

TED (15) – 5135

Reg. No.

(REVISION — 2015)

Signature

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 2019

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. What is the need for ethical hacking ?
2. Define malware.
3. Define footprinting.
4. List any two vulnerabilities in Windows OS.
5. What are the components of a wireless network ?

(5×2 = 10)

PART — B

(Maximum marks : 30)

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

1. Explain distributed denial of service attack.
2. Explain any two port scanning tools.
3. Explain how to craft IP packets.
4. Explain Windows server message block and null session.
5. Describe the countermeasures against Linux attacks.
6. Describe about wardriving.
7. Explain the components of web applications.

(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) Discuss viruses and worms. 8
 (b) Explain buffer overflow attack. 7

OR

- IV (a) Explain any two network attacks. 8
 (b) Compare Trojan programs and Spyware. 7

UNIT — II

- V (a) Explain different types of port scans. 8
 (b) Explain Shoulder surfing. 7

OR

- VI (a) What is social engineering ? Explain any two social engineering attack. 8
 (b) Explain DNS zone transfer. 7

UNIT — III

- VII (a) Explain Windows File System. 8
 (b) Explain about Windows Vulnerabilities. 7

OR

- VIII (a) Describe any three counter measures against Linux OS attacks. 9
 (b) Explain two tools for identifying Linux vulnerabilities. 6

UNIT — IV

- IX (a) List and explain web application vulnerabilities. 9
 (b) List and explain the tools used by web attackers. 6

OR

- X (a) What is wireless hacking ? Explain the tool used for wireless hacking. 8
 (b) List any seven counter measures against wireless attacks. 7