

312-49v10 Dumps

Computer Hacking Forensic Investigator (CHFI-v10)

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NEW QUESTION 1

- (Exam Topic 1)

You are the security analyst working for a private company out of France. Your current assignment is to obtain credit card information from a Swiss bank owned by that company. After initial reconnaissance, you discover that the bank security defenses are very strong and would take too long to penetrate. You decide to get the information by monitoring the traffic between the bank and one of its subsidiaries in London. After monitoring some of the traffic, you see a lot of FTP packets traveling back and forth. You want to sniff the traffic and extract usernames and passwords. What tool could you use to get this information?

- A. Airsnort
- B. Snort
- C. Ettercap
- D. RaidSniff

Answer: C

NEW QUESTION 2

- (Exam Topic 1)

George is a senior security analyst working for a state agency in Florida. His state's congress just passed a bill mandating every state agency to undergo a security audit annually. After learning what will be required, George needs to implement an IDS as soon as possible before the first audit occurs. The state bill requires that an IDS with a "time-based induction machine" be used.

What IDS feature must George implement to meet this requirement?

- A. Signature-based anomaly detection
- B. Pattern matching
- C. Real-time anomaly detection
- D. Statistical-based anomaly detection

Answer: C

NEW QUESTION 3

- (Exam Topic 1)

George is performing security analysis for Hammond and Sons LLC. He is testing security vulnerabilities of their wireless network. He plans on remaining as "stealthy" as possible during the scan. Why would a scanner like Nessus is not recommended in this situation?

- A. Nessus is too loud
- B. Nessus cannot perform wireless testing
- C. Nessus is not a network scanner
- D. There are no ways of performing a "stealthy" wireless scan

Answer: A

NEW QUESTION 4

- (Exam Topic 1)

Windows identifies which application to open a file with by examining which of the following?

- A. The File extension
- B. The file attributes
- C. The file Signature at the end of the file
- D. The file signature at the beginning of the file

Answer: A

NEW QUESTION 5

- (Exam Topic 1)

Chris has been called upon to investigate a hacking incident reported by one of his clients. The company suspects the involvement of an insider accomplice in the attack. Upon reaching the incident scene, Chris secures the physical area, records the scene using visual media. He shuts the system down by pulling the power plug so that he does not disturb the system in any way. He labels all cables and connectors prior to disconnecting any. What do you think would be the next sequence of events?

- A. Connect the target media; prepare the system for acquisition; Secure the evidence; Copy the media
- B. Prepare the system for acquisition; Connect the target media; copy the media; Secure the evidence
- C. Connect the target media; Prepare the system for acquisition; Secure the evidence; Copy the media
- D. Secure the evidence; prepare the system for acquisition; Connect the target media; copy the media

Answer: B

NEW QUESTION 6

- (Exam Topic 1)

What is kept in the following directory? HKLM\SECURITY\Policy\Secrets

- A. Cached password hashes for the past 20 users
- B. Service account passwords in plain text
- C. IAS account names and passwords
- D. Local store PKI Kerberos certificates

Answer: B

NEW QUESTION 7

- (Exam Topic 1)

You have completed a forensic investigation case. You would like to destroy the data contained in various disks at the forensics lab due to sensitivity of the case. How would you permanently erase the data on the hard disk?

- A. Throw the hard disk into the fire
- B. Run the powerful magnets over the hard disk
- C. Format the hard disk multiple times using a low level disk utility
- D. Overwrite the contents of the hard disk with Junk data

Answer: A

NEW QUESTION 8

- (Exam Topic 1)

Jason is the security administrator of ACMA metal Corporation. One day he notices the company's Oracle database server has been compromised and the customer information along with financial data has been stolen. The financial loss will be in millions of dollars if the database gets into the hands of the competitors. Jason wants to report this crime to the law enforcement agencies immediately.

Which organization coordinates computer crimes investigations throughout the United States?

- A. Internet Fraud Complaint Center
- B. Local or national office of the U.
- C. Secret Service
- D. National Infrastructure Protection Center
- E. CERT Coordination Center

Answer: B

NEW QUESTION 9

- (Exam Topic 1)

On Linux/Unix based Web servers, what privilege should the daemon service be run under?

- A. Guest
- B. Root
- C. You cannot determine what privilege runs the daemon service
- D. Something other than root

Answer: D

NEW QUESTION 10

- (Exam Topic 1)

A state department site was recently attacked and all the servers had their disks erased. The incident response team sealed the area and commenced investigation. During evidence collection they came across a zip disks that did not have the standard labeling on it. The incident team ran the disk on an isolated system and found that the system disk was accidentally erased. They decided to call in the FBI for further investigation. Meanwhile, they short listed possible suspects including three summer interns. Where did the incident team go wrong?

- A. They examined the actual evidence on an unrelated system
- B. They attempted to implicate personnel without proof
- C. They tampered with evidence by using it
- D. They called in the FBI without correlating with the fingerprint data

Answer: C

NEW QUESTION 10

- (Exam Topic 1)

You are working as an independent computer forensics investigator and received a call from a systems administrator for a local school system requesting your assistance. One of the students at the local high school is suspected of downloading inappropriate images from the Internet to a PC in the Computer lab. When you arrive at the school, the systems administrator hands you a hard drive and tells you that he made a “simple backup copy” of the hard drive in the PC and put it on this drive and requests that you examine that drive for evidence of the suspected images. You inform him that a “simple backup copy” will not provide deleted files or recover file fragments.

What type of copy do you need to make to ensure that the evidence found is complete and admissible in future proceeding?

- A. Bit-stream Copy
- B. Robust Copy
- C. Full backup Copy
- D. Incremental Backup Copy

Answer: C

NEW QUESTION 11

- (Exam Topic 2)

What technique is used by JPEGs for compression?

- A. ZIP
- B. TCD
- C. DCT
- D. TIFF-8

Answer: C

NEW QUESTION 13

- (Exam Topic 2)

John is working as a computer forensics investigator for a consulting firm in Canada. He is called to seize a computer at a local web caf purportedly used as a botnet server. John thoroughly scans the computer and finds nothing that would lead him to think the computer was a botnet server. John decides to scan the virtual memory of the computer to possibly find something he had missed. What information will the virtual memory scan produce?

- A. It contains the times and dates of when the system was last patched
- B. It is not necessary to scan the virtual memory of a computer
- C. It contains the times and dates of all the system files
- D. Hidden running processes

Answer: D

NEW QUESTION 15

- (Exam Topic 2)

Which of the following commands shows you the names of all open shared files on a server and the number of file locks on each file?

- A. Net config
- B. Net file
- C. Net share
- D. Net sessions

Answer: B

NEW QUESTION 18

- (Exam Topic 1)

What binary coding is used most often for e-mail purposes?

- A. MIME
- B. Uuencode
- C. IMAP
- D. SMTP

Answer: A

NEW QUESTION 20

- (Exam Topic 1)

Lance wants to place a honeypot on his network. Which of the following would be your recommendations?

- A. Use a system that has a dynamic addressing on the network
- B. Use a system that is not directly interacting with the router
- C. Use it on a system in an external DMZ in front of the firewall
- D. It doesn't matter as all replies are faked

Answer: D

NEW QUESTION 21

- (Exam Topic 1)

You setup SNMP in multiple offices of your company. Your SNMP software manager is not receiving data from other offices like it is for your main office. You suspect that firewall changes are to blame. What ports should you open for SNMP to work through Firewalls? (Choose two.)

- A. 162
- B. 161
- C. 163
- D. 160

Answer: AB

NEW QUESTION 22

- (Exam Topic 1)

You are a security analyst performing reconnaissance on a company you will be carrying out a penetration test for. You conduct a search for IT jobs on Dice.com and find the following information for an open position: 7+ years experience in Windows Server environment 5+ years experience in Exchange 2000/2003 environment Experience with Cisco Pix Firewall, Linksys 1376 router, Oracle 11i and MYOB v3.4 Accounting software are required MCSA desired, MCSE, CEH preferred No Unix/Linux Experience needed What is this information posted on the job website considered?

- A. Social engineering exploit
- B. Competitive exploit
- C. Information vulnerability
- D. Trade secret

Answer: C

NEW QUESTION 27

- (Exam Topic 1)

When investigating a network that uses DHCP to assign IP addresses, where would you look to determine which system (MAC address) had a specific IP address at a specific time?

- A. on the individual computer's ARP cache
- B. in the Web Server log files
- C. in the DHCP Server log files
- D. there is no way to determine the specific IP address

Answer: C

NEW QUESTION 32

- (Exam Topic 1)

The use of warning banners helps a company avoid litigation by overcoming an employee assumed _____. When connecting to the company's intranet, network or Virtual Private Network(VPN) and will allow the company's investigators to monitor, search and retrieve information stored within the network.

- A. Right to work
- B. Right of free speech
- C. Right to Internet Access
- D. Right of Privacy

Answer: D

NEW QUESTION 36

- (Exam Topic 1)

Which part of the Windows Registry contains the user's password file?

- A. HKEY_LOCAL_MACHINE
- B. HKEY_CURRENT_CONFIGURATION
- C. HKEY_USER
- D. HKEY_CURRENT_USER

Answer: A

NEW QUESTION 39

- (Exam Topic 1)

You are assisting a Department of Defense contract company to become compliant with the stringent security policies set by the DoD. One such strict rule is that firewalls must only allow incoming connections that were first initiated by internal computers. What type of firewall must you implement to abide by this policy?

- A. Packet filtering firewall
- B. Circuit-level proxy firewall
- C. Application-level proxy firewall
- D. Stateful firewall

Answer: D

NEW QUESTION 42

- (Exam Topic 1)

If you plan to startup a suspect's computer, you must modify the to ensure that you do not contaminate or alter data on the suspect's hard drive by booting to the hard drive.

- A. deltree command
- B. CMOS
- C. Boot.sys
- D. Scandisk utility

Answer: C

NEW QUESTION 44

- (Exam Topic 1)

When investigating a Windows System, it is important to view the contents of the page or swap file because:

- A. Windows stores all of the systems configuration information in this file
- B. This is file that windows use to communicate directly with Registry
- C. A Large volume of data can exist within the swap file of which the computer user has no knowledge
- D. This is the file that windows use to store the history of the last 100 commands that were run from the command line

Answer: C

NEW QUESTION 45

- (Exam Topic 1)

You are called by an author who is writing a book and he wants to know how long the copyright for his book will last after he has the book published?

- A. 70 years
- B. the life of the author
- C. the life of the author plus 70 years
- D. copyrights last forever

Answer: C

NEW QUESTION 47

- (Exam Topic 1)

Melanie was newly assigned to an investigation and asked to make a copy of all the evidence from the compromised system. Melanie did a DOS copy of all the files on the system. What would be the primary reason for you to recommend a disk imaging tool?

- A. A disk imaging tool would check for CRC32s for internal self-checking and validation and have MD5 checksum
- B. Evidence file format will contain case data entered by the examiner and encrypted at the beginning of the evidence file
- C. A simple DOS copy will not include deleted files, file slack and other information
- D. There is no case for an imaging tool as it will use a closed, proprietary format that if compared to the original will not match up sector for sector

Answer: C

NEW QUESTION 50

- (Exam Topic 1)

What happens when a file is deleted by a Microsoft operating system using the FAT file system?

- A. only the reference to the file is removed from the FAT
- B. the file is erased and cannot be recovered
- C. a copy of the file is stored and the original file is erased
- D. the file is erased but can be recovered

Answer: A

NEW QUESTION 53

- (Exam Topic 1)

To preserve digital evidence, an investigator should .

- A. Make two copies of each evidence item using a single imaging tool
- B. Make a single copy of each evidence item using an approved imaging tool
- C. Make two copies of each evidence item using different imaging tools
- D. Only store the original evidence item

Answer: C

NEW QUESTION 57

- (Exam Topic 1)

You are working in the security Department of law firm. One of the attorneys asks you about the topic of sending fake email because he has a client who has been charged with doing just that. His client alleges that he is innocent and that there is no way for a fake email to actually be sent. You inform the attorney that his client is mistaken and that fake email is possibility and that you can prove it. You return to your desk and craft a fake email to the attorney that appears to come from his boss. What port do you send the email to on the company SMTP server?

- A. 10
- B. 25
- C. 110
- D. 135

Answer: B

NEW QUESTION 59

- (Exam Topic 1)

What does the acronym POST mean as it relates to a PC?

- A. Primary Operations Short Test
- B. PowerOn Self Test
- C. Pre Operational Situation Test
- D. Primary Operating System Test

Answer: B

NEW QUESTION 63

- (Exam Topic 1)

When investigating a potential e-mail crime, what is your first step in the investigation?

- A. Trace the IP address to its origin
- B. Write a report
- C. Determine whether a crime was actually committed
- D. Recover the evidence

Answer: A

NEW QUESTION 67

- (Exam Topic 1)

Which Intrusion Detection System (IDS) usually produces the most false alarms due to the unpredictable behaviors of users and networks?

- A. network-based IDS systems (NIDS)
- B. host-based IDS systems (HIDS)
- C. anomaly detection

Answer: B

- (Exam Topic 1)

- A. Any data not yet flushed to the system will be lost
- B. All running processes will be lost
- C. The /tmp directory will be flushed
- D. Power interruption will corrupt the pagefile

Answer: A

- (Exam Topic 1)

- A. Social Validation
- B. Scarcity
- C. Friendship/Liking
- D. Reciprocation

Answer: D

- (Exam Topic 1)

A. Globally unique ID
B. Microsoft Virtual Machine Identifier
C. Personal Application Protocol
D. Individual ASCII string

Answer: A

- (Exam Topic 1)

B. The attacker has scanned and exploited the system using Buffer Overflow

Answer: A

- (Exam Topic 1)

- A. Inculpatory evidence
- B. Mandatory evidence
- C. Exculpatory evidence

D. Terrible evidence

Answer: C

NEW QUESTION 82

- (Exam Topic 1)

Volatile Memory is one of the leading problems for forensics. Worms such as code Red are memory resident and do write themselves to the hard drive, if you turn the system off they disappear. In a lab environment, which of the following options would you suggest as the most appropriate to overcome the problem of capturing volatile memory?

- A. Use VMware to be able to capture the data in memory and examine it
- B. Give the Operating System a minimal amount of memory, forcing it to use a swap file
- C. Create a Separate partition of several hundred megabytes and place the swap file there
- D. Use intrusion forensic techniques to study memory resident infections

Answer: C

NEW QUESTION 84

- (Exam Topic 1)

Harold is a security analyst who has just run the `rdisk /s` command to grab the backup SAM files on a computer. Where should Harold navigate on the computer to find the file?

- A. %systemroot%\system32\LSA
- B. %systemroot%\system32\drivers\etc
- C. %systemroot%\repair
- D. %systemroot%\LSA

Answer: C

NEW QUESTION 87

- (Exam Topic 1)

Harold wants to set up a firewall on his network but is not sure which one would be the most appropriate. He knows he needs to allow FTP traffic to one of the servers on his network, but he wants to only allow FTP-PUT. Which firewall would be most appropriate for Harold? needs?

- A. Circuit-level proxy firewall
- B. Packet filtering firewall
- C. Application-level proxy firewall
- D. Data link layer firewall

Answer: C

NEW QUESTION 92

- (Exam Topic 1)

Larry is an IT consultant who works for corporations and government agencies. Larry plans on shutting down the city's network using BGP devices and zombies? What type of Penetration Testing is Larry planning to carry out?

- A. Router Penetration Testing
- B. DoS Penetration Testing
- C. Firewall Penetration Testing
- D. Internal Penetration Testing

Answer: B

NEW QUESTION 94

- (Exam Topic 1)

Which of the following should a computer forensics lab used for investigations have?

- A. isolation
- B. restricted access
- C. open access
- D. an entry log

Answer: B

NEW QUESTION 98

- (Exam Topic 1)

How many bits is Source Port Number in TCP Header packet?

- A. 16
- B. 32
- C. 48
- D. 64

Answer: A

NEW QUESTION 100

- (Exam Topic 1)

Harold is a web designer who has completed a website for ghttech.net. As part of the maintenance agreement he signed with the client, Harold is performing research online and seeing how much exposure the site has received so far. Harold navigates to google.com and types in the following search.

link:www.ghttech.net What will this search produce?

- A. All sites that ghttech.net links to
- B. All sites that link to ghttech.net
- C. All search engines that link to .net domains
- D. Sites that contain the code: link:www.ghttech.net

Answer: B

NEW QUESTION 102

- (Exam Topic 1)

Which is a standard procedure to perform during all computer forensics investigations?

- A. with the hard drive removed from the suspect PC, check the date and time in the system's CMOS
- B. with the hard drive in the suspect PC, check the date and time in the File Allocation Table
- C. with the hard drive removed from the suspect PC, check the date and time in the system's RAM
- D. with the hard drive in the suspect PC, check the date and time in the system's CMOS

Answer: A

NEW QUESTION 105

- (Exam Topic 1)

You are a security analyst performing a penetration tests for a company in the Midwest. After some initial reconnaissance, you discover the IP addresses of some Cisco routers used by the company. You type in the following URL that includes the IP address of one of the routers:

http://172.168.4.131/level/99/exec/show/config

After typing in this URL, you are presented with the entire configuration file for that router. What have you discovered?

- A. HTTP Configuration Arbitrary Administrative Access Vulnerability
- B. HTML Configuration Arbitrary Administrative Access Vulnerability
- C. Cisco IOS Arbitrary Administrative Access Online Vulnerability
- D. URL Obfuscation Arbitrary Administrative Access Vulnerability

Answer: A

NEW QUESTION 106

- (Exam Topic 1)

You are called in to assist the police in an investigation involving a suspected drug dealer. The suspects house was searched by the police after a warrant was obtained and they located a floppy disk in the suspects bedroom. The disk contains several files, but they appear to be password protected. What are two common methods used by password cracking software that you can use to obtain the password?

- A. Limited force and library attack
- B. Brute Force and dictionary Attack
- C. Maximum force and thesaurus Attack
- D. Minimum force and appendix Attack

Answer: B

NEW QUESTION 110

- (Exam Topic 1)

When you carve an image, recovering the image depends on which of the following skills?

- A. Recognizing the pattern of the header content
- B. Recovering the image from a tape backup
- C. Recognizing the pattern of a corrupt file
- D. Recovering the image from the tape backup

Answer: A

NEW QUESTION 112

- (Exam Topic 1)

What is the target host IP in the following command?

- A. 172.16.28.95
- B. 10.10.150.1
- C. Firewalk does not scan target hosts
- D. This command is using FIN packets, which cannot scan target hosts

Answer: A

NEW QUESTION 115

- (Exam Topic 1)

John and Hillary works at the same department in the company. John wants to find out Hillary's network password so he can take a look at her documents on the file server. He enables Lophtrcrack program to sniffing mode. John sends Hillary an email with a link to Error! Reference source not found. What information will he

be able to gather from this?

- A. Hillary network username and password hash
- B. The SID of Hillary network account
- C. The SAM file from Hillary computer
- D. The network shares that Hillary has permissions

Answer: A

NEW QUESTION 120

- (Exam Topic 1)

Which response organization tracks hoaxes as well as viruses?

- A. NIPC
- B. FEDCIRC
- C. CERT
- D. CIAC

Answer: D

NEW QUESTION 122

- (Exam Topic 1)

How many characters long is the fixed-length MD5 algorithm checksum of a critical system file?

- A. 128
- B. 64
- C. 32
- D. 16

Answer: C

NEW QUESTION 124

- (Exam Topic 1)

What is the name of the Standard Linux Command that is also available as windows application that can be used to create bit-stream images?

- A. mcopy
- B. image
- C. MD5
- D. dd

Answer: D

NEW QUESTION 128

- (Exam Topic 1)

Bob has been trying to penetrate a remote production system for the past two weeks. This time however, he is able to get into the system. He was able to use the System for a period of three weeks. However, law enforcement agencies were recoding his every activity and this was later presented as evidence. The organization had used a Virtual Environment to trap Bob. What is a Virtual Environment?

- A. A Honeypot that traps hackers
- B. A system Using Trojaned commands
- C. An environment set up after the user logs in
- D. An environment set up before a user logs in

Answer: A

NEW QUESTION 133

- (Exam Topic 1)

Diskcopy is:

- A. a utility by AccessData
- B. a standard MS-DOS command
- C. Digital Intelligence utility
- D. dd copying tool

Answer: B

Explanation:

diskcopy is a STANDARD DOS utility. C:\WINDOWS>diskcopy /? Copies the contents of one floppy disk to another.

NEW QUESTION 136

- (Exam Topic 1)

The refers to handing over the results of private investigations to the authorities because of indications of criminal activity.

- A. Locard Exchange Principle
- B. Clark Standard
- C. Kelly Policy
- D. Silver-Platter Doctrine

Answer: D

NEW QUESTION 140

- (Exam Topic 1)

What type of file is represented by a colon (:) with a name following it in the Master File Table of NTFS disk?

- A. A compressed file
- B. A Data stream file
- C. An encrypted file
- D. A reserved file

Answer: B

NEW QUESTION 143

- (Exam Topic 1)

You work as a penetration tester for Hammond Security Consultants. You are currently working on a contract for the state government of California. Your next step is to initiate a DoS attack on their network. Why would you want to initiate a DoS attack on a system you are testing?

- A. Show outdated equipment so it can be replaced
- B. List weak points on their network
- C. Use attack as a launching point to penetrate deeper into the network
- D. Demonstrate that no system can be protected against DoS attacks

Answer: B

NEW QUESTION 144

- (Exam Topic 1)

Which of the following refers to the data that might still exist in a cluster even though the original file has been overwritten by another file?

- A. Sector
- B. Metadata
- C. MFT
- D. Slack Space

Answer: D

NEW QUESTION 148

- (Exam Topic 1)

You are carrying out the last round of testing for your new website before it goes live. The website has many dynamic pages and connects to a SQL backend that accesses your product inventory in a database. You come across a web security site that recommends inputting the following code into a search field on web pages to check for vulnerabilities: When you type this and click on search, you receive a pop-up window that says: "This is a test."
What is the result of this test?

- A. Your website is vulnerable to CSS
- B. Your website is not vulnerable
- C. Your website is vulnerable to SQL injection
- D. Your website is vulnerable to web bugs

Answer: A

NEW QUESTION 152

- (Exam Topic 1)

Jason has set up a honeypot environment by creating a DMZ that has no physical or logical access to his production network. In this honeypot, he has placed a server running Windows Active Directory. He has also placed a Web server in the DMZ that services a number of web pages that offer visitors a chance to download sensitive information by clicking on a button. A week later, Jason finds in his network logs how an intruder accessed the honeypot and downloaded sensitive information. Jason uses the logs to try and prosecute the intruder for stealing sensitive corporate information. Why will this not be viable?

- A. Entrapment
- B. Enticement
- C. Intruding into a honeypot is not illegal
- D. Intruding into a DMZ is not illegal

Answer: A

NEW QUESTION 155

- (Exam Topic 1)

When obtaining a warrant, it is important to:

- A. particularly describe the place to be searched and particularly describe the items to be seized
- B. generally describe the place to be searched and particularly describe the items to be seized
- C. generally describe the place to be searched and generally describe the items to be seized
- D. particularly describe the place to be searched and generally describe the items to be seized

Answer: A

NEW QUESTION 159

- (Exam Topic 1)

This organization maintains a database of hash signatures for known software.

- A. International Standards Organization
- B. Institute of Electrical and Electronics Engineers
- C. National Software Reference Library
- D. American National standards Institute

Answer: C

NEW QUESTION 163

- (Exam Topic 1)

With the standard Linux second extended file system (Ext2fs), a file is deleted when the inode internal link count reaches .

- A. 10
- B. 100
- C. 1

Answer: A

NEW QUESTION 164

- (Exam Topic 1)

What header field in the TCP/IP protocol stack involves the hacker exploit known as the Ping of Death?

- A. ICMP header field
- B. TCP header field
- C. IP header field
- D. UDP header field

Answer: B

NEW QUESTION 165

- (Exam Topic 1)

An Expert witness give an opinion if:

- A. The Opinion, inferences or conclusions depend on special knowledge, skill or training not within the ordinary experience of lay jurors
- B. To define the issues of the case for determination by the finder of fact
- C. To stimulate discussion between the consulting expert and the expert witness
- D. To deter the witness from expanding the scope of his or her investigation beyond the requirements of the case

Answer: A

NEW QUESTION 168

- (Exam Topic 4)

During a forensic investigation, a large number of files were collected. The investigator needs to evaluate ownership and accountability of those files. Therefore, he begins to identify attributes such as "author name," "organization name," "network name," or any additional supporting data that is meant for the owner's identification purpose. Which term describes these attributes?

- A. Data header
- B. Data index
- C. Metabase
- D. Metadata

Answer: D

NEW QUESTION 172

- (Exam Topic 4)

Adam is thinking of establishing a hospital in the US and approaches John, a software developer to build a site and host it for him on one of the servers, which would be used to store patient health records. He has learned from his legal advisors that he needs to have the server's log data reviewed and managed according to certain standards and regulations. Which of the following regulations are the legal advisors referring to?

- A. Data Protection Act of 2018
- B. Payment Card Industry Data Security Standard (PCI DSS)
- C. Electronic Communications Privacy Act
- D. Health Insurance Portability and Accountability Act of 1996 (HIPAA)

Answer: D

NEW QUESTION 175

- (Exam Topic 4)

This law sets the rules for commercial email, establishes requirements for commercial messages, gives recipients the right to have you stop emailing them, and spells out tough penalties for violations.

- A. The CAN-SPAM act
- B. Federal Spam act
- C. Telemarketing act
- D. European Anti-Spam act

Answer: A

NEW QUESTION 176

- (Exam Topic 4)

To which phase of the computer forensics investigation process does "planning and budgeting of a forensics lab" belong?

- A. Post-investigation phase
- B. Reporting phase
- C. Pre-investigation phase
- D. Investigation phase

Answer: C

NEW QUESTION 177

- (Exam Topic 4)

Which of the following statements is true with respect to SSDs (solid-state drives)?

- A. Like HDD
- B. SSDs also have moving parts
- C. SSDs cannot store non-volatile data
- D. SSDs contain tracks, clusters, and sectors to store data
- E. Faster data access, lower power usage, and higher reliability are some of the major advantages of SSDs over HDDs

Answer: D

NEW QUESTION 181

- (Exam Topic 4)

In Java, when multiple applications are launched, multiple Dalvik Virtual Machine instances occur that consume memory and time. To avoid that, Android implements a process that enables low memory consumption and quick start-up time. What is the process called?

- A. init
- B. Media server
- C. Zygote
- D. Daemon

Answer: C

NEW QUESTION 185

- (Exam Topic 4)

Which of the following statements pertaining to First Response is true?

- A. First Response is a part of the investigation phase
- B. First Response is a part of the post-investigation phase
- C. First Response is a part of the pre-investigation phase
- D. First Response is neither a part of pre-investigation phase nor a part of investigation phase
- E. It only involves attending to a crime scene first and taking measures that assist forensic investigators in executing their tasks in the investigation phase more efficiently

Answer: A

NEW QUESTION 187

- (Exam Topic 4)

What happens to the header of the file once it is deleted from the Windows OS file systems?

- A. The OS replaces the first letter of a deleted file name with a hex byte code: E5h
- B. The OS replaces the entire hex byte coding of the file.
- C. The hex byte coding of the file remains the same, but the file location differs
- D. The OS replaces the second letter of a deleted file name with a hex byte code: Eh5

Answer: A

NEW QUESTION 190

- (Exam Topic 4)

You are an information security analyst at a large pharmaceutical company. While performing a routine review of audit logs, you have noticed a significant amount of egress traffic to various IP addresses on destination port 22 during off-peak hours. You researched some of the IP addresses and found that many of them are in Eastern Europe. What is the most likely cause of this traffic?

- A. Malicious software on internal system is downloading research data from partner SFTP servers in Eastern Europe
- B. Internal systems are downloading automatic Windows updates
- C. Data is being exfiltrated by an advanced persistent threat (APT)
- D. The organization's primary internal DNS server has been compromised and is performing DNS zone transfers to malicious external entities

Answer: C

NEW QUESTION 193

- (Exam Topic 4)

A file requires 10 KB space to be saved on a hard disk partition. An entire cluster of 32 KB has been allocated for this file. The remaining, unused space of 22 KB on this cluster will be Identified as .

- A. Swap space
- B. Cluster space
- C. Slack space
- D. Sector space

Answer: D

NEW QUESTION 194

- (Exam Topic 4)

What is the extension used by Windows OS for shortcut files present on the machine?

- A. .log
- B. .pf
- C. .lnk
- D. .dat

Answer: C

NEW QUESTION 199

- (Exam Topic 4)

A call detail record (CDR) provides metadata about calls made over a phone service. From the following data fields, which one is not contained in a CDR.

- A. The call duration
- B. A unique sequence number identifying the record
- C. The language of the call
- D. Phone number receiving the call

Answer: C

NEW QUESTION 202

- (Exam Topic 4)

Brian has the job of analyzing malware for a software security company. Brian has setup a virtual environment that includes virtual machines running various versions of OSes. Additionally, Brian has setup separated virtual networks within this environment. The virtual environment does not connect to the company's intranet nor does it connect to the external Internet. With everything setup, Brian now received an executable file from a client that has undergone a cyberattack. Brian ran the executable file in the virtual environment to see what it would do. What type of analysis did Brian perform?

- A. Static malware analysis
- B. Status malware analysis
- C. Dynamic malware analysis
- D. Static OS analysis

Answer: C

NEW QUESTION 205

- (Exam Topic 4)

James, a forensics specialist, was tasked with investigating a Windows XP machine that was used for malicious online activities. During the investigation, he recovered certain deleted files from Recycle Bin to identify attack clues. Identify the location of Recycle Bin in Windows XP system.

- A. Drive:\\$Recycle.Bin\
- B. local/sha re/Trash
- C. Drive:\RECYCLER\
- D. Drive\ARECYCLED

Answer: C

NEW QUESTION 207

- (Exam Topic 4)

"To ensure that the digital evidence is collected, preserved, examined, or transferred in a manner safeguarding the accuracy and reliability of the evidence, law enforcement, and forensics organizations must establish and maintain an effective quality system." Is a principle established by:

- A. NCIS
- B. NIST
- C. EC-Council
- D. SWGDE

Answer: B

NEW QUESTION 212

- (Exam Topic 4)

Harry has collected a suspicious executable file from an infected system and seeks to reverse its machine code to instructions written in assembly language. Which tool should he use for this purpose?

- A. Ollydbg
- B. oledump
- C. HashCalc
- D. BinText

Answer: A

NEW QUESTION 215

- (Exam Topic 4)

A cybercriminal is attempting to remove evidence from a Windows computer. He deletes the file evldence1.doc. sending it to Windows Recycle Bin. The cybercriminal then empties the Recycle Bin. After having been removed from the Recycle Bin. what will happen to the data?

- A. The data will remain in its original clusters until it is overwritten
- B. The data will be moved to new clusters in unallocated space
- C. The data will become corrupted, making it unrecoverable
- D. The data will be overwritten with zeroes

Answer: A

NEW QUESTION 217

- (Exam Topic 4)

Donald made an OS disk snapshot of a compromised Azure VM under a resource group being used by the affected company as a part of forensic analysis process. He then created a vhd file out of the snapshot and stored it in a file share and as a page blob as backup in a storage account under different region. What Is the next thing he should do as a security measure?

- A. Recommend changing the access policies followed by the company
- B. Delete the snapshot from the source resource group
- C. Delete the OS disk of the affected VM altogether
- D. Create another VM by using the snapshot

Answer: C

NEW QUESTION 221

- (Exam Topic 4)

Which of the following Windows event logs record events related to device drives and hardware changes?

- A. Forwarded events log
- B. System log
- C. Application log
- D. Security log

Answer: B

NEW QUESTION 224

- (Exam Topic 4)

Chloe is a forensic examiner who is currently cracking hashed passwords for a crucial mission and hopefully solve the case. She is using a lookup table used for recovering a plain text password from cipher text; it contains word list and brute-force list along with their computed hash values. Chloe Is also using a graphical generator that supports SHA1.

- * a. What password technique is being used?
- * b. What tool is Chloe using?

- A. Dictionary attack
- B. Cisco PIX
- C. Cain & Able
- D. Rten
- E. Brute-force
- F. MScache
- G. Rainbow Tables
- H. Winrtgen

Answer: D

NEW QUESTION 229

- (Exam Topic 4)

Edgar is part of the FBI's forensic media and malware analysis team; he Is analyzing a current malware and Is conducting a thorough examination of the suspect system, network, and other connected devices. Edgar's approach Is to execute the malware code to know how It Interacts with the host system and Its Impacts on It. He is also using a virtual machine and a sandbox environment.

What type of malware analysis is Edgar performing?

- A. Malware disassembly
- B. VirusTotal analysis
- C. Static analysis
- D. Dynamic malware analysis/behavioral analysis

Answer: D

NEW QUESTION 232

- (Exam Topic 4)

SO/IEC 17025 is an accreditation for which of the following:

- A. CHFI issuing agency
- B. Encryption
- C. Forensics lab licensing
- D. Chain of custody

Answer: C

NEW QUESTION 236

- (Exam Topic 4)

A clothing company has recently deployed a website on its latest product line to increase its conversion rate and base of customers. Andrew, the network administrator recently appointed by the company, has been assigned with the task of protecting the website from intrusion and vulnerabilities. Which of the following tool should Andrew consider deploying in this scenario?

- A. ModSecurity
- B. CryptaPix
- C. Recuva
- D. Kon-Boot

Answer: A

NEW QUESTION 237

- (Exam Topic 4)

"In exceptional circumstances, where a person finds it necessary to access original data held on a computer or on storage media, that person must be competent to do so and be able to explain his/her actions and the impact of those actions on the evidence, in the court." Which ACPO principle states this?

- A. Principle 1
- B. Principle 3
- C. Principle 4
- D. Principle 2

Answer: D

NEW QUESTION 238

- (Exam Topic 3)

Which of the following email headers specifies an address for mailer-generated errors, like "no such user" bounce messages, to go to (instead of the sender's address)?

- A. Mime-Version header
- B. Content-Type header
- C. Content-Transfer-Encoding header
- D. Errors-To header

Answer: D

NEW QUESTION 239

- (Exam Topic 3)

Which of the following standard represents a legal precedent regarding the admissibility of scientific examinations or experiments in legal cases?

- A. SWGDE & SWGIT
- B. Daubert
- C. Frye
- D. IOCE

Answer: C

NEW QUESTION 241

- (Exam Topic 3)

Which principle states that "anyone or anything, entering a crime scene takes something of the scene with them, and leaves something of themselves behind when they leave"?

- A. Locard's Exchange Principle
- B. Enterprise Theory of Investigation
- C. Locard's Evidence Principle
- D. Evidence Theory of Investigation

Answer: A

NEW QUESTION 245

- (Exam Topic 3)

Select the data that a virtual memory would store in a Windows-based system.

- A. Information or metadata of the files
- B. Documents and other files
- C. Application data

D. Running processes

Answer: D

NEW QUESTION 250

- (Exam Topic 3)

An investigator has found certain details after analysis of a mobile device. What can reveal the manufacturer information?

- A. Equipment Identity Register (EIR)
- B. Electronic Serial Number (ESN)
- C. International mobile subscriber identity (IMSI)
- D. Integrated circuit card identifier (ICCID)

Answer: B

NEW QUESTION 253

- (Exam Topic 3)

Raw data acquisition format creates of a data set or suspect drive.

- A. Segmented image files
- B. Simple sequential flat files
- C. Compressed image files
- D. Segmented files

Answer: B

NEW QUESTION 254

- (Exam Topic 3)

What is cold boot (hard boot)?

- A. It is the process of restarting a computer that is already in sleep mode
- B. It is the process of shutting down a computer from a powered-on or on state
- C. It is the process of restarting a computer that is already turned on through the operating system
- D. It is the process of starting a computer from a powered-down or off state

Answer: D

NEW QUESTION 258

- (Exam Topic 3)

A company's policy requires employees to perform file transfers using protocols which encrypt traffic. You suspect some employees are still performing file transfers using unencrypted protocols because the employees don't like changes. You have positioned a network sniffer to capture traffic from the laptops used by employees in the data ingest department. Using Wireshark to examine the captured traffic, which command can be used as a display filter to find unencrypted file transfers?

- A. tcp.port = 23
- B. tcp.port == 21
- C. tcp.port == 21 || tcp.port == 22
- D. tcp.port != 21

Answer: B

NEW QUESTION 261

- (Exam Topic 3)

What does the 56.58.152.114(445) denote in a Cisco router log?

Jun 19 23:25:46.125 EST: %SEC-4-IPACCESSLOGP: list internet-inbound denied udp 67.124.115.35(8084)

-> 56.58.152.114(445), 1 packet

- A. Source IP address
- B. None of the above
- C. Login IP address
- D. Destination IP address

Answer: D

NEW QUESTION 262

- (Exam Topic 3)

Which among the following U.S. laws requires financial institutions—companies that offer consumers financial products or services such as loans, financial or investment advice, or insurance—to protect their customers' information against security threats?

- A. SOX
- B. HIPAA
- C. GLBA
- D. FISMA

Answer: C

NEW QUESTION 267

- (Exam Topic 3)

Ron, a computer forensics expert, is investigating a case involving corporate espionage. He has recovered several mobile computing devices from the crime scene. One of the evidence that Ron possesses is a mobile phone from Nokia that was left in ON condition. Ron needs to recover the IMEI number of the device to establish the identity of the device owner. Which of the following key combinations can he use to recover the IMEI number?

- A. #*06*#
- B. *#06#
- C. #06#*
- D. *IMEI#

Answer: A

NEW QUESTION 272

- (Exam Topic 3)

Which of the following tool is used to locate IP addresses?

- A. SmartWhois
- B. Deep Log Analyzer
- C. Towelroot
- D. XRY LOGICAL

Answer: A

NEW QUESTION 277

- (Exam Topic 3)

Which of the following files store the MySQL database data permanently, including the data that had been deleted, helping the forensic investigator in examining the case and finding the culprit?

- A. mysql-bin
- B. mysql-log
- C. iblog
- D. ibdata1

Answer: D

NEW QUESTION 278

- (Exam Topic 3)

Which program uses different techniques to conceal a malware's code, thereby making it difficult for security mechanisms to detect or remove it?

- A. Dropper
- B. Packer
- C. Injector
- D. Obfuscator

Answer: D

NEW QUESTION 282

- (Exam Topic 3)

Gary is checking for the devices connected to USB ports of a suspect system during an investigation. Select the appropriate tool that will help him document all the connected devices.

- A. DevScan
- B. Devcon
- C. fsutil
- D. Reg.exe

Answer: B

NEW QUESTION 284

- (Exam Topic 3)

Which among the following laws emphasizes the need for each Federal agency to develop, document, and implement an organization-wide program to provide information security for the information systems that support its operations and assets?

- A. FISMA
- B. HIPAA
- C. GLBA
- D. SOX

Answer: A

NEW QUESTION 288

- (Exam Topic 3)

%3cscript%3ealert("XXXXXXXX")%3c/script%3e is a script obtained from a Cross-Site Scripting attack. What type of encoding has the attacker employed?

- A. Double encoding

- B. Hex encoding
- C. Unicode
- D. Base64

Answer: B

NEW QUESTION 293

- (Exam Topic 3)

companyXYZ has asked you to assess the security of their perimeter email gateway. From your office in New York you craft a specially formatted email message and send it across the Internet to an employee of CompanyXYZ. The employee of CompanyXYZ is aware.

- A. Source code review
- B. Reviewing the firewalls configuration
- C. Data items and vulnerability scanning
- D. Interviewing employees and network engineers

Answer: A

NEW QUESTION 295

- (Exam Topic 3)

Which of the following is a tool to reset Windows admin password?

- A. R-Studio
- B. Windows Password Recovery Bootdisk
- C. Windows Data Recovery Software
- D. TestDisk for Windows

Answer: B

NEW QUESTION 297

- (Exam Topic 3)

In Linux OS, different log files hold different information, which help the investigators to analyze various issues during a security incident. What information can the investigators obtain from the log file var/log/dmesg?

- A. Kernel ring buffer information
- B. All mail server message logs
- C. Global system messages
- D. Debugging log messages

Answer: A

NEW QUESTION 301

- (Exam Topic 3)

During an investigation of an XSS attack, the investigator comes across the term “[a-zA-Z0-9\%]” in analyzed evidence details. What is the expression used for?

- A. Checks for upper and lower-case alphanumeric string inside the tag, or its hex representation
- B. Checks for forward slash used in HTML closing tags, its hex or double-encoded hex equivalent
- C. Checks for opening angle bracket, its hex or double-encoded hex equivalent
- D. Checks for closing angle bracket, hex or double-encoded hex equivalent

Answer: B

NEW QUESTION 302

- (Exam Topic 3)

MAC filtering is a security access control methodology, where a is assigned to each network card to determine access to the network.

- A. 48-bit address
- B. 24-bit address
- C. 16-bit address
- D. 32-bit address

Answer: A

NEW QUESTION 303

- (Exam Topic 3)

Gill is a computer forensics investigator who has been called upon to examine a seized computer. This computer, according to the police, was used by a hacker who gained access to numerous banking institutions to steal customer information. After preliminary investigations, Gill finds in the computer's log files that the hacker was able to gain access to these banks through the use of Trojan horses. The hacker then used these Trojan horses to obtain remote access to the companies' domain controllers. From this point, Gill found that the hacker pulled off the SAM files from the domain controllers to then attempt and crack network passwords. What is the most likely password cracking technique used by this hacker to break the user passwords from the SAM files?

- A. Syllable attack
- B. Hybrid attack
- C. Brute force attack
- D. Dictionary attack

Answer: D

NEW QUESTION 304

- (Exam Topic 3)

Which of the following statements is incorrect when preserving digital evidence?

- A. Verify if the monitor is in on, off, or in sleep mode
- B. Turn on the computer and extract Windows event viewer log files
- C. Remove the plug from the power router or modem
- D. Document the actions and changes that you observe in the monitor, computer, printer, or in other peripherals

Answer: B

NEW QUESTION 305

- (Exam Topic 3)

Adam, a forensic analyst, is preparing VMs for analyzing a malware. Which of the following is NOT a best practice?

- A. Isolating the host device
- B. Installing malware analysis tools
- C. Using network simulation tools
- D. Enabling shared folders

Answer: D

NEW QUESTION 306

- (Exam Topic 3)

POP3 is an Internet protocol, which is used to retrieve emails from a mail server. Through which port does an email client connect with a POP3 server?

- A. 110
- B. 143
- C. 25
- D. 993

Answer: A

NEW QUESTION 308

- (Exam Topic 3)

Consider that you are investigating a machine running an Windows OS released prior to Windows Vista. You are trying to gather information about the deleted files by examining the master database file named INFO2 located at C:\Recycler\<USER SID>\. You read an entry named "Dd5.exe". What does Dd5.exe mean?

- A. D driv
- B. fifth file deleted, a .exe file
- C. D drive, fourth file restored, a .exe file
- D. D drive, fourth file deleted, a .exe file
- E. D drive, sixth file deleted, a .exe file

Answer: B

NEW QUESTION 309

- (Exam Topic 3)

You are a Penetration Tester and are assigned to scan a server. You need to use a scanning technique wherein the TCP Header is split into many packets so that it becomes difficult to detect what the packets are meant for. Which of the below scanning technique will you use?

- A. Inverse TCP flag scanning
- B. ACK flag scanning
- C. TCP Scanning
- D. IP Fragment Scanning

Answer: D

NEW QUESTION 311

- (Exam Topic 3)

Steve, a forensic investigator, was asked to investigate an email incident in his organization. The organization has Microsoft Exchange Server deployed for email communications. Which among the following files will Steve check to analyze message headers, message text, and standard attachments?

- A. PUB.EDB
- B. PRIV.EDB
- C. PUB.STM
- D. PRIV.STM

Answer: B

NEW QUESTION 312

- (Exam Topic 3)

What do you call the process in which an attacker uses magnetic field over the digital media device to delete any previously stored data?

- A. Disk deletion

- B. Disk cleaning
- C. Disk degaussing
- D. Disk magnetization

Answer: C

NEW QUESTION 314

- (Exam Topic 3)

Centralized binary logging is a process in which many websites write binary and unformatted log data to a single log file. What extension should the investigator look to find its log file?

- A. .cbl
- B. .log
- C. .ibl
- D. .txt

Answer: C

NEW QUESTION 318

- (Exam Topic 3)

If the partition size is 4 GB, each cluster will be 32 K. Even if a file needs only 10 K, the entire 32 K will be allocated, resulting in 22 K of .

- A. Slack space
- B. Deleted space
- C. Sector space
- D. Cluster space

Answer: A

NEW QUESTION 322

- (Exam Topic 3)

Which of the following standard represents a legal precedent set in 1993 by the Supreme Court of the United States regarding the admissibility of expert witnesses' testimony during federal legal proceedings?

- A. SWGDE & SWGIT
- B. IOCE
- C. Frye
- D. Daubert

Answer: D

NEW QUESTION 326

- (Exam Topic 3)

Which of the following does Microsoft Exchange E-mail Server use for collaboration of various e-mail applications?

- A. Simple Mail Transfer Protocol (SMTP)
- B. Messaging Application Programming Interface (MAPI)
- C. Internet Message Access Protocol (IMAP)
- D. Post Office Protocol version 3 (POP3)

Answer: B

NEW QUESTION 330

- (Exam Topic 3)

In which of these attacks will a steganalyst use a random message to generate a stego-object by using some steganography tool, to find the steganography algorithm used to hide the information?

- A. Chosen-message attack
- B. Known-cover attack
- C. Known-message attack
- D. Known-stego attack

Answer: A

NEW QUESTION 335

- (Exam Topic 3)

Which among the following tools can help a forensic investigator to access the registry files during postmortem analysis?

- A. RegistryChangesView
- B. RegDIIView
- C. RegRipper
- D. ProDiscover

Answer: C

NEW QUESTION 340

- (Exam Topic 3)

Pick the statement which does not belong to the Rule 804. Hearsay Exceptions; Declarant Unavailable.

- A. Statement of personal or family history
- B. Prior statement by witness
- C. Statement against interest
- D. Statement under belief of impending death

Answer: D

NEW QUESTION 342

- (Exam Topic 3)

Which component in the hard disk moves over the platter to read and write information?

- A. Actuator
- B. Spindle
- C. Actuator Axis
- D. Head

Answer: D

NEW QUESTION 346

- (Exam Topic 3)

What does Locard's Exchange Principle state?

- A. Any information of probative value that is either stored or transmitted in a digital form
- B. Digital evidence must have some characteristics to be disclosed in the court of law
- C. Anyone or anything, entering a crime scene takes something of the scene with them, and leaves something of themselves behind when they leave
- D. Forensic investigators face many challenges during forensics investigation of a digital crime, such as extracting, preserving, and analyzing the digital evidence

Answer: C

NEW QUESTION 350

- (Exam Topic 3)

Graphics Interchange Format (GIF) is a RGB bitmap image format for images with up to 256 distinct colors per frame.

- A. 8-bit
- B. 32-bit
- C. 16-bit
- D. 24-bit

Answer: A

NEW QUESTION 351

- (Exam Topic 3)

Which of the following is a federal law enacted in the US to control the ways that financial institutions deal with the private information of individuals?

- A. SOX
- B. HIPAA 1996
- C. GLBA
- D. PCI DSS

Answer: C

NEW QUESTION 354

- (Exam Topic 3)

Jacob is a computer forensics investigator with over 10 years of experience in investigations and has written over 50 articles on computer forensics. He has been called upon as a qualified witness to testify the accuracy and integrity of the technical log files gathered in an investigation into computer fraud. What is the term used for Jacob's testimony in this case?

- A. Certification
- B. Justification
- C. Reiteration
- D. Authentication

Answer: D

NEW QUESTION 355

- (Exam Topic 3)

Lynne receives the following email:

Dear lynne@gmail.com! We are sorry to inform you that your ID has been temporarily frozen due to incorrect or missing information saved at 2016/11/10 20:40:24
You have 24 hours to fix this problem or risk to be closed permanently! To proceed Please Connect >> My Apple ID
Thank You The link to My Apple ID shows <http://byggarbetsplatsen.se/backup/signon/> What type of attack is this?

- A. Mail Bombing
- B. Phishing
- C. Email Spamming

D. Email Spoofing

Answer: B

NEW QUESTION 357

- (Exam Topic 3)

Which of the following files contains the traces of the applications installed, run, or uninstalled from a system?

- A. Virtual Files
- B. Image Files
- C. Shortcut Files
- D. Prefetch Files

Answer: C

NEW QUESTION 362

- (Exam Topic 3)

Examination of a computer by a technically unauthorized person will almost always result in:

- A. Rendering any evidence found inadmissible in a court of law
- B. Completely accurate results of the examination
- C. The chain of custody being fully maintained
- D. Rendering any evidence found admissible in a court of law

Answer: A

NEW QUESTION 363

- (Exam Topic 3)

Which of the following Windows-based tool displays who is logged onto a computer, either locally or remotely?

- A. Tokenmon
- B. PSLoggedon
- C. TCPView
- D. Process Monitor

Answer: B

NEW QUESTION 367

- (Exam Topic 3)

The Apache server saves diagnostic information and error messages that it encounters while processing requests. The default path of this file is `usr/local/apache/logs/error.log` in Linux. Identify the Apache error log from the following logs.

- A. `http://victim.com/scripts/..%c0%af../..%c0%af../..%c0%af../..%c0%af../..%c0%af../..%c0%af../..%c0%af../..%c0%af../winnt/system32/cmd.exe?/c+dir+C:\Winnt\system32\Logfiles\W3SVC1`
- B. `[Wed Oct 11 14:32:52 2000] [error] [client 127.0.0.1] client denied by server configuration:/export/home/live/ap/htdocs/test`
- C. `127.0.0.1 - frank [10/Oct/2000:13:55:36 -0700]"GET /apache_pb.gif HTTP/1.0" 200 2326`
- D. `127.0.0.1 - - [10/Apr/2007:10:39:11 +0300]] [error] "GET /apache_pb.gif HTTP/1.0" 200 2326`

Answer: B

NEW QUESTION 369

- (Exam Topic 3)

Select the tool appropriate for finding the dynamically linked lists of an application or malware.

- A. SysAnalyzer
- B. ResourcesExtract
- C. PEiD
- D. Dependency Walker

Answer: D

NEW QUESTION 372

- (Exam Topic 3)

Which of these rootkit detection techniques function by comparing a snapshot of the file system, boot records, or memory with a known and trusted baseline?

- A. Signature-Based Detection
- B. Integrity-Based Detection
- C. Cross View-Based Detection
- D. Heuristic/Behavior-Based Detection

Answer: B

NEW QUESTION 377

- (Exam Topic 3)

Chong-lee, a forensics executive, suspects that a malware is continuously making copies of files and folders on a victim system to consume the available disk

space. What type of test would confirm his claim?

- A. File fingerprinting
- B. Identifying file obfuscation
- C. Static analysis
- D. Dynamic analysis

Answer: A

NEW QUESTION 382

- (Exam Topic 3)

An attacker successfully gained access to a remote Windows system and plans to install persistent backdoors on it. Before that, to avoid getting detected in future, he wants to cover his tracks by disabling the last-accessed timestamps of the machine. What would he do to achieve this?

- A. Set the registry value of HKLM\SYSTEM\CurrentControlSet\Control\FileSystem\NtfsDisableLastAccessUpdate to 0
- B. Run the command fsutil behavior set disablelastaccess 0
- C. Set the registry value of HKLM\SYSTEM\CurrentControlSet\Control\FileSystem\NtfsDisableLastAccessUpdate to 1
- D. Run the command fsutil behavior set enablelastaccess 0

Answer: C

NEW QUESTION 384

- (Exam Topic 3)

Which of the following file formats allows the user to compress the acquired data as well as keep it randomly accessible?

- A. Proprietary Format
- B. Generic Forensic Zip (gfwzip)
- C. Advanced Forensic Framework 4
- D. Advanced Forensics Format (AFF)

Answer: B

NEW QUESTION 389

- (Exam Topic 2)

Which password cracking technique uses every possible combination of character sets?

- A. Rainbow table attack
- B. Brute force attack
- C. Rule-based attack
- D. Dictionary attack

Answer: B

NEW QUESTION 392

- (Exam Topic 2)

Where is the startup configuration located on a router?

- A. Static RAM
- B. BootROM
- C. NVRAM
- D. Dynamic RAM

Answer: C

NEW QUESTION 393

- (Exam Topic 2)

What must an investigator do before disconnecting an iPod from any type of computer?

- A. Unmount the iPod
- B. Mount the iPod
- C. Disjoin the iPod
- D. Join the iPod

Answer: A

NEW QUESTION 397

- (Exam Topic 2)

Depending upon the jurisdictional areas, different laws apply to different incidents. Which of the following law is related to fraud and related activity in connection with computers?

- A. 18 USC §1029
- B. 18 USC §1030
- C. 18 USC §1361
- D. 18 USC §1371

Answer: B

NEW QUESTION 398

- (Exam Topic 2)

To which phase of the Computer Forensics Investigation Process does the Planning and Budgeting of a Forensics Lab belong?

- A. Post-investigation Phase
- B. Reporting Phase
- C. Pre-investigation Phase
- D. Investigation Phase

Answer: C

NEW QUESTION 400

- (Exam Topic 2)

In the following email header, where did the email first originate from?

```
Microsoft Mail Internet Headers Version 2.0
Received: from smtp1.somedomain.com ([199.190.129.133]) by somedomain.com
with Microsoft SMTPSVC(6.0.3790.1830);
    Fri, 1 Jun 2007 09:43:08 -0500
Received: from david1.state.us.gov.us (david1.state.ok.gov [172.16.28.115])
    by smtp1.somedomain.com (8.13.1/8.12.11) with ESMTP id 151EfCEh032241
    for <someone@somedomain.com>; Fri, 1 Jun 2007 09:41:13 -0500
Received: from simon1.state.ok.gov.us ([172.18.0.199]) by
david1.state.ok.gov.us with Microsoft SMTPSVC(6.0.3790.1830);
    Fri, 1 Jun 2007 09:41:13 -0500
X-Ninja-PIM: Scanned by Ninja
X-Ninja-AttachmentFiltering: (no action)
X-MimeOLE: Produced By Microsoft Exchange V6.5.7235.2
Content-class: urn:content-classes:message
Return-Receipt-To: "Johnson, Jimmy" <jimmy@somewherelese.com>
MIME-version: 1.0
```

- A. Somedomain.com
- B. Smtpl.somedomain.com
- C. Simon1.state.ok.gov.us
- D. David1.state.ok.gov.us

Answer: C

NEW QUESTION 405

- (Exam Topic 2)

Billy, a computer forensics expert, has recovered a large number of DBX files during the forensic investigation of a laptop. Which of the following email clients can he use to analyze the DBX files?

- A. Microsoft Outlook
- B. Eudora
- C. Mozilla Thunderbird
- D. Microsoft Outlook Express

Answer: D

NEW QUESTION 407

- (Exam Topic 2)

What type of analysis helps to identify the time and sequence of events in an investigation?

- A. Time-based
- B. Functional
- C. Relational
- D. Temporal

Answer: D

NEW QUESTION 408

- (Exam Topic 2)

The investigator wants to examine changes made to the system's registry by the suspect program. Which of the following tool can help the investigator?

- A. TRIPWIRE
- B. RAM Capturer
- C. Regshot
- D. What's Running

Answer: C

NEW QUESTION 409

- (Exam Topic 2)

Which program is the bootloader when Windows XP starts up?

- A. KERNEL.EXE
- B. NTLDR
- C. LOADER

D. LILO

Answer: B

NEW QUESTION 410

- (Exam Topic 2)

Where is the default location for Apache access logs on a Linux computer?

- A. usr/local/apache/logs/access_log
- B. bin/local/home/apache/logs/access_log
- C. usr/logs/access_log
- D. logs/usr/apache/access_log

Answer: A

NEW QUESTION 411

- (Exam Topic 2)

On an Active Directory network using NTLM authentication, where on the domain controllers are the passwords stored?

- A. SAM
- B. AMS
- C. Shadow file
- D. Password.conf

Answer: A

NEW QUESTION 412

- (Exam Topic 2)

In a virtual test environment, Michael is testing the strength and security of BGP using multiple routers to mimic the backbone of the Internet. This project will help him write his doctoral thesis on "bringing down the Internet". Without sniffing the traffic between the routers, Michael sends millions of RESET packets to the routers in an attempt to shut one or all of them down. After a few hours, one of the routers finally shuts itself down. What will the other routers communicate between themselves?

- A. The change in the routing fabric to bypass the affected router
- B. More RESET packets to the affected router to get it to power back up
- C. RESTART packets to the affected router to get it to power back up
- D. STOP packets to all other routers warning of where the attack originated

Answer: A

NEW QUESTION 417

- (Exam Topic 2)

NTFS has reduced slack space than FAT, thus having lesser potential to hide data in the slack space. This is because:

- A. FAT does not index files
- B. NTFS is a journaling file system
- C. NTFS has lower cluster size space
- D. FAT is an older and inefficient file system

Answer: C

NEW QUESTION 422

- (Exam Topic 2)

Harold is finishing up a report on a case of network intrusion, corporate spying, and embezzlement that he has been working on for over six months. He is trying to find the right term to use in his report to describe network-enabled spying. What term should Harold use?

- A. Spycrack
- B. Spynet
- C. Netspionage
- D. Hackspionage

Answer: C

NEW QUESTION 427

- (Exam Topic 2)

Jacky encrypts her documents using a password. It is known that she uses her daughter's year of birth as part of the password. Which password cracking technique would be optimal to crack her password?

- A. Rule-based attack
- B. Brute force attack
- C. Syllable attack
- D. Hybrid attack

Answer: A

NEW QUESTION 429

- (Exam Topic 2)

Which of the following reports are delivered under oath to a board of directors/managers/panel of the jury?

- A. Written Formal Report
- B. Verbal Formal Report
- C. Verbal Informal Report
- D. Written Informal Report

Answer: B

NEW QUESTION 434

- (Exam Topic 2)

All Blackberry email is eventually sent and received through what proprietary RIM-operated mechanism?

- A. Blackberry Message Center
- B. Microsoft Exchange
- C. Blackberry WAP gateway
- D. Blackberry WEP gateway

Answer: A

NEW QUESTION 439

- (Exam Topic 2)

Which of the following files gives information about the client sync sessions in Google Drive on Windows?

- A. sync_log.log
- B. Sync_log.log
- C. sync.log
- D. Sync.log

Answer: B

NEW QUESTION 442

- (Exam Topic 2)

The surface of a hard disk consists of several concentric rings known as tracks; each of these tracks has smaller partitions called disk blocks. What is the size of each block?

- A. 512 bits
- B. 512 bytes
- C. 256 bits
- D. 256 bytes

Answer: B

NEW QUESTION 445

- (Exam Topic 2)

Your company's network just finished going through a SAS 70 audit. This audit reported that overall, your network is secure, but there are some areas that needs improvement. The major area was SNMP security. The audit company recommended turning off SNMP, but that is not an option since you have so many remote nodes to keep track of. What step could you take to help secure SNMP on your network?

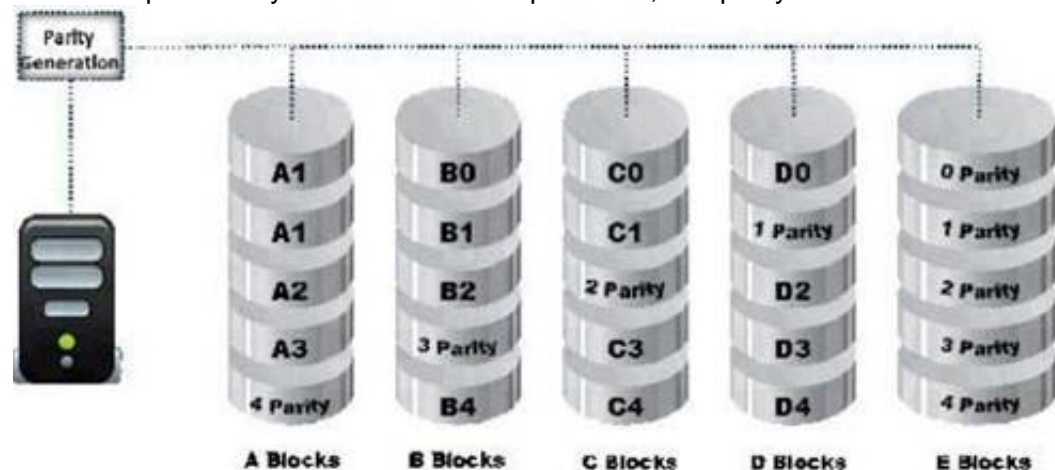
- A. Block all internal MAC address from using SNMP
- B. Block access to UDP port 171
- C. Block access to TCP port 171
- D. Change the default community string names

Answer: D

NEW QUESTION 450

- (Exam Topic 2)

Data is striped at a byte level across multiple drives, and parity information is distributed among all member drives.



What RAID level is represented here?

- A. RAID Level 0
- B. RAID Level 5

- C. RAID Level 3
- D. RAID Level 1

Answer: B

NEW QUESTION 454

- (Exam Topic 2)

Which of the following options will help users to enable or disable the last access time on a system running Windows 10 OS?

- A. wmic service
- B. Reg.exe
- C. fsutil
- D. Devcon

Answer: C

NEW QUESTION 455

- (Exam Topic 2)

What does the 63.78.199.4(161) denotes in a Cisco router log?

Mar 14 22:57:53.425 EST: %SEC-6-IPACCESSLOGP: list internet-inbound denied udp 66.56.16.77(1029) -> 63.78.199.4(161), 1 packet

- A. Destination IP address
- B. Source IP address
- C. Login IP address
- D. None of the above

Answer: A

NEW QUESTION 456

- (Exam Topic 2)

Who is responsible for the following tasks?

- A. Non-forensics staff
- B. Lawyers
- C. System administrators
- D. Local managers or other non-forensic staff

Answer: A

NEW QUESTION 458

- (Exam Topic 2)

During an investigation, an employee was found to have deleted harassing emails that were sent to someone else. The company was using Microsoft Exchange and had message tracking enabled. Where could the investigator search to find the message tracking log file on the Exchange server?

- A. C:\Program Files\Exchsrvr\servername.log
- B. D:\Exchsrvr\Message Tracking\servername.log
- C. C:\Exchsrvr\Message Tracking\servername.log
- D. C:\Program Files\Microsoft Exchange\srvr\servername.log

Answer: A

NEW QUESTION 462

- (Exam Topic 2)

Which of the following are small pieces of data sent from a website and stored on the user's computer by the user's web browser to track, validate, and maintain specific user information?

- A. Temporary Files
- B. Open files
- C. Cookies
- D. Web Browser Cache

Answer: C

NEW QUESTION 463

- (Exam Topic 2)

Which among the following search warrants allows the first responder to get the victim's computer information such as service records, billing records, and subscriber information from the service provider?

- A. Citizen Informant Search Warrant
- B. Electronic Storage Device Search Warrant
- C. John Doe Search Warrant
- D. Service Provider Search Warrant

Answer: B

NEW QUESTION 466

- (Exam Topic 2)

John is working on his company policies and guidelines. The section he is currently working on covers company documents; how they should be handled, stored, and eventually destroyed. John is concerned about the process whereby outdated documents are destroyed. What type of shredder should John write in the guidelines to be used when destroying documents?

- A. Strip-cut shredder
- B. Cross-cut shredder
- C. Cross-hatch shredder
- D. Cris-cross shredder

Answer: B

NEW QUESTION 471

- (Exam Topic 2)

Which of the following commands shows you all of the network services running on Windows-based servers?

- A. Netstart
- B. Net Session
- C. Net use
- D. Net config

Answer: A

NEW QUESTION 474

- (Exam Topic 2)

Which of the following data structures stores attributes of a process, as well as pointers to other attributes and data structures?

- A. Lsproc
- B. DumpChk
- C. RegEdit
- D. EProcess

Answer: D

NEW QUESTION 479

- (Exam Topic 2)

Which network attack is described by the following statement? "At least five Russian major banks came under a continuous hacker attack, although online client services were not disrupted. The attack came from a wide-scale botnet involving at least 24,000 computers, located in 30 countries."

- A. Man-in-the-Middle Attack
- B. Sniffer Attack
- C. Buffer Overflow
- D. DDoS

Answer: D

NEW QUESTION 484

- (Exam Topic 2)

Jason discovered a file named \$RIYG6VR.doc in the C:\\$Recycle.Bin\<USER SID>\ while analyzing a hard disk image for the deleted data. What inferences can he make from the file name?

- A. It is a doc file deleted in seventh sequential order
- B. RIYG6VR.doc is the name of the doc file deleted from the system
- C. It is file deleted from R drive
- D. It is a deleted doc file

Answer: D

NEW QUESTION 489

- (Exam Topic 2)

Where does Encase search to recover NTFS files and folders?

- A. MBR
- B. MFT
- C. Slack space
- D. HAL

Answer: B

NEW QUESTION 493

- (Exam Topic 2)

This type of testimony is presented by someone who does the actual fieldwork and does not offer a view in court.

- A. Civil litigation testimony
- B. Expert testimony
- C. Victim advocate testimony

D. Technical testimony

Answer: D

NEW QUESTION 496

- (Exam Topic 2)

Wireless access control attacks aim to penetrate a network by evading WLAN access control measures such as AP MAC filters and Wi-Fi port access controls. Which of the following wireless access control attacks allow the attacker to set up a rogue access point outside the corporate perimeter and then lure the employees of the organization to connect to it?

- A. Ad hoc associations
- B. Client mis-association
- C. MAC spoofing
- D. Rogue access points

Answer: B

NEW QUESTION 500

- (Exam Topic 2)

Paul is a computer forensics investigator working for Tyler & Company Consultants. Paul has been called upon to help investigate a computer hacking ring broken up by the local police. Paul begins to inventory the PCs found in the hackers hideout. Paul then comes across a PDA left by them that is attached to a number of different peripheral devices. What is the first step that Paul must take with the PDA to ensure the integrity of the investigation?

- A. Place PDA, including all devices, in an antistatic bag
- B. Unplug all connected devices
- C. Power off all devices if currently on
- D. Photograph and document the peripheral devices

Answer: D

NEW QUESTION 503

- (Exam Topic 2)

Smith, as a part his forensic investigation assignment, seized a mobile device. He was asked to recover the Subscriber Identity Module (SIM card) data in the mobile device. Smith found that the SIM was protected by a Personal Identification Number (PIN) code, but he was also aware that people generally leave the PIN numbers to the defaults or use easily guessable numbers such as 1234. He made three unsuccessful attempts, which blocked the SIM card. What can Jason do in this scenario to reset the PIN and access SIM data?

- A. He should contact the network operator for a Temporary Unlock Code (TUK)
- B. Use system and hardware tools to gain access
- C. He can attempt PIN guesses after 24 hours
- D. He should contact the network operator for Personal Unlock Number (PUK)

Answer: D

NEW QUESTION 504

- (Exam Topic 2)

Daryl, a computer forensics investigator, has just arrived at the house of an alleged computer hacker. Daryl takes pictures and tags all computer and peripheral equipment found in the house. Daryl packs all the items found in his van and takes them back to his lab for further examination. At his lab, Michael his assistant helps him with the investigation. Since Michael is still in training, Daryl supervises all of his work very carefully. Michael is not quite sure about the procedures to copy all the data off the computer and peripheral devices. How many data acquisition tools should Michael use when creating copies of the evidence for the investigation?

- A. Two
- B. One
- C. Three
- D. Four

Answer: A

NEW QUESTION 509

- (Exam Topic 2)

An executive has leaked the company trade secrets through an external drive. What process should the investigation team take if they could retrieve his system?

- A. Postmortem Analysis
- B. Real-Time Analysis
- C. Packet Analysis
- D. Malware Analysis

Answer: A

NEW QUESTION 512

- (Exam Topic 2)

Julie is a college student majoring in Information Systems and Computer Science. She is currently writing an essay for her computer crimes class. Julie paper focuses on white-collar crimes in America and how forensics investigators investigate the cases. Julie would like to focus the subject. Julie would like to focus the subject of the essay on the most common type of crime found in corporate America. What crime should Julie focus on?

- A. Physical theft
- B. Copyright infringement
- C. Industrial espionage
- D. Denial of Service attacks

Answer: C

NEW QUESTION 513

- (Exam Topic 2)

Which of the following tool creates a bit-by-bit image of an evidence media?

- A. Recuva
- B. FileMerlin
- C. AccessData FTK Imager
- D. Xplico

Answer: C

NEW QUESTION 517

- (Exam Topic 2)

When marking evidence that has been collected with the “aaa/ddmmyy/nnnn/zz” format, what does the “nnnn” denote?

- A. The initials of the forensics analyst
- B. The sequence number for the parts of the same exhibit
- C. The year he evidence was taken
- D. The sequential number of the exhibits seized by the analyst

Answer: D

NEW QUESTION 522

- (Exam Topic 2)

Richard is extracting volatile data from a system and uses the command doskey/history. What is he trying to extract?

- A. Events history
- B. Previously typed commands
- C. History of the browser
- D. Passwords used across the system

Answer: B

NEW QUESTION 523

- (Exam Topic 2)

Where are files temporarily written in Unix when printing?

- A. /usr/spool
- B. /var/print
- C. /spool
- D. /var/spool

Answer: D

NEW QUESTION 525

- (Exam Topic 2)

Heather, a computer forensics investigator, is assisting a group of investigators working on a large computer fraud case involving over 20 people. These 20 people, working in different offices, allegedly siphoned off money from many different client accounts. Heather responsibility is to find out how the accused people communicated between each other. She has searched their email and their computers and has not found any useful evidence. Heather then finds some possibly useful evidence under the desk of one of the accused.

In an envelope she finds a piece of plastic with numerous holes cut out of it. Heather then finds the same exact piece of plastic with holes at many of the other accused peoples desks. Heather believes that the 20 people involved in the case were using a cipher to send secret messages in between each other. What type of cipher was used by the accused in this case?

- A. Grill cipher
- B. Null cipher
- C. Text semagram
- D. Visual semagram

Answer: A

NEW QUESTION 528

- (Exam Topic 2)

Casey has acquired data from a hard disk in an open source acquisition format that allows her to generate compressed or uncompressed image files. What format did she use?

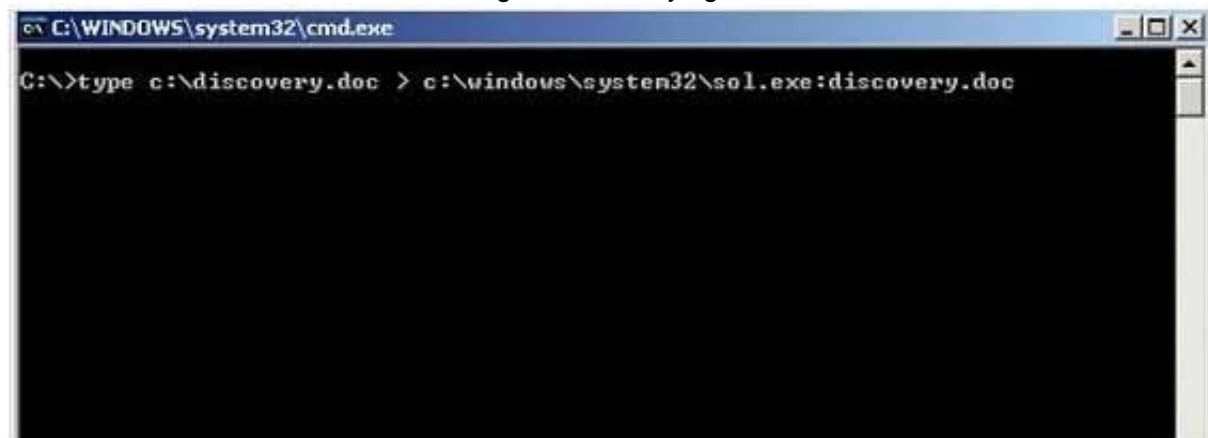
- A. Portable Document Format
- B. Advanced Forensics Format (AFF)
- C. Proprietary Format
- D. Raw Format

Answer: B

NEW QUESTION 529

- (Exam Topic 2)

What feature of Windows is the following command trying to utilize?



- A. White space
- B. AFS
- C. ADS
- D. Slack file

Answer: C

NEW QUESTION 531

- (Exam Topic 2)

Watson, a forensic investigator, is examining a copy of an ISO file stored in CDFS format. What type of evidence is this?

- A. Data from a CD copied using Windows
- B. Data from a CD copied using Mac-based system
- C. Data from a DVD copied using Windows system
- D. Data from a CD copied using Linux system

Answer: A

NEW QUESTION 536

- (Exam Topic 2)

Madison is on trial for allegedly breaking into her university's internal network. The police raided her dorm room and seized all of her computer equipment. Madison's lawyer is trying to convince the judge that the seizure was unfounded and baseless. Under which US Amendment is Madison's lawyer trying to prove the police violated?

- A. The 4th Amendment
- B. The 1st Amendment
- C. The 10th Amendment
- D. The 5th Amendment

Answer: A

NEW QUESTION 537

- (Exam Topic 2)

If a PDA is seized in an investigation while the device is turned on, what would be the proper procedure?

- A. Keep the device powered on
- B. Turn off the device immediately
- C. Remove the battery immediately
- D. Remove any memory cards immediately

Answer: A

NEW QUESTION 542

- (Exam Topic 2)

While looking through the IIS log file of a web server, you find the following entries:

```
2007-01-23 14:18:39 W3SVC1 172.16.28.102 GET /Development/index.asp
2007-01-23 14:18:39 W3SVC1 172.16.28.102 GET /login.asp?username=if {(select user)='sa' OR (select user)='dbo'}
select 1 else select 1/0
2007-01-23 14:18:39 W3SVC1 172.16.28.102 GET /Developments/index_02.jpg
2007-01-23 14:18:39 W3SVC1 172.16.28.102 GET /Development/index_04.jpg
```

What is evident from this log file?

- A. Web bugs
- B. Cross site scripting
- C. Hidden fields
- D. SQL injection is possible

Answer: D

NEW QUESTION 545

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