be implemented to prevent similar incidents from occurring in the future. Additionally, the post-incident review process can also be used to re-evaluate the impact of the incident, as well as any potential implications for the organization.

NEW QUESTION 186
- (Topic 2)
Which of the following defines the triggers within a business continuity plan (BCP)?

A. Needs of the organization
B. Disaster recovery plan (DRP)
C. Information security policy
D. Gap analysis

Answer: A

Explanation:
The needs of the organization define the triggers within a business continuity plan (BCP). Triggers are the events or conditions that initiate the activation of the BCP. The triggers should be based on the organization’s business objectives, risk appetite, recovery time objectives, and recovery point objectives. The triggers should also be aligned with the organization’s information security policy, disaster recovery plan, and gap analysis. However, these are not the primary factors that

define the triggers, but rather the supporting elements that help implement the BCP. The needs of the organization are the main drivers for determining the triggers, as they reflect the organization’s priorities, expectations, and requirements for business continuity. References =
? CISM Review Manual (Digital Version) 1, Chapter 4: Information Security Incident
Management, pages 191-192, 195-196, 199-200.
? Business Continuity Management Guideline 2, page 5, Section 4.2.1: Triggers
? Business Continuity Plan - Open Risk Manual 3, page 1, Section 1: Introduction

NEW QUESTION 187
- (Topic 2)
The PRIMARY advantage of single sign-on (SSO) is that it will:

A. increase efficiency of access management
B. increase the security of related applications.
C. strengthen user passwords.
D. support multiple authentication mechanisms.

Answer: A

Explanation:
Single sign-on (SSO) is a technology that allows users to access multiple applications or services with one set of credentials, such as a username and password. The primary advantage of SSO is that it increases the efficiency of access management, as it reduces the need for users to remember and enter multiple passwords for different applications or services. SSO also simplifies the user experience, as they can log in once and access multiple resources without having to switch between different windows or tabs. SSO can also improve the security of related applications, as it reduces the risk of password compromise or phishing attacks. However, SSO does not strengthen user passwords or support multiple authentication mechanisms by itself. It is a complementary technology that enhances the security and convenience of access management. References = CISM Review Manual, 16th Edition, page 991
The primary advantage of single sign-on (SSO) is that it increases the efficiency of access management. With SSO, users only need to remember one set of credentials to access all of their applications, rather than having to remember multiple usernames and passwords
for each application. This simplifies the user experience and helps to reduce the amount of time spent managing access to multiple applications. Additionally, SSO can also increase the security of related applications, as users are not sharing the same credentials across multiple applications, and it can also support multiple authentication mechanisms, such as biometric authentication.

NEW QUESTION 189
- (Topic 2)
Reevaluation of risk is MOST critical when there is:

A. resistance to the implementation of mitigating controls.
B. a management request for updated security reports.
C. a change in security policy.
D. a change in the threat landscape.

Answer: D

Explanation:
= Reevaluation of risk is a vital aspect of the risk management process that helps organizations to identify and analyze new or evolving threats, vulnerabilities, and impacts on their assets, and implement the necessary controls to mitigate them. Reevaluation of risk is most critical when there is a change in the threat landscape, which refers to the external and internal factors that influence the likelihood and severity of potential attacks on the organization’s information assets. A change in the threat landscape may be caused by various factors, such as technological innovations, geopolitical events, cybercrime trends, regulatory changes, or organizational changes. A change in the threat landscape may introduce new risks or alter the existing risk profile of the organization, requiring a reassessment of the risk appetite, tolerance, and strategy. Reevaluation of risk helps the organization to adapt to the changing threat landscape and ensure that the information security program remains effective, efficient, and aligned with the business objectives.
References =
? CISM Review Manual 15th Edition, page 1131
? CISM Domain 2: Information Risk Management (IRM) [2022 update]2
? Reevaluation of Risk | CISM Exam Question Answer | ISACA3

NEW QUESTION 191
- (Topic 2)
Which of the following backup methods requires the MOST time to restore data for an application?

A. Full backup
B. Incremental
C. Differential
D. Disk mirroring

Answer: B

Explanation:
= An incremental backup method only backs up the data that has changed since the last backup, whether it was a full or an incremental backup. This method requires the least amount of time and storage space for backup, but it requires the most time to restore data for an application. To restore data from an incremental backup, the latest full backup and all the subsequent incremental backups are needed. A full backup method backs up all the data in a system or an application at a point in time. This method requires the most amount of time and storage space for backup, but it requires the least time to restore data for an application. To restore data from a full backup, only the latest full backup is needed. A differential backup method backs up the data that has changed since the last full backup. This method requires more time and storage space for backup than the incremental method, but less than the full backup method. It also requires less time to restore data for an application than the incremental method, but more than the full backup method. To restore data from a differential backup, the latest full backup and the latest differential backup are needed. A disk mirroring method creates an exact copy of a disk on another disk in real time. This method provides the highest level of availability and fault tolerance, but it also requires twice the amount of disk space. To restore data from a disk mirroring method, the mirrored disk can be used as the primary disk in case of a failure. References = CISM Review Manual 15th Edition, page 201-202.
The method that requires the MOST time to restore data for an application is a Full Backup. Full backups contain all the data that is required to restore an application, but the process of restoring the data is the most time-consuming as it involves copying all the data from the backup to the application. Incremental backups only backup the changes made since the last backup, differential backups only backup changes made since the last full backup, and disk mirroring

provides real-time data replication, so the data is immediately available.

NEW QUESTION 195

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