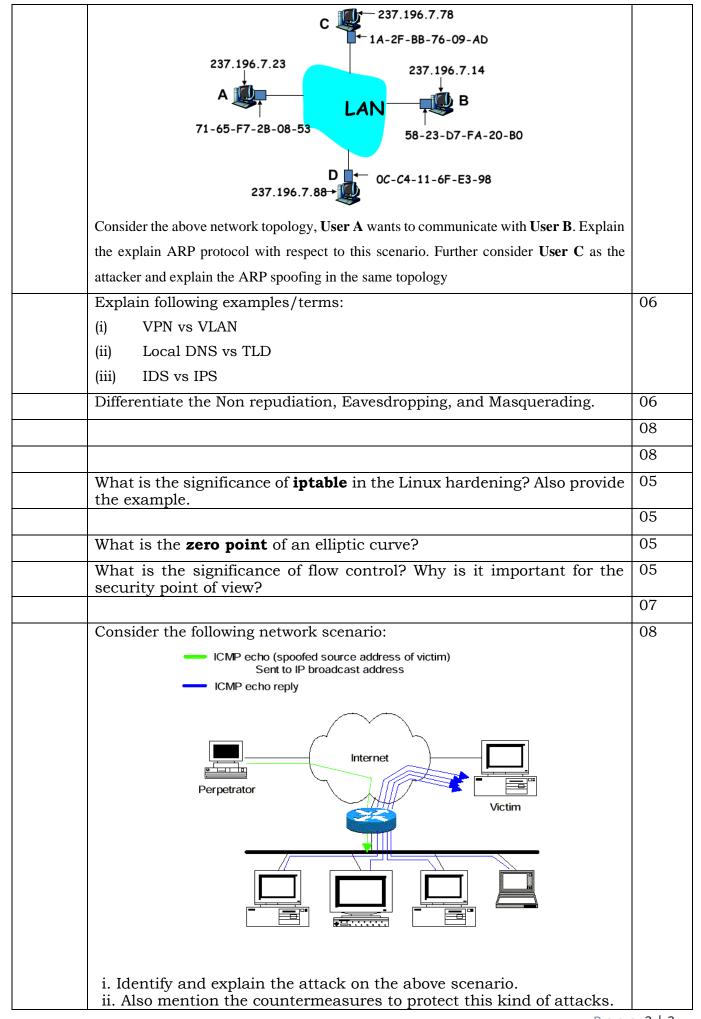


National Forensics Sciences University

Subject Name- Network Security & Forensic

Q. N.	Question	Marks
Q.1 (A)		05
(B)		05
Q.2 (A)	Explain the rotor machine in detail.	05
(B)		05
(2)		
Q 3 (A)	What is digital signature? What is the use of message digest in Digital Signature?	05
		05
Q 4 (A)	What are the IEEE 802.11 standards for WLAN architectures?	05
(B)	Write short notes on wireless PAN?	05
Q 5		10
	II.' DOA 1 '/1 D' 1 1 1 'C 11 O O D / (NIDOIT)	0.7
Q 6	Using RSA algorithm, Find n, d, and c, if p=11, q=3, e=3. Encrypt "NFSU" Message.	07
	What is TCP Session Hijacking? How is it done?	05
	Differentiate the Host and Network-Based Intrusion Detection Systems	05
	Explain RC-4 encryption technique.	05
	Consider the following Network:	08
	Consider the roll in the roll in	



Encrypt the following message using Playfair cipher .	05
Message: quillaja	
Keyword: jonquil	
Use Vigenere Cipher with key HEALTH to encrypt the message "I	Life is 05
full of surprises".	
With the help of example, define virtual private network (VPN)? How	v does 05
it provide the end-to-end security?	
What is meant by piggybacking? What are its advantages disadvantages?	and 05
What is the standard procedure used for network forensics?	05
What is Live Acquisition? How is it performed?	05
Explain the brute force attack. How to prevent it?	05
What is port scanning?	05
What is MITM attack?	05
Explain TCP Three-way handshake.	05
What are the disadvantages of penetration testing?	05
Explain the concept of cross-site scripting.	05
What are the risks associated with public Wi-Fi?	05
What are differences between symmetric encryption and asymmetric	metric 05
encryption?	
Explain a buffer overflow attack.	05
Name some tools used for packet sniffing.	05
What do you understand by Risk, Vulnerability & Threat in a netwo	rk? 05
Explain SQL Injection and how to prevent it?	05
One of the staff members in XYZ subscribes to many free magazines	. Now, 05
to activate her subscriptions one of the magazines asked for her mo	nth of
birth, second asked for her year of birth, the other one asked for	or her
maiden name.	
What do you infer from this situation? Justify.	
What is Cross-Site Scripting and how it can be prevented?	05
What tcpdump and pcap? Explain.	05
Explain various ways in which data integrity can be verified?	05
	05
What is Directory Listing? What is its impact? How to prevent it?	05
Will cyber warfare replace traditional warfare?	05
What are the defining characteristics of information warfare?	05