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SARDAR PATEL UNIVERSITY MASTER OF SCIENCE (INFORMATION TECHNOLOGY) SEMESTER - III COURSE PS03CINT03 (INFORMATION SECURITY) Thursday April 7th 2016

Tir	ne:	2:30 pm to 5:30 pm		Max. Marks:	70
Q-1	Cho	oose the most appropriate option for	uestion:	[8]	
	1. What is the range of the first byte in a class C address?				
	A)	1 to 127	B)	128 to 191	
	C)	192 to 223	D)	224 to 239	
2.	Wha	at is the act of providing wrong source			
	A)		B)	Sniffing	
	C)	Firewall	D)	Spoofing	
3.	Whi	ch of the following is not a type of fir			
	A)	Network level gateway	B)	Application level gateway	
	C)	Circuit level gateway	D)	Packet filtering firewall	
4. A collection of algorithms and associated procedures for hiding and unhiding information					
	calle	ed -			
		Cryptology	B)	Cryptosystem	
_	C)	Cryptanalysis	D)	None of these	
5.		at is the most common use of PGP?			
	A)	2 2	B)	Hiding messages	
C) Hiding filesD) Sending filesWhich of the following is not a form of authentication under IIS?				Sending files	
0.	WILL	ch of the following is not a form of au			
	C)	Basic SSL	B)	Advanced	
7			D)	Challenge-response	
/•	A)	What is the name of the default Java security policy file? A) java.policy B) java.security			
	C)	policy.java	B) D)	java.security	
8.	_	t is the full form of CGI?	D)	security.java	
•	A)	Common Gateway Interaction	B)	Computer Gateway Interface	
	C)	Common Gateway Interface	D)	Computer Gateway Interface	
			, ,	Computer Gateway Interface	
Q-2	2 Answer the following questions (Any Seven):				
	List the degrees of trust in PGP.				[14]
	Explain in brief the functionality of the ifconfig and ipconfig commands.				
	Give the full forms of DNS and DHCP.				
	What is a firewall? What are the elements / activities that they can control?				
	List goals of cryptography.				
	Differentiate between symmetric and asymmetric cryptography.				
7.	Give the reasons as to why should we use PGP.				
	5110	me reasons as to willy should we use	rur.		

8. Explain the IIS directory structure in brief. 9. Which programming languages can be used to write CGI programs? What is the output of a CGI program? Q-3 Answer the following questions: A. Write a short note on any three network configuration files or commands. [6] **B.** Write a short note on IP sniffing and spoofing. [6] **B.** Explain the functioning of different types of firewalls in brief. [6] Q-4 Answer the following questions: A. Write a short note on the working and advantages of firewalls. [6] B. List basic encryption techniques. Explain any two techniques with examples. [6] B. Write a short note on public key cryptography. [6] Q-5 Answer the following questions:

A. What are the steps to configure and setup PGP? Explain PGP Key Rings.

B. Write any six options to the pgp command along with their functions.

[6]

OR

B. Explain security subsystem of Windows NT. [6]

Q-6 Answer the following questions:

- A. Explain user accounts, groups, roles, rights and permissions with respect to Windows NT. [6]
- B. Write a short note on Java security. [6]

OR

B. Write a short note on CGI security. [6]

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