

# Latest Digital-Forensics-in-Cybersecurity Practice Materials - Digital-Forensics-in-Cybersecurity Exam Registration

**WGU D431 DIGITAL FORENSICS IN CYBERSECURITY**  
**EXAM 2024 COMPLETE QUESTIONS AND**  
**ANSWERS//LATEST UPDATE**

*Question 1:*

What is the primary purpose of digital forensics? A) To secure a network against intrusions  
B) To collect, analyze, and preserve electronic evidence  
C) To create new cybersecurity policies  
D) To train employees on cybersecurity best practices  
**Answer: B**

*Question 2:*

Which of the following is considered volatile data in digital forensics?  
A) Hard drive contents  
B) RAM contents  
C) USB drive data  
D) Cloud storage files  
**Answer: B**

*Question 3:*

What is the first step in the digital forensic process? A) Analysis  
B) Collection  
C) Examination  
D) Reporting  
**Answer: B**

*Question 4:*

Which file system is commonly used by Windows operating systems?  
A) HFS+  
B) EXT4

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

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>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.</li></ul>

Topic 2	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>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.</li> </ul>

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## Digital-Forensics-in-Cybersecurity Exam Registration, Real Digital-Forensics-in-Cybersecurity Torrent

It is hard to scrutinize the Digital Forensics in Cybersecurity (D431/C840) Course Exam (Digital-Forensics-in-Cybersecurity) exam, particularly assuming you have less time and the subjects are tremendous. You essentially have a baffled perspective toward it and some even consider not giving the Digital Forensics in Cybersecurity (D431/C840) Course Exam exam since they can't concentrate exactly as expected. WGU Digital-Forensics-in-Cybersecurity Exam they need time to cover each point and this is unimaginable considering how they are left with only a piece of a month to give the WGU Digital-Forensics-in-Cybersecurity exam.

## WGU Digital Forensics in Cybersecurity (D431/C840) Course Exam Sample Questions (Q18-Q23):

### NEW QUESTION # 18

How do forensic specialists show that digital evidence was handled in a protected, secure manner during the process of collecting and analyzing the evidence?

- A. By maintaining the chain of custody
- B. By deleting temporary files
- C. By encrypting all evidence
- D. By performing backups

**Answer: A**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The chain of custody is a documented, chronological record detailing the seizure, custody, control, transfer, analysis, and disposition of evidence. Maintaining this record proves that the evidence was protected and unaltered, which is essential for court admissibility.

\* Each transfer or access must be logged with date, time, and handler.

\* Breaks in the chain can compromise the legal validity of evidence.

Reference: According to NIST and forensic best practices, the chain of custody documentation is mandatory for reliable evidence handling.

### NEW QUESTION # 19

A company has identified that a hacker has modified files on one of the company's computers. The IT department has collected the storage media from the hacked computer.

Which evidence should be obtained from the storage media to identify which files were modified?

- A. Public IP addresses
- B. Operating system version
- C. Private IP addresses
- **D. File timestamps**

**Answer: D**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

File timestamps, including creation time, last modified time, and last accessed time, are fundamental metadata attributes stored with each file on a file system. When files are modified, these timestamps usually update, providing direct evidence about when changes occurred. Examining file timestamps helps forensic investigators identify which files were altered and estimate the time of unauthorized activity.

\* IP addresses (private or public) are network-related evidence, not stored on the storage media's files directly.

\* Operating system version is system information but does not help identify specific file modifications.

\* Analysis of file timestamps is a standard forensic technique endorsed by NIST SP 800-86 (Guide to Integrating Forensic Techniques into Incident Response) for determining file activity and changes on digital media.

#### NEW QUESTION # 20

A cybercriminal communicates with his compatriots using steganography. The FBI discovers that the criminal group uses white space to hide data in photographs.

Which tool can the cybercriminals use to facilitate this type of communication?

- A. QuickStego
- B. Steganophony
- **C. Snow**
- D. Wolf

**Answer: C**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Snow is a tool that encodes hidden messages using whitespace characters (spaces and tabs), which can be embedded in text and sometimes in image file metadata or formats that allow invisible characters. It is commonly used to hide data in plain sight, including within digital images.

\* Steganophony focuses on hiding data in VoIP.

\* Wolf is not recognized as a steganography tool for whitespace.

\* QuickStego is another tool for text-based steganography but less commonly associated with whitespace specifically.

Forensic and cybersecurity literature often cites Snow as the preferred tool for whitespace-based steganography.

#### NEW QUESTION # 21

Which file stores local Windows passwords in the Windows\System32\ directory and is subject to being cracked by using a live CD?

- **A. SAM**
- B. Ntldr
- C. IPsec
- D. HAL

**Answer: A**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The SAM (Security Account Manager) file located in the Windows\System32\config directory stores hashed local user account passwords. It can be accessed and extracted using a live CD or bootable forensic tool, which allows the forensic investigator to

bypass the running operating system and avoid altering the evidence.

\* IPsec is related to network security policies, not password storage.

\* HAL (Hardware Abstraction Layer) is a system file managing hardware interaction.

\* Ntldr is a boot loader file in Windows NT systems.

Cracking password hashes extracted from the SAM file is a common forensic practice to recover user passwords during investigations.

Reference: NIST Special Publication 800-86 and Windows forensic textbooks confirm that the SAM file is the repository of local password hashes accessible via forensic live CDs or imaging.

## NEW QUESTION # 22

Which rule is used for conducting electronic surveillance?

- **A. Telecommunications equipment must have built-in surveillance capabilities for law enforcement.**
- B. Using a misleading domain name to deceive a person into viewing obscene material shall result in fines or imprisonment.
- C. All commercial email must provide an opt-out mechanism.
- D. All documents related to health informatics should be stored in perpetuity.

**Answer: A**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

This describes the Communications Assistance to Law Enforcement Act (CALEA) requirement that telecommunications equipment and services include built-in capabilities that allow authorized law enforcement surveillance, including electronic monitoring and wiretapping.

\* CALEA mandates lawful intercept capabilities in telecommunications infrastructure.

\* It ensures that digital and VoIP communications can be monitored under proper legal warrant.

\* This rule supports modern digital evidence gathering and real-time surveillance operations.

Reference: CALEA is repeatedly cited in forensic and cybersecurity legal documentation as the governing rule for digital and electronic surveillance capabilities.

## NEW QUESTION # 23

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