

GUJARAT TECHNOLOGICAL UNIVERSITY
ME – SEMESTER II (NEW) – • EXAMINATION – SUMMER 2016

Subject Code: 2725601**Date: 24/05/2016****Subject Name: Ethical Hacking****Time: 10:30 am to 01:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks

Q.1	(a)	Explain each phase of ethical hacking process in detail.	07
	(b)	(1) Discuss various types of hackers.	04
		(2) Define : Vulnerability, Banner Grabbing, Pen testing	03
Q.2	(a)	Explain nslookup usage with various command and switches.	07
	(b)	Explain various port scan using nmap with commands.	07
		OR	
	(b)	Explain traceroute/tracert execution with sample output.	07
Q.3	(a)	Explain various types of DNS records and DNS zone transfer.	07
	(b)	(1) What is google hacking? Explain with example.	04
		(2) Explain IP spoofing.	03
		OR	
	(a)	Explain various social engineering attacks and counter measures.	07
	(b)	(1) Differentiate active and passive reconnaissance along with various tools to perform it.	03
		(2) Explain ping of death and ping sweep.	04
Q.4	(a)	Explain sql injection attack with example and mention intents of it.	07
	(b)	(1) Briefly explain IDS.	03
		(2) Explain DoS and DDoS attack.	04
		OR	
Q.4	(a)	Explain honeypot with deployment diagram in network setup and benefits of it.	07
	(b)	(1) Explain buffer overflow in brief.	04
		(2) Explain trojan, worm and backdoor.	03
Q.5	(a)	What is cyber crime? Explain cyber stalking and cybercriminal.	07
	(b)	Explain digital signature generation and its application in security.	07
		OR	
Q.5	(a)	Explain various types of cyber crimes in details.	07
	(b)	What is infringement and copyright? What is the copyright act in india?	07
