

Practice Test SY0-701 Fee & SY0-701 Key Concepts

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(7/7)

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 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 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 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.

CompTIA Security+ Certification Exam Sample Questions (Q573-Q578):

NEW QUESTION # 573

A company is changing its mobile device policy. The company has the following requirements:

- Company-owned devices
- Ability to harden the devices
- Reduced security risk
- Compatibility with company resources

Which of the following would best meet these requirements?

- **A. COPE**
- B. BYOD
- C. COBO
- D. CYOD

Answer: A

NEW QUESTION # 574

While investigating a possible incident, a security analyst discovers the following log entries:

67.118.34.157 ----- [28/Jul/2022:10:26:59 -0300] "GET /query.php?q=wireless%20headphones / HTTP/1.0" 200 12737

132.18.222.103 ----[28/Jul/2022:10:27:10 -0300] "GET /query.php?q=123 INSERT INTO users VALUES('temp', 'pass123')#/ HTTP/1.0" 200 935

12.45.101.121 ----- [28/Jul/2022:10:27:22 -0300] "GET /query.php?q=mp3%20players I HTTP/1.0" 200 14650 Which of the following should the analyst do first?

- **A. Check the users table for new accounts**
- B. Implement a WAF
- C. Block brute-force attempts on temporary users
- D. Disable the query .php script

Answer: A

Explanation:

The logs show an SQL injection attack. The first step is to verify if new accounts have been created, indicating a successful injection.

NEW QUESTION # 575

The security team has been asked to only enable host A (10.2.2.7) and host B (10.3.9.9) to the new isolated network segment (10.9.8.14) that provides access to legacy devices.

Access from all other hosts should be blocked. Which of the following entries would need to be added on the firewall?

- A. ☐
- B. ☐
- C. ☒
- D. ☐

Answer: C

NEW QUESTION # 576

A group of developers has a shared backup account to access the source code repository. Which of the following is the best way to secure the backup account if there is an SSO failure?

- A. SAML
- B. RAS
- C. PAM
- D. EAP

Answer: C

Explanation:

Detailed Explanation: Privileged Access Management (PAM) solutions enhance security by enforcing strong authentication, rotation of credentials, and access control for shared accounts. This is especially critical in scenarios like SSO failures. Reference: CompTIA Security+ SY0-701 Study Guide, Domain 5: Security Program Management, Section: "Privileged Access and Identity Management".

NEW QUESTION # 577

Which of the following is an example of memory injection?

- A. A process receives an unexpected amount of data, which causes malicious code to be executed.
- B. Two processes access the same variable, allowing one to cause a privilege escalation.
- C. An executable is overwritten on the disk, and malicious code runs the next time it is executed.
- D. Malicious code is copied to the allocated space of an already running process.

Answer: D

Explanation:

Memory injection occurs when malicious code is written into the memory space of a running process, allowing it to execute without writing anything to disk. This is often used in fileless malware attacks, making detection harder.

A (privilege escalation) describes a race condition, not memory injection.

B (unexpected data causing execution) describes a buffer overflow attack, not memory injection.

D (overwriting an executable) is a persistence technique, but it is not an example of in-memory injection.

Reference: CompTIA Security+ SY0-701 Official Study Guide, Threats, Vulnerabilities, and Mitigations domain.

NEW QUESTION # 578

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