

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 2289963

Roll No.

B. TECH.

Regular Theory Examination (Odd Sem - VII), 2016-17

ETHICAL HACKING AND PREVENTION

Time : 3 Hours

Max. Marks : 100

Note: Attempt **all** Sections. If require any missing data; then choose suitably.

SECTION - A

1. Attempt all questions in brief. (10×2=20)

- a) What is Ethical Hacking?
- b) Explain Foot printing.
- c) What is Social Engineering?
- d) What is Steganography?
- e) Define penetration Testing.
- f) What is Cryptography?
- g) Define Reverse Engineering.
- h) What is Email Hacking?
- i) What is Firewall?
- j) Define Sniffer.

SECTION - B

2. **Attempt any three of the following** (3×10=30)
- Differentiate between Hacker & Cracker. List out some of the common tools used by Ethical hackers? And explain it in detail.
 - Explain the various types of attackers in the Context of the vulnerabilities associated with computer .
 - What is DOS (Denial of service) attack? What are the common forms of DOS attack?
 - Explain Ethical Responsibilities, professional integrity and making appropriate use of the tools and techniques associated with ethical hacking.
 - Define Mobile phone Hacking Basic ethical hacking tools and usage of these tools in a professional Environment.

SECTION - C

3. **Attempt any one part of the following:** (1×10=10)
- What are the types of computer based social engineering attacks? Explain what is Phishing?
 - What is the difference between IP address and Mac address? Explain Windows Hacking.
4. **Attempt any one part of the following:** (1×10=10)
- Define System and Network Vulnerability and Threats to Security in ethical hacking.

- b) Define information systems and networks physical security & Explain Steganography in detail.
5. **Attempt any one part of the following: (1×10=10)**
- a) What is SQL injection? Explain Cross-site scripting and what are the types of cross site scripting?
- b) Explain Firewall & Honeypots in detail.
6. **Attempt any one part of the following: (1×10=10)**
- a) Explain Ethical Responsibilities, professional integrity and making appropriate use of the tools and techniques associated with ethical hacking.
- b) Explain Legal, professional and ethical issues likely to face the domain of ethical hacking.
7. **Attempt any one part of the following: (1×10=10)**
- a) What is footprinting in ethical hacking? What are the techniques used for footprinting?
- b) Define wireless Hacking & its various tools in detail.

