M. Tech. 2nd Semester

(Cyber Forensics and Information Security)
Examination, May–2015

ETHICAL HACKING AND DIGITAL FORENSICS

Paper–MTCF-201

Time allowed : 3 hours]   [Maximum marks : 100

Note : Attempt any *five* questions in total, selecting **one** question from each section and **question No. 1** is **compulsory.**

1. (a) What is ethical hacking ?   20
   (b) Differentiate between ethical hacker and cracker.
   (c) What is cyber stalking ?
   (d) What is Spamming ?
   (e) What is Phishing attack ?
   (f) What is spoofing ?
   (g) What is web jacking ?
   (h) What is computer forensics ?
   (i) What is neural network ?
   (j) What is firewall ?

Section–A

2. What is network hacking ? Explain in detail with the help of suitable example.   20

3. Write note on :   20
   (i) SQL injection for web hacking.
   (ii) Windows password hacking.

Section–B

4. Write a detailed note on SYN attacks and Smurf attacks.   20

5. What are different types of firewalls ? Explain the security aspects of packet filter firewalls and packet inspection firewalls.   20

Section–C

6. Write a detailed note on HIDS. Explain penetrating testing process and its importance.   20

7. What is computer fraud ? What are its different categories ? Explain each category by considering a suitable example of each category.   20

Section–D

8. What is computer forensics ? Why it is so important for today cyberspace scientists / ethical hackers to have detailed knowledge of different steps for physical and logical evidence collection processes. List the steps for key fraud signature selection process.   20

9. Write note on : http://www.HaryanaPapers.com
   (i) Key fraud indicators
   (ii) Journaling and its requirements.   20