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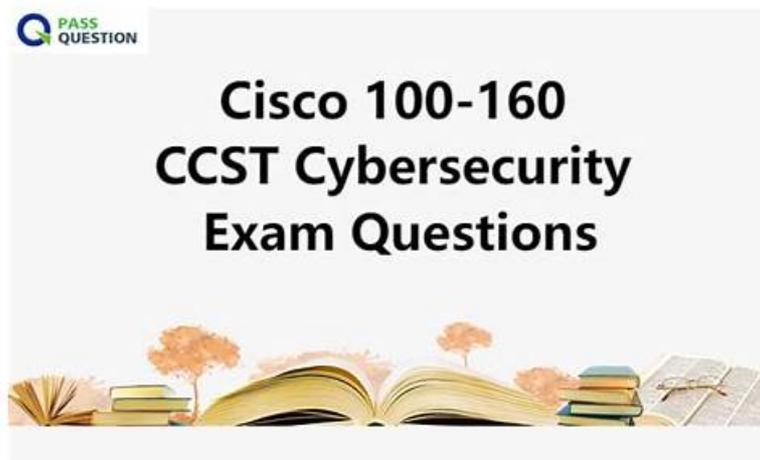
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100-160 Exam Topics - Quiz 100-160 - First-grade Cisco Certified Support Technician (CCST) Cybersecurity Free Updates

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Cisco 100-160 Exam Syllabus Topics:

Topic	Details
Topic 1	• Essential Security Principles: This section of the exam measures the skills of a Cybersecurity Technician and covers foundational cybersecurity concepts such as the CIA triad (confidentiality, integrity, availability), along with basic threat types and vulnerabilities, laying the conceptual groundwork for understanding how to protect information systems.
Topic 2	• Vulnerability Assessment and Risk Management: This section of the exam measures the skills of a Risk Management Analyst and entails identifying and assessing vulnerabilities, understanding risk priorities, and applying mitigation strategies that help manage threats proactively within an organization's systems
Topic 3	• Incident Handling: This section of the exam measures the skills of an Incident Responder and centers on recognizing security incidents, responding appropriately, and containing threats—forming the essential foundation of incident response procedures.

Topic 4	• Basic Network Security Concepts: This section of the exam measures the skills of a Network Defender and focuses on understanding network-level protections, including firewalls, VPNs, and intrusion detection • prevention systems, providing insight into how threats are mitigated within network environments.
Topic 5	• Endpoint Security Concepts:This section of the exam measures the skills of an Endpoint Security Specialist and includes securing individual devices, understanding protections such as antivirus, patching, and access control at the endpoint level, essential for maintaining device integrity.

Cisco Certified Support Technician (CCST) Cybersecurity Sample Questions (Q321-Q326):

NEW QUESTION # 321
What does Network Access Control (NAC) refer to in cybersecurity?

- A. To filter network traffic based on predefined rules
- B. To monitor network traffic for potential security threats
- C. To authenticate users before granting them access
- D. To encrypt traffic between two networks

Answer: C

Explanation:
Network Access Control (NAC) is a cybersecurity approach that focuses on ensuring that only authorized users and devices are granted access to a network. NAC systems typically involve authentication mechanisms, such as username and password combinations, digital certificates, or biometric authentication, to verify the identity of users before permitting network access. By implementing NAC, organizations can enforce access control policies, prevent unauthorized access, and mitigate security risks.

NEW QUESTION # 322
What is the main purpose of risk management in the context of cybersecurity?

- A. To ignore potential cybersecurity risks to minimize costs.
- B. To transfer all cybersecurity risks to a third-party vendor.
- C. To identify and prioritize potential cybersecurity risks for effective mitigation.
- D. To eliminate all possible risks to an organization's cybersecurity.

Answer: C

Explanation:
The main purpose of risk management in the context of cybersecurity is to identify and prioritize potential risks associated with a system, network, or application. By understanding the risks, organizations can develop effective mitigation strategies and allocate resources accordingly. Risk management involves assessing the likelihood and impact of potential risks, determining their significance to the organization, and implementing appropriate controls to mitigate or reduce those risks to an acceptable level.

NEW QUESTION # 323
What is the purpose of implementing a firewall in a network?

- A. To monitor network performance and troubleshoot issues
- B. To control and filter network traffic based on predetermined security policies
- C. To scan and remove malware from network traffic
- D. To prevent unauthorized physical access to network devices

Answer: B

Explanation:
A firewall is a network security device that acts as a barrier between internal and external networks. Its main purpose is to control and filter network traffic based on predetermined security policies. It examines packets entering or leaving the network and either allows or blocks them based on the configured rules.

NEW QUESTION # 324

Which security assessment of IT systems verifies that PII data is available, accurate, confidential, and accessible only by authorized users?

- A. Workflow management
- B. Cyber Kill Chain
- C. Risk framing
- D. Information assurance

Answer: D

Explanation:
The CCST Cybersecurity study material defines Information Assurance (IA) as the practice of managing information-related risks to ensure data availability, integrity, confidentiality, authentication, and non-repudiation. It specifically applies to sensitive information like PII (Personally Identifiable Information).
"Information assurance involves the protection and validation of data so that it remains accurate, confidential, and available only to authorized users. IA ensures the trustworthiness of information, particularly when handling sensitive or regulated data such as PII."
(CCST Cybersecurity, Vulnerability Assessment and Risk Management, Information Assurance section, Cisco Networking Academy) A (Risk framing) is part of risk management planning but does not verify data integrity and confidentiality directly.
B (Cyber Kill Chain) is an attack lifecycle model.
C (Workflow management) is about process efficiency, not data protection.
D is correct: Information Assurance addresses the availability, accuracy, and confidentiality of sensitive data.

NEW QUESTION # 325

What is the main benefit of implementing SOAR technology in monitoring network data for security incidents?

- A. Improved incident response time
- B. Increased network availability
- C. Reduced network bandwidth consumption
- D. Enhanced network performance

Answer: A

Explanation:
SOAR (Security Orchestration, Automation, and Response) technology aims to streamline and automate incident response processes. By integrating various security tools, SOAR enables a faster and more organized response to security incidents. It automates manual tasks, provides real-time incident metrics and visibility, and facilitates collaboration among different teams involved in incident response. Ultimately, implementing SOAR can significantly improve incident response time.

NEW QUESTION # 326

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