

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/  
MANAGEMENT/COMMERCIAL PRACTICE, APRIL – 2023**

**ETHICAL HACKING**

[Maximum Marks: 100]

[Time: 3 Hours]

**PART-A**

[Maximum Marks: 10]

I. (Answer **all** questions in one or two sentences. Each question carries 2 marks)

1. List any two malwares.
2. State PoD attack.
3. Mention the purpose of whois command.
4. Define SMB.
5. Write any two tools using for wireless hacking. (5 x 2 = 10)

**PART-B**

[Maximum Marks: 30]

II. (Answer **any five** of the following questions. Each question carries 6 marks)

1. Differentiate between DoS and DDoS attacks.
2. Describe Competitive Intelligence.
3. Explain about ping sweeps.
4. Write a short note on NetBIOS.
5. Describe the countermeasures against attack on Linux OS.
6. Write a short note on Cross site scripting flaws.
7. Explain the components of Wireless network. (5 x 6 = 30)

**PART-C**

[Maximum Marks: 60]

(Answer **one** full question from each Unit. Each full question carries 15 marks)

**UNIT – I**

- III. a. Compare Brute-force attack and Dictionary attack. (8)
- b. Describe how to protect our computer system or network from malware attacks. (7)

**OR**

- IV. a. Describe malicious softwares Spyware and Adware. (8)  
b. Explain Man-in-the-Middle and Session hijacking network attacks. (7)

**UNIT – II**

- V. a. Explain about various types of port scanning techniques. (8)  
b. Describe DNS zone transfer process with a figure. (7)

**OR**

- VI. a. Explain about any three Social engineering techniques. (9)  
b. Describe features of tools Nmap and Unicornscan. (6)

**UNIT- III**

- VII. a. Explain the two Windows file systems. (8)  
b. Describe about the best practices for hardening Windows systems. (7)

**OR**

- VIII. a. Describe RPC and Buffer overflow vulnerabilities in Windows. (8)  
b. Explain Common Internet File System. (7)

**UNIT - IV**

- IX. a. Explain Web application vulnerabilities CGI and ASP. (8)  
b. Describe about Wardriving in Wireless Networks. (7)

**OR**

- X. a. Explain any four tools of web attackers. (8)  
b. Describe about the features of Netstumbler and Kismet tools. (7)

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