

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2013

Subject code: 725106

Date: 05-06-2013

Subject Name: Ethical Hacking and Cyber Laws

Time: 10.30 am – 01.00 pm

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]
