Printed Pages: 3   **NOE - 076**

(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.

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SECTION - B

2. **Attempt any three of the following** (3×10=30)

a) Differentiate between Hacker & Cracker. List out some of the common tools used by Ethical hackers? And explain it in detail.

b) Explain the various types of attackers in the Context of the vulnerabilities associated with computer.

c) What is DOS (Denial of service) attack? What are the common forms of DOS attack?

d) Explain Ethical Responsibilities, professional integrity and making appropriate use of the tools and techniques associated with ethical hacking.

e) 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)

a) What are the types of computer based social engineering attacks? Explain what is Phishing?

b) What is the difference between IP address and Mac address? Explain Windows Hacking.

4. **Attempt any one part of the following:** (1×10=10)

a) Define System and Network Vulnerability and Threats to Security in ethical hacking.

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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.

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