CompTIA Security+ Guide to Network Security Fundamentals 5th Edition Ciampa Test Bank Full Download: http://alibabadownload.com/product/comptia-security-guide-to-network-security-fundamentals-5th-edition-ciampa Name: Class: Date: Chapter 2 *Indicate whether the statement is true or false.* 1. Because of how a rootkit replaces operating system files, it can be difficult to remove a rootkit from a system. a. True b. False 2. Spreading similarly to a virus, a worm inserts malicious code into a program or data file. a. True b. False 3. Successful attacks on computers today consist of a single element, malicious software programs that are created to infiltrate computers with the intent to do harm. a. True b. False 4. A macro is a series of instructions that can be grouped together as a single command. a. True b. False 5. Software keyloggers are programs that silently capture all keystrokes, including passwords and sensitive information. a. True b. False Indicate the answer choice that best completes the statement or answers the question. 6. Which of the following is malicious computer code that reproduces itself on the same computer? a. virus b. worm c. adware d. spyware 7. Of the three types of mutating malware, what type changes its internal code to one of a set number of predefined mutations whenever it is executed? a. Oligomorphic malware b. Polymorphic malware c. Metamorphic malware d. Statimorphic malware 8. What term below is used to describe a means of gathering information for an attack by relying on the weaknesses of individuals? a. Phreaking b. Hacking c. Social engineering d. Reverse engineering 9. What type of malware consists of a set of software tools used by an attacker to hide the actions or presence of other types of malicious software, such as Trojans, viruses, or worms? b. backdoor a. rootkit c. wrapper d. shield

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10. How many differ a. 50 b. 60 c. 70 d. 80	ent Microsoft Windov	ws file types can be infected with a viru	is?
	g virus code into diffe	nniques utilizes encryption to make viru rent pieces and inject these pieces throu	us code more difficult to detect, in ughout the infected program code. What
c. Swiss cheese	d. split		
12. Computer code the event is known as a? a. Trojan c. macro virus	nat is typically added b. logic bomb d. metamorphic vir		nt until it is triggered by a specific logical
13. What is the terma. Spamb. Spimc. Splatd. Crust	used to describe unso	licited messages received on instant me	essaging software?
14. The two types of a. Viruses and troc. Trojans and w	ojans b. Rootkits		
15. Which of the followa. Circulation b. Infection c. Concealment d. Source	owing is not one of th	e four methods for classifying the various	ous types of malware?
	ctions that can be grounted series of tasks are b. A macro d. A process	uped together as a single command and known as:	I are often used to automate a complex
17. A virus that infec a. macro virus c. companion vir	b. program vir	us	
a. Trojan b. v	ware is heavily depen worm virus	ident on a user in order to spread?	

19. What type of attack is targeted against a smaller group of specific individuals, such as the major executives working for a manufacturing company?

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a. Spam			
b. Adware			
c. Watering	Hole		
d. Typo Squa	atting		
20. Select below malicious:	the type of malware that appear	ars to have a legitimate use, but act	tually contains or does something
a. script	b. virus		
c. Trojan	d. worm		
21. What type of a. Botnet	system security malware allov	ws for access to a computer, progra	am, or service without authorization?
b. Zombie			
c. Backdoor			
d. Command	and Control		
22. The physical known as?	procedure whereby an unautho	orized person gains access to a loca	ation by following an authorized user is
a. Dumpster	diving		
b. Tailgating	•		
c. Stalking			
d. Shadowing	g		
23. Malware that	locks or prevents a device fro	m functioning properly until a fee	has been paid is known as:
a. Lockware			
b. Ransomwa	are		
c. Stealware			
d. Hostagewa	are		
and is typically ir	ncluded in malware?	vertising content in a manner that i	is unexpected and unwanted by the user,
	b. Keylogger		
c. Spam	d. Trojan		
	l was no longer included in M		l set of commands, key combinations, or their Trustworthy Computing initiative?
c. bug	d. Easter egg		
Enter the appro	priate word(s) to complete	the statement.	
26. A macro virus operating system.		" relationship	between the application and the
27. A(n)types on the comp	is either a sn puter's keyboard.	nall hardware device or a program	that monitors each keystroke a user

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28. In the positions throughou	techniq tthe host program, over	ue, the virus is divided into several part rwriting the original contents of the hos	ts and the parts are placed at random st.
29. Malicious softw	vare, or	, silently infiltrate computers v	with the intent to do harm.
30without their conse	is a general term usent.	ed to describe software that secretly spi-	es on users by collecting information
a. Adware c. Botnet e. Hoax g. Logic bomb		te definitions.	
i. Spear phishing31 A software pros		tising content in a manner that is unexp	nected and unwanted by the user
		t is triggered by a specific logical event	•
-		under the control of an attacker.	
34. A false warning	g designed to trick users	into changing security settings on their	· computer
35. A phishing attac	ck that uses telephone ca	alls instead of e-mails.	-
36. Software code t	hat gives access to a pro	ogram or a service that circumvents nor	rmal security protections.
37. A computer vir	us that is written in a scr	ipt known as a macro	
38. Software or a h	ardware device that capt	ures and stores each keystroke that a us	ser types on the computer's keyboard.
39. A phishing attac	ck that targets only spec	ific users	
40. Malicious comp	outer code that, like its b	iological counterpart, reproduces itself	on the same computer.
41. What is a worm	?		
42. Describe adwar	e.		
43. How does a roo	tkit work?		
44. What is a backe	loor and what is it used	for?	
45. What are some	of the functions perform	ned by viruses?	

46. What is malware?

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- 47. Explain how an appender infection works.
- 48. Describe a macro virus.
- 49. Due to the prevalence of text filters for filtering spam, how have spammers modified their attacks?
- 50. What are botnets?

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Answer Key		
1. True		
2. False		
3. False		
4. True		
5. True		
6. a		
7. a		
8. c		
9. a		
10. c		
11. c		
12. b		
13. b		
14. a		
15. d		
16. b		
17. b		
18. d		
19. c		
20. c		
21. c		
22. b		
23. b		
24. a		
25. d		

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26. trust		
27. keylogger		
28. split infection		
29. malware		
30. Spyware		
31. a		
32. g		
33. c		
34. e		
35. j		
36. b		
37. h		
38. f		
39. i		
40. d		
41. A worm is a malicious program that uses a computer r the network then take advantage of vulnerability in an app		

- 42. Adware delivers advertising content in a manner that is unexpected and unwanted by the user. Once it becomes installed, it typically displays advertising banners, popup ads, or opens new web browser windows at random intervals.
- 43. One approach used by rootkits is to alter or replace operating system files with modified versions that are specifically designed to ignore malicious activity. For example, on a computer the anti-malware software may be instructed to scan all files in a specific directory and in order to do this, the software will receive a list of those files from the operating system. A rootkit will replace the operating system's ability to retrieve a list of files with its own modified version that ignores specific malicious files. The anti-malware software assumes that the computer will willingly carry out those instructions and retrieve all files; it does not know that the computer is only displaying files that the rootkit has approved.
- 44. A backdoor gives access to a computer, program, or service that circumvents any normal security protections. Backdoors that are installed on a computer allow that attacker to return at a later time and bypass security settings.
- 45. Viruses have performed the following functions:
- Caused a computer to crash repeatedly
- Erased files from a hard drive
- Made multiple copies of itself and consumed all of the free space in a hard drive
- Turned off the computer's security settings

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- Reformatted the hard disk drive
- 46. Malware is software that enters a computer system without the user's knowledge or consent and then performs an unwanted—and usually harmful—action. Malware is a general term that refers to a wide variety of damaging or annoying software programs. One way to classify malware is by its primary objective. Some malware has the primary goal of rapidly spreading its infection, while other malware has the goal of concealing its purpose. Another category of malware has the goal of making a profit for its creators.
- 47. The virus first appends itself to the end of a file. It then moves the first three bytes of the original file to the virus code and replaces them with a "jump" instruction pointing to the virus code. When the program is launched, the jump instruction redirects control to the virus.
- 48. A macro virus is written in a script known as a macro. A macro is a series of commands and instructions that can be grouped together as a single command. Macros often are used to automate a complex set of tasks or a repeated series of tasks. Macros can be written by using a macro language, such as Visual Basic for Applications (VBA), and are stored within the user document (such as in an Excel .XLSX worksheet). A macro virus takes advantage of the "trust" relationship between the application (Excel) and the operating system (Microsoft Windows). Once the user document is opened, the macro virus instructions execute and infect the computer.
- 49. Spammers have turned to image spam, which uses graphical images of text in order to circumvent text-based filters.
- 50. Botnets are collections of thousands or even hundreds of thousands of zombie computers are gathered into a logical computer network under the control of an attacker, or bot herder.