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Part A:	Question 1
0)	1- Server access logs
	- Contains information such as page requests and responses
	- During an attack, records the direction of the attack
	not replaced to connect delimit printed to
	2- Server error logs
	- The system logs suspicions activity in the network.
	- Get a glimps of what we're dealing in the network
	agree property been a property to the second of the second
	3-
	- making 22 by it the with the set of
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L)	- Identify the source of the enail through ip address
	- Analyze browsing activity before and after composing the email
	- Identify address of the computer from which the email
	is originated
	- Alternative in ease logs of servers aren't available.
c)	1-Identify and determine incident based on network indicators
	2- Close way to the network
	3- Isolate and preserve data, attempt to retirieve all
	volotile data with live acquisition
	4- Acquire compromised drives make a bovensic image
	5- Examine data and compare to original installation
	image using hash values
	6- Analyze and investigate the data
	7- Draw conclusion and presentation

Question 2

a) 1- Collection of too many irrelevant data and evidence to the case 2- Threestigation takes a long time 3- Straining limited resources on investigation 4- Weak evidence and case when presenting to

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Japan at the second and a second and the second and the second as the se (b) For example when investigating a case involving compromised data of a company, we would need to follow company's ethic on what data will be used as evidence without revealing sensitive data. In conse of network attack, we night only need to look at the network logs to identity the case.

20/0/10/2 + 200 2224/52 30 2001 2203 Mi 30000 c) - Determine the scope of the data to collect to present trom revealing sensitive data - Follow company policy on the permitted location E Requests permission before gathering evidence Lt investigation regulres more widence, request for court proceedings to investigate.

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anestion 1 I- Secure endence by capturing live data on the ram then shutting down the system and collects the disk drive. Secure the disk drive in onk-static 2- Secure the disk drive in anti-state bag and send it to forensic lab 3- Attoch a write-blocker on the dish drive before connecting to computer to avoid manipulating data 4. Perform disk imaging on the drive using software such as fthe imager. 3773100 - 11/ 300 - 32-3/1-5875 1000 - 31 100 - 11/10 - 11/10 - 11/10 5 - Validate the image using hash values. b) Let's say it is a file with pag extension. Using software like Hex Editor check the headers of the file and compare it to the extension. If the header is not %PNG then the file extension was modified. c) - Seevet, pdf has a correct pdf headers while Secret-Me. pdf does not. - Edit the first 4 bytes of Secret-Me. pdf to 25 50 44 46 to motch Secret. pdf headers. d) I- Brute force and dictionary attack to find the correct password. Example tools are Passper for ZIP file or Possfab for Microsof Word file. 2- Finding clues on the possonord using investigation tools such as forensic Toolkit.

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there the emails originating from and it's destination. Example tool that can analyze email headers is Mx ToolBox.

Then, we analyze suspect's image drive to find additional evidence such as deleted emails. We can analyze this image using Forensic Toolkit.

- 6- From the evidence analysis we record our findings on the case such as the reason for disclosing evidence, and the party involved in the crime.
- 7- Present our Kindings to the company.
- c) To focus the scope of the investigation on party involved in the crime and the amount of information disclosed To respect company's private information by collecting only the necessary data as evidence.

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