



BRAINWARE UNIVERSITY

Term End Examination 2023-2024 Programme - B.Sc.(ANCS)-Hons-2020/B.Sc.(ANCS)-Hons-2021 Course Name - Vulnerability Analysis / Penetration Testing **Course Code - BNCSD601B** (Semester VI)

Full Marks: 60 Time: 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

15

		up-A		
	(Multiple Choice		1 x 15=	
1.	Choose the correct alternative from the following	ng:		
(i)	Which of the following is used to define a block of code in Python language?			
	a) Key	b) Indentation		
	c) Brackets	d) All of these		
(ii)	What is the full form of pip?	d) All of these		
(,	a) Pip Installs Python	h) Din Installe Dackages		
	c) Preferred Installer Program	b) Pip Installs Packagesd) Preferred Installer Program		
(iii)	What is the full form of MAC?	d) Freierred Histalier Frogram		
(,		h) Managan Assas Cantual		
	a) Media Area Control	b) Memory Access Control		
(iv)	c) Memory Area Control	d) Media Access Control		
(10)	Identify what will be the output of the following			
	a) 8	b) 16		
()	c) 64	d) 256		
(V)	(v) Select which of the following commands will create a list.			
	a) list1 = list()	b) list1 = []		
	c) list1 = list([1, 2, 3])	d) All of these		
(vi)	Select the correct statement about sniffing.			
	a) Sending corrupted data on the network to trick a system	b) Capturing and deciphering traffic network	on a	
	c) Corrupting the ARP cache on a target system	d) Performing a password-cracking	attack	
(vii)	Trace which of the following is a countermeas	ure to ARP spoofing		
	a) Port-based security	b) WinTCPkill		
	c) Ethereal	• 10 St.		
(viii)	Discover the best defense against any type of	d) MAC-based security		
	a) Encryption			
	c) Port-based security	b) A switched network		
	c) For t-based security	d) A good security training program	THE WILL WAS STORY	

	(ix) Identify the protocol that can be used to retrie	ve web pages using python.	
	a) urllib	b) bs4	
	c) HTTP	d) none	
	(x) The time taken by a packet to travel from clien	t to server and then back to the client is	
	called Choose the correct one.		
	a) STT	b) RTT	
	c) PTT	TTL (b	
	(xi) Identify when the finally block will be executed	l.	
	a) when there is no exception	b) when there is an exception	
	c) only if some condition that has been specified is satisfied	d) always	
	(xii) Choose the output of the statement '1' $== 1$.		
	a) we get a True	b) we get a True	
	c) an TypeError occurs	d) a ValueError occurs	
	(xiii) Illustrate what is a countermeasure to passive s	sniffing?	
	a) Implementing a switched network	b) Implementing a shared network	
	c) ARP spoofing	d) ARP spoofing	
	(xiv) The default connection type used by HTTP is		
	a) Persistent		
	c) Both	b) Non-persistent d) None	
	(xv) Which of the following malware do not replicat		
	Discover the correct one.	e of reproduce through infection:	
	a) Worms	b) Trojans	
	c) Viruses	d) Rootkits	
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	(Short Answer Ty	/pe Questions)	3 x 5=15
	2.0		
	2. Describe about the network scanner.		(3)
3. Describe about DNS.			
4. Describe about HTTP.			
5. Explain what skills you must have to be a pen-tester.			
	6. Explain with a code how to analyze captured packet		(3) (3)
	Applying house file and six		
	Analyze how to filter traffic.		(3)
100			
	Grou		
	(Long Answer Ty	pe Questions)	5 x 6=30
	7. Define MAC address and its types.		
	8. Describe about DNS Spoofing.		(5)
	Analyze about some security vulnerability types		(5)
10. Analyze the format of MAC Address.			(5) (5)
11. Analyze how to write a script for network scanner.			
12. Explain how to change MAC address using Linux command.			(5) (5)
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	Illustrate python function to find MAC address.		
	The WAC address.		(5)
	· 斯拉尔·伊克克尔· 中国 1987年 19		