Review: Quiz 01 - Data Acquisition (Digital Forensics 152361)

	✓ Correct 1/1 Points	1 / 1 pt Auto-graded
1.	What will the following Linux command accomplish? dd if=/dev/mem of=/home/bkcs/mem.bin bs=1024 *	
	Copy the master boot record to a file	
	Copy the contents of the system folder to a file	
	Copy the running memory to a file ✓	
	Copy the memory dump file to an image file	
	✓ Correct 1/1 Points	1 / 1 pt Auto-graded
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 *	
	Fill the disk with zeros ✓	
	Low-level format	
	Fill the disk with 4096 zeros	
	Copy files from the master disk to the slave disk on the secondary IDE controller	
	✓ Correct 1/1 Points	1 / 1 pt Auto-graded
3.	Using Linux to carry out a forensics investigation, what would the following command accomplish? dd if=/usr/home/partition.image of=/dev/sdb2 bs=4096 conv=notrunc,noerror *	
	Backup a disk to an image file	
	Search for disk errors within an image file	
	Copy a partition to an image file	
	Restore a disk from an image file 🗸	

✓ Correct 1/1 Points

/ 1 pt

✓ Correct 1/1 Points

/ 1 pt

	✓ Correct 1/1 Points	1 / 1 pt Auto-graded
12.	Which of the following tools is not a data acquisition hardware tool? *	
	UltraKit	
	Atola Insight Forensic	
	F-Response Imager ✓	
	Triage-Responder	
	✓ Correct 1/1 Points	1 / 1 pt Auto-graded
13.	The SHA1 program is used to? *	
	wipe magnetic media before recycling it	
	make directories on an evidence disk	
	view graphics files on an evidence drive	
	verify that a disk is not altered when you examine it 🗸	
	✓ Correct 1/1 Points	1 / 1 pt Auto-graded
14.	In which implementation of RAID will the image of a Hardware RAID volume be different from the image taken separately from the disks? *	
	○ RAID 0	
	○ RAID 1	
	The images will always be identical because data is mirrored for redundancy	
	✓ Correct 1/1 Points	1 / 1 pt Auto-graded
15.	When should an SHA1 hash check be performed when processing evidence? *	3
	After the evidence examination has been completed	
	On an hourly basis during the evidence examination	
	■ Before and after evidence examination ✓	
	Before the evidence examination has been completed	

/ 1 pt

	✓ Correct 1/1 Points	1 / 1 pt Auto-graded
16.	Raw data acquisition format creates of a data set or suspect drive. *	
	Segmented image files	
	Simple sequential flat files ✓	
	Compressed image files	
	Segmented files	
	✓ Correct 1/1 Points	1 / 1 pt Auto-graded
17.	When using Windows acquisitions tools to acquire digital evidence, it is important to use a well-tested hardware write-blocking device to? *	
	Automate Collection from image files	
	Avoiding copying data from the boot partition	
	Acquire data from host-protected area on a disk	
	Prevent Contamination to the evidence drive	
	✓ Correct 1/1 Points	1 / 1 pt Auto-graded
18.	How many bytes is the fixed-length MD5 algorithm checksum of a critical system file? *	
	<u>128</u>	
	<u>64</u>	
	■ 16 ✓	
	✓ Correct 1/1 Points	1 / 1 pt Auto-graded
19.	Which of the following tools enables data acquisition and duplication? (Choose all that apply) *	
	Colasoft's Capsa	
	✓ DriveSpy ✓	
	Wireshark	
	▼ FTK Imager ✓	

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

	Two 🗸
\bigcirc	One
	Three
	Four