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EXAM CRAM NCLEX-PN PRACTICE QUESTIONS AND ANSWERS 2023

A+

the nurse is caring for a client scheduled for removal of a pituitary tumor using the transsphenoidal approach. the nurse should be particularly alert to:

- A. Nasal congestion
- B. Abdominal Tenderness
- C. Muscle Tetany
- D. Oliguria - Answer-A. Nasal congestion

why?

removal of the pituitary gland is usually done by transsphenoidal approach through the nose. Nasal congestion further interferes with the airway.

A client with cancer is admitted to the oncology unit. Stat lab values reveal Hgb 12.6, WBC 6500, K⁺1.9, uric acid 7.0, Na⁺136, and platelets 178,000. The nurse evaluates that the client is experiencing which of the following?

- A. Hyponatremia
- B. Hypokalemia
- C. Myelosuppression
- D. Leukocytosis - Answer-B. Hypokalemia

why?

Hypokalemia is evident from the lab values listed. The other laboratory findings are within normal limits, making answers A,C and D incorrect

A 24 year-old female client is scheduled for surgery in the morning. Which of the following is the primary responsibility of the nurse?

- A. taking the vital signs
- B. obtaining the permit
- C. explaining the procedure
- D. Checking the lab work - Answer-A. taking the vital signs

why?

the primary responsibility of the nurse is to take the vital signs before any surgery.

answers B,C and D are the responsibility of the doctor.

The nurse is working in the emergency room when a client arrives with severe burns of the left arm, hands, face, and neck. which action should receive priority?

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ISACA CCOA Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Securing Assets: This section of the exam measures skills of a Cybersecurity Specialist and covers the methods and strategies used to secure organizational assets. It includes topics like endpoint security, data protection, encryption techniques, and securing network infrastructure. The goal is to ensure that sensitive information and resources are properly protected from external and internal threats.
Topic 2	<ul style="list-style-type: none">Technology Essentials: This section of the exam measures skills of a Cybersecurity Specialist and covers the foundational technologies and principles that form the backbone of cybersecurity. It includes topics like hardware and software configurations, network protocols, cloud infrastructure, and essential tools. The focus is on understanding the technical landscape and how these elements interconnect to ensure secure operations.

Topic 3	<ul style="list-style-type: none"> • Cybersecurity Principles and Risk: This section of the exam measures the skills of a Cybersecurity Specialist and covers core cybersecurity principles and risk management strategies. It includes assessing vulnerabilities, threat analysis, and understanding regulatory compliance frameworks. The section emphasizes evaluating risks and applying appropriate measures to mitigate potential threats to organizational assets.
Topic 4	<ul style="list-style-type: none"> • Adversarial Tactics, Techniques, and Procedures: This section of the exam measures the skills of a Cybersecurity Analyst and covers the tactics, techniques, and procedures used by adversaries to compromise systems. It includes identifying methods of attack, such as phishing, malware, and social engineering, and understanding how these techniques can be detected and thwarted.
Topic 5	<ul style="list-style-type: none"> • Incident Detection and Response: This section of the exam measures the skills of a Cybersecurity Analyst and focuses on detecting security incidents and responding appropriately. It includes understanding security monitoring tools, analyzing logs, and identifying indicators of compromise. The section emphasizes how to react to security breaches quickly and efficiently to minimize damage and restore operations.

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ISACA Certified Cybersecurity Operations Analyst Sample Questions (Q20-Q25):

NEW QUESTION # 20

After identified weaknesses have been remediated, which of the following should be completed NEXT?

- **A. Perform a validation scan before moving to production.**
- B. Perform a software quality assurance (QA) activity.
- C. Perform software code testing.
- D. Move the fixed system directly to production.

Answer: A

Explanation:

After remediation of identified weaknesses, the next step is to perform a validation scan to ensure that the fixes were successful and no new vulnerabilities were introduced.

* Purpose: Confirm that vulnerabilities have been properly addressed.

* Verification: Uses automated tools or manual testing to recheck the patched systems.

* Risk Management: Prevents reintroducing vulnerabilities into the production environment.

Incorrect Options:

* B. Software code testing: Typically performed during development, not after remediation.

* C. Software quality assurance (QA) activity: Focuses on functionality, not security validation.

* D. Moving directly to production: Risks deploying unvalidated fixes.

Exact Extract from CCOA Official Review Manual, 1st Edition:

Refer to Chapter 6, Section "Post-Remediation Activities," Subsection "Validation Scans" - Validating fixes ensures security before moving to production.

NEW QUESTION # 21

Analyze the file titled pcap_artifact5.txt on the AnalystDesktop.

Decode the contents of the file and save the output in a text file with a filename of pcap_artifact5_decoded.txt on the Analyst Desktop.

Answer:

Explanation:

See the solution in Explanation.

Explanation:

To decode the contents of the file pcap_artifact5.txt and save the output in a new file named pcap_artifact5_decoded.txt, follow these detailed steps:

Step 1: Access the File

- * Log into the Analyst Desktop.
- * Navigate to the Desktop and locate the file:

pcap_artifact5.txt

- * Open the file using a text editor:

- * On Windows:

nginx

Notepad pcap_artifact5.txt

- * On Linux:

cat ~/Desktop/pcap_artifact5.txt

Step 2: Examine the File Contents

- * Analyze the content to identify the encoding format. Common encoding types include:

- * Base64
- * Hexadecimal
- * URL Encoding
- * ROT13

Example File Content:

ini

U29tZSBibmNvZGVkdIGNvbnRlbnQgd2l0aCBwb3RlbnRpYWwgbWFsd2FyZS4uLg==

- * The above example appears to be Base64 encoded.

Step 3: Decode the Contents

Method 1: Using PowerShell (Windows)

- * Open PowerShell:

powershell

\$encoded = Get-Content "C:\Users\<Username>\Desktop\pcap_artifact5.txt"

[System.Text.Encoding]::UTF8.GetString([System.Convert]::FromBase64String(\$encoded)) | Out-File "C:\Users\<Username>\Desktop\pcap_artifact5_decoded.txt"

Method 2: Using Command Prompt (Windows)

- * Use certutil for Base64 decoding:

cmd

certutil -decode pcap_artifact5.txt pcap_artifact5_decoded.txt

Method 3: Using Linux/WSL

- * Use the base64 decoding command:

base64 -d ~/Desktop/pcap_artifact5.txt > ~/Desktop/pcap_artifact5_decoded.txt

- * If the content is Hexadecimal, use:

xxd -r -p ~/Desktop/pcap_artifact5.txt > ~/Desktop/pcap_artifact5_decoded.txt

- * Open the decoded file to verify its contents:

- * On Windows:

php-template

notepad C:\Users\<Username>\Desktop\pcap_artifact5_decoded.txt

- * On Linux:

cat ~/Desktop/pcap_artifact5_decoded.txt

- * Check if the decoded text makes sense and is readable.

Example Decoded Output:

Some encoded content with potential malware...

Step 5: Save and Confirm

- * Ensure the file is saved as:

pcap_artifact5_decoded.txt

- * Located on the Desktop for easy access.

Step 6: Analyze the Decoded Content

- * Look for:

- * Malware signatures
 - * Command and control (C2) server URLs
 - * Indicators of Compromise (IOCs)
- Step 7: Document the Process
- * Record the following:
 - * Original Filename:pcap_artifact5.txt
 - * Decoded Filename:pcap_artifact5_decoded.txt
 - * Decoding Method:Base64 (or identified method)
 - * Contents:Brief summary of findings

NEW QUESTION # 22

Which of the following is the BEST method of logical network segmentation?

- A. Virtual local area network (VLAN) tagging and isolation
- B. Encryption and tunneling
- C. Physical separation of network devices
- D. IP address filtering and access control list (ACL)

Answer: A

Explanation:

VLAN tagging and isolation is the best method for logical network segmentation because:

- * Network Segmentation: VLANs logically separate network traffic within the same physical infrastructure.
- * Access Control: Allows for granular control over who can communicate with which VLAN.
- * Traffic Isolation: Reduces the risk of lateral movement by attackers within the network.
- * Efficiency: More practical and scalable than physical separation.

Incorrect Options:

- * A. Encryption and tunneling: Protects data but does not logically segment the network.
- * B. IP filtering and ACLs: Control traffic flow but do not create isolated network segments.
- * D. Physical separation: Achieves isolation but is less flexible and cost-effective compared to VLANs.

Exact Extract from CCOA Official Review Manual, 1st Edition:

Refer to Chapter 5, Section "Network Segmentation Techniques," Subsection "VLAN Implementation" - VLANs are the most efficient way to achieve logical separation and isolation.

NEW QUESTION # 23

Exposing the session identifier in a URL is an example of which web application-specific risk?

- A. Identification and authentication failures
- B. Broken access control
- C. Cryptographic failures
- D. Insecure design and implementation

Answer: A

Explanation:

Exposing the session identifier in a URL is a classic example of an identification and authentication failure because:

* Session Hijacking Risk: Attackers can intercept session IDs when exposed in URLs, especially through techniques like referrer header leaks or logs.

* Session Fixation: If the session ID is predictable or accessible, attackers can force a user to log in with a known ID.

* OWASP Top Ten 2021 - Identification and Authentication Failures (A07): Exposing session identifiers makes it easier for attackers to impersonate users.

* Secure Implementation: Best practices dictate storing session IDs in HTTP-only cookies rather than in URLs to prevent exposure.

Other options analysis:

- * A. Cryptographic failures: This risk involves improper encryption practices, not session management.
- * B. Insecure design and implementation: Broad category, but this specific flaw is more aligned with authentication issues.
- * D. Broken access control: Involves authorization flaws rather than authentication or session handling.

CCOA Official Review Manual, 1st Edition References:

- * Chapter 4: Web Application Security: Covers session management best practices and related vulnerabilities.
- * Chapter 8: Application Security Testing: Discusses testing for session-related flaws.

NEW QUESTION # 24

When identifying vulnerabilities, which of the following should a cybersecurity analyst determine FIRST?

- A. The vulnerability categories possible for the tested asset types
- B. The number of tested asset types included in the assessment
- C. The number of vulnerabilities identifiable by the scanning tool
- D. The vulnerability categories identifiable by the scanning tool

Answer: A

Explanation:

When identifying vulnerabilities, the first step for a cybersecurity analyst is to determine the vulnerability categories possible for the tested asset types because:

* Asset-Specific Vulnerabilities: Different asset types (e.g., servers, workstations, IoT devices) are susceptible to different vulnerabilities.

* Targeted Scanning: Knowing the asset type helps in choosing the correct vulnerability scanning tools and configurations.

* **Accuracy in Assessment:** This ensures that the scan is tailored to the specific vulnerabilities associated with those assets.

* **Efficiency:** Reduces false positives and negatives by focusing on relevant vulnerability categories.

Other options analysis:

* A. Number of vulnerabilities identifiable: This is secondary; understanding relevant categories comes first.

* B. Number of tested asset types: Knowing asset types is useful, but identifying their specific vulnerabilities is more crucial.

* D. Vulnerability categories identifiable by the tool: Tool capabilities matter, but only after determining what needs to be tested.

CCOA Official Review Manual, 1st Edition References:

* Chapter 6: Vulnerability Management: Discusses the importance of asset-specific vulnerability identification.

* Chapter 8: Threat and Vulnerability Assessment: Highlights the relevance of asset categorization.

NEW QUESTION # 25

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