

Digital-Forensics-in-Cybersecurity Test Questions Answers - Digital-Forensics-in-Cybersecurity Related Certifications

Digital Forensics in Cybersecurity Questions
and correct Answers (Verified Answers)
with Rationales 2025

1. What is the primary goal of digital forensics?
To identify, preserve, analyze, and present digital evidence in a legally acceptable manner.
This ensures evidence is handled properly to support legal proceedings without alteration or corruption.

2. Which phase in the digital forensics process involves collecting digital evidence?
Identification and collection phase.
Collecting evidence carefully to maintain integrity is crucial for valid forensic analysis.

3. What does the acronym "ACPO" stand for in the context of digital forensics best practices?
Association of Chief Police Officers.
The ACPO guidelines provide principles to ensure digital evidence is admissible and handled correctly.

4. What is a hash value used for in digital forensics?
To verify the integrity of data.

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Failure in the Digital Forensics in Cybersecurity (D431/C840) Course Exam (Digital-Forensics-in-Cybersecurity) exam dumps wastes the money and time of applicants. If you are also planning to take the Digital-Forensics-in-Cybersecurity practice test and don't know where to get real Digital-Forensics-in-Cybersecurity exam questions, then you are at the right place. Braindumpsqa is offering the actual Digital-Forensics-in-Cybersecurity Questions that can help you get ready for the examination in a short time. These WGU Digital-Forensics-in-Cybersecurity Practice Tests are collected by our team of experts. It has ensured that our questions are genuine and updated. We guarantee that you will be satisfied with the quality of our Digital-Forensics-in-Cybersecurity practice questions.

WGU Digital-Forensics-in-Cybersecurity Exam Syllabus Topics:

Topic	Details

Topic 1	<ul style="list-style-type: none"> • Domain Legal and Procedural Requirements in Digital Forensics: This domain measures the skills of Digital Forensics Technicians and focuses on laws, rules, and standards that guide forensic work. It includes identifying regulatory requirements, organizational procedures, and accepted best practices that ensure an investigation is defensible and properly executed.
Topic 2	<ul style="list-style-type: none"> • Domain Evidence Analysis with Forensic Tools: This domain measures skills of Cybersecurity technicians and focuses on analyzing collected evidence using standard forensic tools. It includes reviewing disks, file systems, logs, and system data while following approved investigation processes that ensure accuracy and integrity.
Topic 3	<ul style="list-style-type: none"> • Domain Incident Reporting and Communication: This domain measures the skills of Cybersecurity Analysts and focuses on writing incident reports that present findings from a forensic investigation. It includes documenting evidence, summarizing conclusions, and communicating outcomes to organizational stakeholders in a clear and structured way.
Topic 4	<ul style="list-style-type: none"> • Domain Recovery of Deleted Files and Artifacts: This domain measures the skills of Digital Forensics Technicians and focuses on collecting evidence from deleted files, hidden data, and system artifacts. It includes identifying relevant remnants, restoring accessible information, and understanding where digital traces are stored within different systems.
Topic 5	<ul style="list-style-type: none"> • Domain Digital Forensics in Cybersecurity: This domain measures the skills of Cybersecurity technicians and focuses on the core purpose of digital forensics in a security environment. It covers the techniques used to investigate cyber incidents, examine digital evidence, and understand how findings support legal and organizational actions.

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WGU Digital Forensics in Cybersecurity (D431/C840) Course Exam Sample Questions (Q12-Q17):

NEW QUESTION # 12

Which description applies to the Advanced Forensic Format (AFF)?

- A. An open file standard developed by AccessData
- B. An open file standard used by Sleuth Kit and Autopsy
- C. A proprietary format developed by Guidance Software
- D. A proprietary format used by the iLook tool

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The Advanced Forensic Format (AFF) is an open file format designed for storing disk images and related forensic metadata. It was developed by the Sleuth Kit community and is supported by forensic tools such as Sleuth Kit and Autopsy. AFF allows efficient storage, compression, and metadata annotation, which makes it suitable for forensic investigations.

* AccessData is known for FTK format, not AFF.

* iLook uses proprietary formats unrelated to AFF.

* Guidance Software developed the EnCase Evidence File (E01) format.

* AFF is widely recognized in open-source forensic toolchains.

Reference: The AFF format and its use with Sleuth Kit and Autopsy are documented in digital forensics literature and the AFF official documentation, as endorsed by the NIST and forensic tool developer communities.

NEW QUESTION # 13

Which characteristic applies to magnetic drives compared to solid-state drives (SSDs)?

- A. Lower cost
- B. Higher cost
- C. Faster read/write speeds
- D. Less susceptible to damage

Answer: A

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Magnetic hard drives generally have a lower cost per gigabyte compared to solid-state drives (SSDs).

However, they are more susceptible to mechanical damage and slower in data access.

* SSDs have no moving parts and provide better durability and speed but at a higher price.

* Forensics practitioners consider these differences during evidence acquisition.

Reference: Digital forensics texts and hardware overviews describe magnetic drives as cost-effective but fragile compared to SSDs.

NEW QUESTION # 14

Which tool should be used with sound files, video files, and image files?

- A. MP3Stego
- B. StegVideo
- C. Stealth Files 4
- D. Snow

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

StegVideo is a steganographic tool designed to embed hidden messages within multimedia files such as sound, video, and image files, making it suitable for multi-media steganography.

* Snow is mainly used for text-based steganography.

* MP3Stego is specialized for MP3 audio files only.

* Stealth Files 4 is a general steganography tool but less commonly referenced for multimedia.

Forensic and academic sources identify StegVideo as a tool for multimedia steganography, useful in complex digital investigations.

NEW QUESTION # 15

A computer involved in a crime is infected with malware. The computer is on and connected to the company's network. The forensic investigator arrives at the scene.

Which action should be the investigator's first step?

- A. Run malware removal tools
- B. Copy files to external media
- C. Unplug the computer's Ethernet cable
- D. Turn off the computer

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Disconnecting the computer from the network by unplugging the Ethernet cable prevents further spread of malware and stops external communication that could lead to data exfiltration. This containment step is vital before further evidence collection.

* Maintaining system power preserves volatile memory.

* Network disconnection is recommended by incident response guidelines.

Reference:NIST SP 800-61 recommends isolating affected systems from networks early in incident response.

NEW QUESTION # 16

Thomas received an email stating he needed to follow a link and verify his bank account information to ensure it was secure. Shortly after following the instructions, Thomas noticed money was missing from his account.

Which digital evidence should be considered to determine how Thomas' account information was compromised?

- A. Firewall logs
- B. Browser cache
- C. Email messages
- D. Bank transaction logs

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The email messages, including headers and content, contain information about the phishing attempt, such as sender details and embedded links. Analyzing these messages can help trace the source of the scam and determine the method used to deceive the victim.

* Email headers provide metadata for tracking the origin.

* Forensic examination of emails is fundamental in investigating social engineering and phishing attacks.

Reference:NIST SP 800-101 and forensic email analysis protocols recommend thorough email message examination in phishing investigations.

NEW QUESTION # 17

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