





BRAINWARE UNIVERSITY

Term End Examination 2022 Programme – B.Sc.(ANCS)-Hons-2020 Course Name – Security Specialist Course Code - BNCSD502B (Semester V)

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.] Group-A (Multiple Choice Type Question) 1 x 15=15 Choose the correct alternative from the following:

(i) Select the practice and precautions taken to protect valuable information from unauthorized access, recording, disclosure or destruction. a) Network Security b) Database Security c) Information Security d) Physical Security (ii) Select from the options below, which of them is not a threat to information security? a) Disaster b) Eavesdropping c) Information leakage d) Unchanged default password (iii) Select from the options below, which of them is not a vulnerability to information security? a) _{Flood} b) without deleting data, disposal of storage media c) unchanged default password d) latest patches and updates not done (iv) Select the types of VPNs are used for corporate connectivity across companies residing in different geographical location. a) Remote access VPNs b) Site-to-site VPNs c) Peer-to-Peer VPNs d) Country-to-country VPNs (v) Select the type of access list limits the description of traffic by source address. a) Extended b) Named c) Dynamic d) Standard (vi) Identify the correct statement about named ACLs.

a) They support standard and extended ACLs. b) They are used to filter usernames and passwords for Telnet and SSH.

c) They are used to filter Layer 7 traffic. d) They support standard ACLs only.

(vii) Host is able to ping a web server but it is not able to do HTTP request. Choose the most likely cause the problem

a) ACL blocking port 23 b) ACL blocking all ports c) ACL blocking port 80 d) ACL blocking port 443

'viii) Choose Port Address Translation is also termed as

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398, Framishing.	Agui Rc .J, Bai NAT Fast	b) NAT Static	
Kolkaia, Wes	1 Bengal-7001c) NAT Overload	d) Overloading Static	
	(ix) Choose the following is considered to be the	destination host before translation in	n NAT
	a) Inside local	b) Outside local	
	c) Inside global	d) Outside global	
	(x) Governments hired some highly skilled hacke termed as	ers. Classify these types of hackers ar	e
		11.5	
	a) Special Hackers c) Cyber Intelligence Agents	b) Government Hackers	
	(xi) Someone (from outside) who tests security is	d) Nation / State sponsored hacke	
	or application, and classify who is not a part of	_	.em
	a) Black Hat hacker	b) External penetration tester	
	c) Blue Hat hacker	d) White Hat Hacker	
	(xii) Choose the following networks extends a priv		
	a) local area network	b) virtual private network	
	c) enterprise private network	d) storage area network	
	(xiii) Select statement will block traffic for a server		
	a) Router(config)#access-list 90 deny ip host	b) Router(config)#access-list 90 de	env top anv
	192.168.1.5 eg 22	host 192.168.1.5 eq 22	, , , , , , , , , , , , , , , , , , , ,
	c) Router(config)#access-list 199 deny tcp	d) Router(config)#access-list 199 (deny tcp any
	host 192.168.1.5 any eq 23	host 192.168.1.5 eq 22	
	(xiv) Validate the command would you place on in	terface connected to the Internet	
	a) ip nat inside	b) ip nat outside	
	c) ip outside global	d) ip inside local	
	(xv) Validate the command will show you all the tr	anslations active on your router?	
	a) show ip nat translations	b) show ip nat statistics	
	c) debug ip nat	d) clear ip nat translations *	
Ė		up-B Type Questions)	2 v E_15
	(Short Answer	Type Questions)	3 x 5=15
4	2. Explain the objective of information security with	nin an organization	(3)
	3. Explain Symmetric and Asymmetric Encryption		(3)
	4. Describe IPSec VPN		(3)
	5. Explain Static NAT with proper diagram		(3)
	6. Explain the advantages of Tacacs+ over Radius?	•	(3)
		R	
	Discuss Radius client		(3)
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	·	up-C	F (C-20
	(Long Answer Ty	ype Questions)	5 x 6=30
	7 Evaluin private key and public key		(5)
	Explain private key and public key.What is NAT?	,	(5) (5)
	9. What is Access Control List?		(5) (5)
	10. What is site to site and Remote Access VPN.		(5)
	11. Discuss the Advantages and Disadvantages of Im	plementing NAT.	(5)
	12. What is Tacacs server?		(5)
	O	R .	• • •
•	Discuss the advantages of implementing NAT.		(5)