

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/  
MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 2018**

**ETHICAL HACKING**

[Time : 3 hours

(Maximum marks : 100)

**PART — A**

(Maximum marks : 10)

Marks

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

1. Define ethical hacking.
2. What is mandatory access control ?
3. Differentiate between port scanning and ping sweeping.
4. What is a null session ?
5. What is an access point in wireless networks ?

(5×2 = 10)

**PART — B**

(Maximum marks : 30)

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

1. Differentiate DoS and DDoS.
2. Explain about adware and spyware.
3. Explain the method of DNS zone transfer.
4. Explain two port scanning tools.
5. Explain the counter measures against Linux attacks.
6. Explain war driving.
7. Explain the components of a wireless network.

(5×6 = 30)

## PART — C

(Maximum marks : 60)

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

## UNIT — I

- III (a) Explain two network attacks. 8  
 (b) Explain about Trojan program. 7

OR

- IV (a) Explain viruses and worms. 8  
 (b) Explain how to protect against malware attacks. 7

## UNIT — II

- V (a) Explain four types of port scans. 8  
 (b) Explain how to craft an IP packet. 7

OR

- VI (a) What is social engineering ? Explain two social engineering attack. 8  
 (b) Explain how to conduct ping sweep. 7

## UNIT — III

- VII (a) Explain two tools for identifying Linux vulnerabilities. 8  
 (b) Explain about NetBIOS. 7

OR

- VIII (a) Explain windows file system. 8  
 (b) Explain what policies should be taken for windows password and authentication. 7

## UNIT — IV

- IX (a) Explain web application vulnerabilities. 8  
 (b) Explain the counter measures against wireless attacks. 7

OR

- X (a) Explain the tools used by web attackers. 8  
 (b) Explain the components of a web application. 7