TED (21) 5133B
(Revision - 2021)

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DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/ COMMERCIAL PRACTICE, APRIL - 2025

ETHICAL HACKING

[Maximum marks: 75]   [Time: 3 Hours]

PART A

I. Answer all the following questions in one word or one sentence. Each question carries 1 mark.

(9 x 1 = 9 Marks)

		Module outcome	Cognitive level
1	Define malware.	M1.03	R
2	List the three types of hackers.	M1.01	R
3	What is POD?	M1.04	R
4	List two tools used for ping sweep.	M2.04	R
5	Define piggy backing.	M2.03	R
6	Name two Windows operating system vulnerabilities.	M3.01	R
7	List two counter measures against Linux attacks.	M3.04	R
8	Define SSID.	M4.03	R
9	Name the protocol used by wireless network.	M4.03	R

PART B

II. Answer any eight questions from the following. Each question carries 3 marks.

(8 x 3 = 24 Marks)

		Module outcome	Cognitive level
1	Compare Virus and Worms.	M1.03	U
2	Define replay attack.	M1.04	R
3	Explain Man In the Middle attack.	M1.04	U
4	Define Social Engineering and list two methods for it.	M2.03	R
5	Make use of the Nmap Command to identify the remote Operating system and conduct ping sweep.	M2.04	A
6	Explain Server Message Block.	M3.01	U
7	Summarize Windows RPC.	M3.01	U
8	List six components of a web application.	M4.01	R
9	Explain wireless network components.	M4.03	U
10	Explain Cross Site Scripting.	M4.02	U

PART C
Answer all questions. Each question carries seven marks.

(6 x 7 = 42 Marks)

		Module outcome	Cognitive level
III	Compare Brute force and Dictionary attacks.	M1.04	U
	OR		
IV	Explain DoS and DDoS attacks.	M1.04	U
V	Explain dumpster diving and Phishing.	M2.03	R
	OR		
VI	List the different types of port scans.	M2.04	U
VII	Compare the port scanning tools Nmap and Nessus.	M2.04	U
	OR		
VIII	Explain hping and fping tools and their use.	M2.04	U
IX	Explain the tools for identifying Windows OS vulnerabilities.	M3.01	U
	OR		
X	Summarize the method for hardening Windows OS.	M3.02	U
XI	Explain the guidelines for windows password and authentication.	M3.02	U
	OR		
XII	Summarize the counter measures against Linux attacks.	M3.04	U
XIII	Explain war driving and give the necessary components to conduct war driving.	M4.03	U
	OR		
XIV	List seven web application vulnerabilities.	M4.02	R

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