Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2013

Subject code: 725106 Subject Name: Ethical Hacking and Cyber Laws Time: 10.30 am – 01.00 pm

Date: 05-06-2013

Total Marks: 70

Instructions:

- 1. Attempt question 1, which is compulsory and answer any four from the rest questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right hand indicate the marks.

Q. No. 1

- a. What do you mean by banner grabbing? Discuss the importance of banner grabbing in VA/PT/EH. [7 Marks]
- b. What do you mean by automated vulnerability assessment tool? Explain its general working in detail with one example. [7 Marks]

Q. No. 2

- a. What is nslookup? Explain in detail about the various information, which can be gathered using nslookup. [7 Marks]
- b. What do you mean by google hacking? Explain in detail with some examples. [7 Marks]

Q. No. 3

- a. Explain the difference between ping sweeping and port scanning in detail. [7 Marks]
- b. What do you mean by spoofing? Explain the details of various types of spoofing. [7 Marks]

Q. No. 4

- a. What is social engineering? Explain in detail any two social engineering attack and it's implication on an organization. [8 Marks]
- b. Explain in detail about High-level assessments, Network Evaluations and Penetration Tests. [6 Marks]

Q. No. 5

a.	What is netcat? Explain some of its uses in penetration testing and hacking.	[7 Marks]
b.	What do you mean by nmap? Explain the nmap scanning process.	[7 Marks]

Q. No. 6

a.	What do you mean by Metasploit? Explain some of the features and advantages of using a	
	framework like msf.	[7 Marks]
b.	Explain SMTP enumeration in detail.	[7 Marks]

Q. No. 7

- a. What do you mean ROE? Explain the different components of an ROE. [7 Marks]
- b. What is trace-route? Discuss the internal working of trace-route command utility. What are the various practical uses of trace-route? [7 Marks]

Q. No. 8

a. What do you mean by DNZ Zone? What are the various types of DNS zones? How DNS Zones are relevant in VA/PT? [7 Marks]
b. Discuss the various modes of Ethical Hacking in detail. [7 Marks]
