$Full\ Download:\ https://downloadlink.org/p/test-bank-for-guide-to-computer-forensics-and-investigations-5th-edition-by-bill/linear-forensics-and-investigations-5th-edition-by-bill/linear-forensics-and-investigations-5th-edition-by-bill/linear-forensics-and-investigations-5th-edition-by-bill/linear-forensics-and-investigations-5th-edition-by-bill/linear-forensics-and-investigations-5th-edition-by-bill/linear-forensics-and-investigations-5th-edition-by-bill/linear-forensics-and-investigations-5th-edition-by-bill/linear-forensics-and-investigations-5th-edition-by-bill/linear-forensics-and-investigations-5th-edition-by-bill/linear-forensics-and-investigations-5th-edition-by-bill/linear-forensics-and-investigations-5th-edition-by-bill/linear-forensics-and-investigation-by-bill/linear-forens$

Chapter 3: The Investigator's Office and Laboratory

Т	D	TI	F.	/IF	A 1	LS	\mathbf{F}
•	ĸ		\mathbf{r}_{I}		A		r.

1.		ing a forensic analysis of a disk 200 GB or larger can take several days and often involves imaging software overnight and on weekends.							
	ANS: T	PTS:	1	REF:	75				
2.	Requirements for tal training courses.	king the	EnCE certifica	tion ex	am depend on taking the Guidance Software EnCase				
	ANS: F	PTS:	1	REF:	81				
3.		damage occurs to the floor, walls, ceilings, or furniture on your computer forensics lab, it does not sed to be repaired immediately.							
	ANS: F	PTS:	1	REF:	85				
4. A good working practice is to use less powerful workstations for mundane tasks and multi-workstations for the higher-end analysis tasks.									
	ANS: T	PTS:	1	REF:	88				
5.	Computing systems	in a fore	ensics lab shoul	ld be ab	le to process typical cases in a timely manner.				
	ANS: T	PTS:	1	REF:	89				
MUL	TIPLE CHOICE								
1.			ct your investig		store evidence, and do most of your work.				
	a. forensic workstab. computer forens				storage room workbench				
	ANS: B	PTS:	1	REF:	74				
2.	Lab costs can be bro	ken dov	vn into daily, _	c.	bimonthly				
	b. monthly ANS: D	PTS:	1	REF:	quarterly 75				
3.					evels to show the types and frequency of crimes				
<i>J</i> .	committed. a. HTCN reports b. IDE reports	it the lev	aciai, state, and	c.	Uniform crime reports ASCLD reports				
	ANS: C	PTS:	1	REF:	76				
4.			w use a variety	of file s	systems, including FAT16, FAT32,, and				
	Windows File Systema. NTFS b. ext3	m.			FAT24 ext2				

	ANS: A	PTS: 1	REF:	78
5.	was created by a. HTCN b. NISPOM	police offic	c.	formalize credentials in computing investigations. TEMPEST IACIS
	ANS: D	PTS: 1	REF:	79
6.	computer forensics.	tification ev		demonstrate continuing work in the field of
	a. 2 b. 3		c. d.	
	ANS: B	PTS: 1	REF:	79
7.		enforcement uter Crime In uter Crime In uter Forensic	or corporate or han nvestigator, Basic nvestigator, Advan e Technician, Basic	ced Level
	ANS: C	PTS: 1	REF:	80
8.	To preserve the integmaking it a or a. secure workstatib. secure workbend	a secure stor	rage safe.	protected PC secure facility
	ANS: D	PTS: 1	REF:	82
9.	The EMR from a cor a. 1/4 b. 1/2	mputer mon	_	up as far away as mile. 3/4 1
	ANS: B	PTS: 1	REF:	83
10.		vesdropping	g of any computer hielding	uired to shield sensitive computing systems and emissions. The U.S. Department of Defense calls NISPOM EMR
	ANS: A	PTS: 1	REF:	83
11.	external padlock.	itainer or cal		ade of and include an internal cabinet lock or wood
	a. gypsumb. steel			expanded metal
	ANS: B	PTS: 1	REF:	84
12.				hould be cleaned at least a week to help
	minimize dust that c a. once	an cause sta		three times

	b. twice			d.	four times				
	ANS: A	PTS:	1	REF:	85				
13.	One way to investigate older and unusual computing systems is to keep track of that still use these systems.								
	a. AICIS listsb. uniform reports				SIGs Minix				
	ANS: C	PTS:	1	REF:	89				
14.	A plan also specifies how to rebuild a forensic workstation after it has been severely contaminated by a virus from a drive you're analyzing.								
	a. disaster recoveryb. risk management				configuration management security				
	ANS: A	PTS:	1	REF:	91				
15.	your backups stored			_	s on site and a duplicate copy or a previous copy of				
	a. in-siteb. storage				off-site online				
	ANS: C	PTS:	1	REF:	91				
16.	In addition to performusing a process called a. configuration mab. risk assessment	d y	when planning	for disa					
	ANS: A	PTS.	1						
17.		end	_ servers (such	as Digi lata sets c.	tal Intelligence F.R.E.D.C. or F.R.E.D.M.), you				
	ANS: A	PTS:	1	REF:	91				
18.	involves detern equipment. a. Risk configuration		now much risk		stable for any process or operation, such as replacing Configuration management				
	b. Change manager				Risk management				
	ANS: D	PTS:	1	REF:	92				
19.	Computing compone a. 24 b. 30	nts are	designed to las	c.	months in normal business operations. 36 42				
	ANS: C	PTS:	1	REF:	92				
20.	In the, you just a. risk evaluation b. business case	ify acqu	iiring newer an	c.	resources to investigate computer forensics cases. configuration plan upgrade policy				
	ANS: B	PTS:	1	REF:	92				

21.	By using to attract new customers or clients, you can justify future budgets for the lab's operation and staff.
	a. pricing c. budgeting
	b. marketing d. changing
	ANS: B PTS: 1 REF: 94
COM	PLETION
1.	The provides guidelines for managing a forensics lab and for acquiring official crime-lab certification.
	ANS: American Society of Crime Laboratory Directors (ASCLD) American Society of Crime Laboratory Directors ASCLD ASCLD (American Society of Crime Laboratory Directors)
	PTS: 1 REF: 74
2.	The lab sets up processes for managing cases and reviews them regularly.
	ANS: manager
	PTS: 1 REF: 74
3.	For daily work production, several examiners can work together in a large open area, as long as they all have level of authority and access need.
	ANS: the same
	PTS: 1 REF: 82
4.	Chapter 5, Section 3 (http://nsi.org/Library/Govt/Nispom.html) describes the characteristics of a safe storage container.
	ANS: NISPOM National Industrial Security Program Operating Manual NISPOM (National Industrial Security Program Operating Manual) National Industrial Security Program Operating Manual (NISPOM)
	PTS: 1 REF: 83
5.	A(n) plan ensures that you can restore your workstations and file servers to their original condition if a catastrophic failure occurs.
	ANS: disaster recovery
	PTS: 1 REF: 91

MATCHING

Match each item with a statement below

- a. FireWire
- b. Guidance Software
- c. Business case
- d. F.R.E.D.C.
- e. ASCLD/LAB

- f. SIG
- g. MAN
- h. Norton Ghost
- i. Disaster recovery plan
- 1. sponsors the EnCE certification program
- 2. a high-end RAID server from Digital Intelligence
- 3. a plan you can use to sell your services to your management or clients
- 4. stands for Metropolitan Area Network
- 5. tool for directly restoring files
- 6. addresses how to restore a workstation you reconfigured for a specific investigation
- 7. ruled by the IEEE 1394B standard
- 8. can be a valuable source of support for recovering and analyzing uncommon systems
- 9. certification program that regulates how crime labs are organized and managed

1.	ANS:	В	PTS:	1	REF:	81
2.	ANS:	D	PTS:	1	REF:	91
3.	ANS:	C	PTS:	1	REF:	92
4.	ANS:	G	PTS:	1	REF:	88
5.	ANS:	H	PTS:	1	REF:	91
6.	ANS:	I	PTS:	1	REF:	91
7.	ANS:	A	PTS:	1	REF:	92
8.	ANS:	F	PTS:	1	REF:	89
9.	ANS:	E	PTS:	1	REF:	74

SHORT ANSWER

1. What are the duties of a lab manager?

ANS:

The lab manager sets up the processes for managing cases and reviews these procedures regularly. Besides performing general management tasks, such as promoting group consensus in decision making, maintaining fiscal responsibility for lab needs, and encouraging honesty among staff members, the lab manager plans updates for the lab, such as new hardware and software purchases.

The lab manager also establishes and promotes quality-assurance processes for the lab's staff to use, such as what to do when a case arrives, including logging evidence, specifying who can enter the lab, and establishing guidelines for filing reports. To ensure the lab's efficiency, the lab manager also sets reasonable production schedules for processing work.

PTS: 1 REF: 74

2. Provide a brief explanation of how to plan a lab budget.

ANS:

Lab costs can be broken down into daily, quarterly, and annual expenses. The better you understand these expenses, the better you can delegate resources for each investigation. Using a spreadsheet program helps you keep track of past investigation expenses. From past expenses, you can extrapolate expected future costs. Remember, expenses for a lab include computer hardware and software, facility space, and trained personnel. When creating a budget, start by estimating the number of computer cases your lab expects to examine and identifying the types of computers you're likely to examine, such as Windows PCs or Linux workstations.

PTS: 1 REF: 75

3. What are the four levels of certification offered by HTCN?

ANS:

Certified Computer Crime Investigator, Basic Level Certified Computer Crime Investigator, Advanced Level Certified Computer Forensic Technician, Basic Certified Computer Forensic Technician, Advanced

PTS: 1 REF: 80

4. What are the minimum requirements for a computer investigation and forensics lab?

ANS:

Small room with true floor-to-ceiling walls
Door access with a locking mechanism
Secure container, such as a safe or heavy-duty file cabinet with a quality padlock
Visitor's log listing all people who have accessed your lab

PTS: 1 REF: 82

5. Illustrate a proper way of disposing materials on your computer investigation lab.

ANS:

Maintain two separate trash containers, one to store items unrelated to an investigation, such as discarded CDs or magnetic tapes, and the other for sensitive material that requires special handling to ensure that it's destroyed. Using separate trash containers maintains the integrity of criminal investigation processes and protects trade secrets and attorney-client privileged communications in a private corporation. Several commercially bonded firms specialize in disposing of sensitive materials. Your lab should have access to these services to maintain the integrity of your investigations.

PTS: 1 REF: 85

6. Give a brief explanation of a computer forensics lab auditing process.

ANS:

To make sure security policies and practices are followed, conduct routine inspections to audit your lab and evidence storage containers. Audits should include, but aren't limited to, the following facility components and practices:

- -Inspect the lab's ceiling, floor, roof, and exterior walls at least once a month, looking for anything unusual or new.
- Inspect doors to make sure they close and lock correctly.
- Check locks to see whether they need to be replaced or changed.
- Review visitor logs to see whether they're being used properly.
- Review log sheets for evidence containers to determine when they have been opened and closed.

- At the end of every workday, secure any evidence that's not being processed on a forensic workstation.

PTS: 1 REF: 86

7. Briefly outline the process of selecting workstations for a police computer investigation lab.

ANS:

For small, local police departments, the majority of work involves Windows PCs and Apple Macintosh systems. The computer forensics lab of a small police department can be limited to one multipurpose forensic workstation with one or two basic workstations.

As a general rule, there should be at least one law enforcement computer investigator for every 250,000 people in a geographic region. For example, if your community has 1,000,000 people, the regional computer forensics lab should have at least four computer investigators. Each investigator should have at least one multipurpose forensic workstation with one general-purpose workstation.

PTS: 1 REF: 89

8. What peripheral devices should be stocked in your computer forensics lab?

ANS:

In addition to workstations and software, all labs should have a wide assortment of cables and spare expansion slot cards. Consider stocking your computer forensics lab with the following peripheral devices:

- * 40-pin 18-inch and 36-inch IDE cables, both ATA-33 and ATA-100 or faster
- * Ribbon cables for floppy disks
- * Extra SCSI cards, preferably ultra-wide
- * Graphics cards, both Peripheral Component Interconnect (PCI) and Accelerated Graphics Port (AGP)
- * Extra power cords
- * A variety of hard drives (as many as you can afford and in as wide a variety as possible)
- * At least two 2.5-inch adapters from notebook IDE hard drives to standard IDE/ATA drives, SATA drives, and so on
- * Computer hand tools, such as Phillips and flathead screwdrivers, a socket wrench, and a small flashlight

PTS: 1 REF: 90

9. Discuss the use of a laptop PC as a forensic workstation.

ANS:

Recent important advances in hardware technology offer more flexibility to computer forensics. You can now use a laptop PC with a FireWire (IEEE 1394B standard), USB 2.0, or PCMCIA SATA hard disks to create a lightweight, mobile forensic workstation. Improved throughput speeds of data transfer on laptops also make it easier to create bit-stream copies of suspect disk drives.

However, laptops are still limited as forensic workstations. Even with improved data transfer rates, acquiring data with a data compression-imaging tool such as EnCase or SafeBack creates a bottleneck. The processor speed determines how quickly you can acquire an image file of a hard disk. The faster the CPU on your laptop (or other PC), the faster the image is created in a compressed mode.

PTS: 1 REF: 92

Test Bank for Guide to Computer Forensics and Investigations 5th Edition by Bill

Full Download: https://downloadlink.org/p/test-bank-for-guide-to-computer-forensics-and-investigations-5th-edition-by-bill/

10. What are the questions you need to ask when planning the justification step of a business case?

ANS:

Before you can start, you need to justify to the person controlling the budget the reason a lab is needed. This justification step requires asking the following questions:

- * What type of computing investigation service is needed for your organization?
- * Who are the potential customers for this service, and how will it be budgeted—as an internal operation (police department or company security department, for instance)—or an external operation (a for-profit business venture)?
- * How will you advertise your services to customers?
- * What time-management techniques will you use?
- * Where will the initial and sustaining budget for business operations come from?

PTS: 1 REF: 94