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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 (X Your answer)
- Sometimes called logical security controls (O Missed)
- Executed by computer systems (instead of people) (X Your answer)
- Also known as administrative controls
- Implemented with technology (O Missed)
- Primarily implemented and executed by people (as opposed to computer systems) (X 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 (O Missed)
- Organizational security policy
- IDSs (O Missed)
- Configuration management
- Firewalls (O 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"> • 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 2	<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 3	<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 4	<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.
Topic 5	<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.

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CompTIA Security+ Certification Exam Sample Questions (Q352-Q357):

NEW QUESTION # 352

While updating the security awareness training, a security analyst wants to address issues created if vendors' email accounts are compromised. Which of the following recommendations should the security analyst include in the training?

- A. Delete emails from unknown service provider partners.
- B. Be alert to unexpected requests from familiar email addresses.
- C. Require that invoices be sent as attachments.
- D. Refrain from clicking on images included in emails from new vendors.

Answer: B

Explanation:

Compromised vendor email accounts often lead to business email compromise (BEC) attacks where attackers send malicious or unexpected requests appearing from trusted sources. Training users to be alert to unexpected requests even if they appear to come from familiar addresses is critical in preventing such attacks.

Refraining from clicking images (A) is less effective than being vigilant about suspicious content and requests. Deleting emails from unknown providers (B) is not practical, as some legitimate emails come from unknown senders. Requiring invoices as attachments (C) can increase risk by encouraging users to open potentially malicious attachments.

This user awareness tactic is emphasized in the Security Program Management and Security Awareness training in SY0-701#6:Chapter 16 CompTIA Security+ Study Guide#.

NEW QUESTION # 353

An organization wants to limit potential impact to its log-in database in the event of a breach. Which of the following options is the security team most likely to recommend?

- A. Tokenization
- B. Obfuscation
- C. Hashing
- D. Segmentation

Answer: C

NEW QUESTION # 354

Which of the following data types relates to data sovereignty?

- A. Data at rest outside of a country's borders
- B. Health data shared between doctors in other nations
- C. Data classified as public in other countries
- D. Personally Identifiable data while traveling

Answer: A

Explanation:

Data sovereignty concerns the laws and governance that apply to data at rest outside of a country's borders. It refers to the legal implications and regulatory controls over where data is stored geographically.

Reference:

CompTIA Security+ SY0-701 Official Study Guide, Domain 5.4: "Data sovereignty refers to data being subject to the laws of the country in which it resides." Exam Objectives 5.4: "Given a scenario, implement data security and privacy practices."

NEW QUESTION # 355

Which of the following would be the best way to handle a critical business application that is running on a legacy server?

* Segmentation

- A. Isolation
- B. Decommissioning
- C. Hardening

Answer: C

Explanation:

A legacy server is a server that is running outdated or unsupported software or hardware, which may pose security risks and compatibility issues. A critical business application is an application that is essential for the operation and continuity of the business, such as accounting, payroll, or inventory management. A legacy server running a critical business application may be difficult to replace or upgrade, but it should not be left unsecured or exposed to potential threats.

One of the best ways to handle a legacy server running a critical business application is to harden it.

Hardening is the process of applying security measures and configurations to a system to reduce its attack surface and vulnerability.

Hardening a legacy server may involve steps such as:

- * Applying patches and updates to the operating system and the application, if available
 - * Removing or disabling unnecessary services, features, or accounts
 - * Configuring firewall rules and network access control lists to restrict inbound and outbound traffic
 - * Enabling encryption and authentication for data transmission and storage
 - * Implementing logging and monitoring tools to detect and respond to anomalous or malicious activity
 - * Performing regular backups and testing of the system and the application
- Hardening a legacy server can help protect the critical business application from unauthorized access, modification, or disruption, while maintaining its functionality and availability.

However, hardening a legacy server is not a permanent solution, and it may not be sufficient to address all the security issues and challenges posed by the outdated or unsupported system. Therefore, it is advisable to plan for the eventual decommissioning or migration of the legacy server to a more secure and modern platform, as soon as possible.

References: CompTIA Security+ SY0-701 Certification Study Guide, Chapter 3: Architecture and Design, Section 3.2: Secure System Design, Page 133 1; CompTIA Security+ Certification Exam Objectives, Domain

3: Architecture and Design, Objective 3.2: Explain the importance of secure system design, Subobjective:

Legacy systems 2

