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(Revision-2015)

A21-08259

Reg.No.....

Signature.....

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE, APRIL-2021

ETHICAL HACKING

[Maximum marks: 75] (Time: 2.15 Hours)

PART – A

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

1. Define ethical hacking.
2. What is footprinting?
3. What is RPC?
4. List two tools used for wireless hacking
5. What is an access point in wireless network? (3 x 2 = 6)

PART – B

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

1. Explain buffer overflow attack
2. Compare spyware and adware.
3. Explain any three web tools used in footprinting.
4. Discuss about crafting IP packets.
5. Explain Null session and SMB.
6. Describe what policies should be taken for windows password and authentication.
7. Illustrate the method of wardriving. (4 x 6= 24)

PART – C

Answer ***any of the three units*** from the following. Each full question carries 15 marks

UNIT –I

III (a) Explain virus, worms and Trojan programs. (9)

(b) How to protect against malware attacks? Explain (6)

OR

IV (a) Explain (i) Session Hijacking (ii) Replay Attack (8)

(b) Differentiate between DoS and DDoS (7)

UNIT-II

V (a) What is social engineering? Discuss any two social engineering attacks (8)

(b) Describe the various port scanning tools (7)

OR

VI (a) Illustrate the different types of port scans. (8)

(b) Discuss about DNS zone transfer (7)

UNIT-III

VII (a) What are the best practices for hardening windows systems? (9)

(b) Describe about NETBIOS (6)

OR

VIII (a) Explain windows file system. (8)

(b) List and describe three counter measures against Linux OS attacks. (7)

UNIT-IV

IX (a) Explain the components of a web application. (8)

(b) Discuss about various counter measures against wireless attacks. (7)

OR

X (a) What are the components of a wireless network? Explain. (8)

(b) List and explain the tools used by web attackers. (7)

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