DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/ COMMERCIAL PRACTICE, NOVEMBER - 2023

ETHICAL HACKING

[Maximum Marks : 75]   [Time : 3 hours]

PART–A

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

(9x1=9 marks)

		Module Outcome	Cognitive level
1	Name any two antivirus software.	M1.03	R
2	Define the term penetration testing.	M1.01	R
3	List any two footprinting tools.	M2.01	R
4	………scan is usually used to bypass a firewall or packet-filtering device.	M2.04	R
5	Nessus is a ………….	M2.04	R
6	Name a Linux file system.	M3.01	R
7	Define NULL session.	M3.01	R
8	Name any two web server software.	M4.01	R
9	Define SSID.	M4.02	R

PART B

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

(8x3=24)

		Module Outcome	Cognitive level
1	Define the term availability in CIA triad with an example.	M1.04	R
2	Compare the malicious action of Virus and Worm.	M1.03	U
3	Explain Ping of death attack.	M1.04	U
4	List any three countermeasures for dumpster diving.	M2.03	R
5	Explain DNS zone transfer.	M2.03	U
6	List any three methods of hardening windows operating system.	M3.02	R
7	List any three measures required for a comprehensive password policy.	M3.02	R
8	Name any three web application components.	M4.01	R
9	Explain Cross Site Request Forgery.	M4.02	U
10	List any three components of a wireless network.	M4.04	R

PART C

Answer **all** questions from the following. Each question carries 7 marks.

(6x7=42marks)

		Module Outcome	Cognitive level
III	Explain DDoS attacks and its countermeasures.	M1.04	U
	OR		
IV	List three types of malicious software. Describe any one of them.	M1.03	U
V	Compare connect-scan and SYN-scan.	M2.04	U
	OR		
VI	Explain shoulder surfing and countermeasures.	M2.03	U
VII	Define footprinting. Explain how footprinting can be conducted.	M2.01	U
	OR		
VIII	Define ping sweep. Name three tools for conducting ping sweep.	M2.04	R
IX	Describe any two tools for identifying vulnerabilities in windows operating system.	M3.01	U
	OR		
X	Compare SMB with Common Internet file system.	M3.01	U
XI	Compare any two file systems of windows operating system.	M3.02	U
	OR		
XII	Explain countermeasures against Linux attacks. List two tools for identifying vulnerabilities in Linux.	M3.04	U
XIII	Explain how to protect a network system against wireless attacks.	M4.03	U
	OR		
XIV	Explain briefly on wardriving and list two tools for conducting it.	M4.04	U

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