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CompTIA Security+ Certification Exam SY0-701 Practice Test 1

▶ Which of the following answers can be used to describe technical security controls? (Select 3 answers)

- Focused on protecting material assets (✖ Your answer)
- Sometimes called logical security controls (⦿ Missed)
- Executed by computer systems (instead of people) (✔ Your answer)
- Also known as administrative controls
- Implemented with technology (⦿ Missed)
- Primarily implemented and executed by people (as opposed to computer systems) (✖ Your answer)

🚫 Your answer to this question is incorrect or incomplete.

▶ Which of the answers listed below refer to examples of technical security controls? (Select 3 answers)

- Security audits
- Encryption (⦿ Missed)
- Organizational security policy
- IDSs (⦿ Missed)
- Configuration management
- Firewalls (⦿ Missed)

🚫 Your answer to this question is incorrect or incomplete.

▶ Which of the following answers refer to the characteristic features of managerial security controls? (Select 3 answers)

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CompTIA SY0-701 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> • Security Operations: This topic delves into applying common security techniques to computing resources, addressing security implications of proper hardware, software, and data asset management, managing vulnerabilities effectively, and explaining security alerting and monitoring concepts. It also discusses enhancing enterprise capabilities for security, implementing identity and access management, and utilizing automation and orchestration for secure operations.

Topic 2	<ul style="list-style-type: none"> • Threats, Vulnerabilities, and Mitigations: In this topic, you'll find discussions comparing threat actors and motivations, explaining common threat vectors and attack surfaces, and outlining different types of vulnerabilities. Moreover, the topic focuses on analyzing indicators of malicious activity in scenarios and exploring mitigation techniques used to secure enterprises against threats.
Topic 3	<ul style="list-style-type: none"> • General Security Concepts: This topic covers various types of security controls, fundamental security concepts, the importance of change management processes in security, and the significance of using suitable cryptographic solutions.
Topic 4	<ul style="list-style-type: none"> • Security Architecture: Here, you'll learn about security implications across different architecture models, applying security principles to secure enterprise infrastructure in scenarios, and comparing data protection concepts and strategies. The topic also delves into the importance of resilience and recovery in security architecture.
Topic 5	<ul style="list-style-type: none"> • Security Program Management and Oversight: Finally, this topic discusses elements of effective security governance, the risk management process, third-party risk assessment, and management processes. Additionally, the topic focuses on security compliance requirements, types and purposes of audits and assessments, and implementing security awareness practices in various scenarios.

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CompTIA Security+ Certification Exam Sample Questions (Q112-Q117):

NEW QUESTION # 112

You are security administrator investigating a potential infection on a network.

Click on each host and firewall. Review all logs to determine which host originated the Infection and then deny each remaining hosts clean or infected.



Answer:

Explanation:

Explanation

Based on the logs, it seems that the host that originated the infection is 192.168.10.22. This host has a suspicious process named svchost.exe running on port 443, which is unusual for a Windows service. It also has a large number of outbound connections to different IP addresses on port 443, indicating that it is part of a botnet.

The firewall log shows that this host has been communicating with 10.10.9.18, which is another infected host on the engineering network. This host also has a suspicious process named svchost.exe running on port 443, and a large number of outbound connections to different IP addresses on port 443.

The other hosts on the R&D network (192.168.10.37 and 192.168.10.41) are clean, as they do not have any suspicious processes or connections.

NEW QUESTION # 113

Which of the following is the most effective way to protect an application server running software that is no longer supported from

network threats?

- A. Port security
- B. Barricade
- C. Screen subnet
- D. Air gap

Answer: C

Explanation:

One of the most effective ways to protect an application server is to use a screened subnet. A screened subnet is a network segment that is isolated from both the internet and the internal network by two firewalls. The application server is placed in the screened subnet, also known as the demilitarized zone (DMZ), and only the necessary ports are opened for communication. This way, the application server is shielded from external attacks and internal breaches, and the impact of a compromise is minimized.

NEW QUESTION # 114

Which of the following should a company use to provide proof of external network security testing?

- A. Business impact analysis
- B. Vulnerability assessment
- C. Supply chain analysis
- D. Third-party attestation

Answer: D

Explanation:

Detailed Third-party attestation involves an external, independent party performing a network security assessment and providing documented proof, ensuring objectivity and compliance with regulatory or client requirements. Reference: CompTIA Security+ SY0-701 Study Guide, Domain 5: Security Program Management, Section: "Compliance and Security Audits".

NEW QUESTION # 115

An organization has been experiencing issues with deleted network share data and improperly assigned permissions. Which of the following would best help track and remediate these issues?

- A. ACL
- B. FIM
- C. DLP
- D. EDR

Answer: B

Explanation:

FIM continuously monitors files and their permissions on network shares, alerting when items are deleted or access rights are changed so administrators can quickly investigate and remediate.

NEW QUESTION # 116

Which of the following prevents unauthorized modifications to internal processes, assets, and security controls?

- A. Change management
- B. Incident response
- C. Acceptable use policy
- D. Playbooks

Answer: A

Explanation:

A formal change management process requires every alteration to be requested, reviewed, approved, documented, and tested before deployment. That governance gate keeps internal processes, assets, and security controls from being modified ad hoc or by

