

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/  
COMMERCIAL PRACTICE, APRIL - 2024**

**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	What is meant by Keylogger?	M1.01	R
2	Define virus.	M1.02	R
3	List any two malwares.	M1.03	R
4	What is Phishing?	M2.03	R
5	Define port scanning.	M2.04	R
6	What is the use of Windows File System?	M3.01	R
7	List any two tools used for identifying Linux OS vulnerabilities.	M3.03	R
8	Define web server.	M4.01	R
9	What is Injection flaw?	M4.02	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	What is the difference between spyware and adware?	M1.02	R
2	Which are the methods used to protect against malware attacks?	M1.03	R
3	Explain Dictionary Attack.	M1.04	U
4	Show DNS Zone transfer method.	M2.02	U
5	How crafting of IP packets can be done?	M2.04	R
6	What is RPC?	M3.01	R
7	How Linux OS can be protected from various web attacks?	M3.04	R
8	What are the different types of web servers?	M4.01	R
9	Compare Metasploit and Neosploit.	M4.02	U
10	Explain SSID	M4.03	U

**PART C**

**Answer all questions. Each question carries seven marks**

**(6 x 7 = 42 Marks)**

		<b>Module outcome</b>	<b>Cognitive level</b>
III	Explain how viruses differ from worms. <b>OR</b>	M1.03	U
IV	Illustrate Distributed Denial of Service Attack using figure.	M1.04	U
V	Identify any three Foot printing tools. <b>OR</b>	M2.01	A
VI	Compare nmap and Nessus tool.	M2.04	U
VII	Explain in detail competitive intelligence. <b>OR</b>	M2.02	U
VIII	Classify any two attacking techniques used for Social Engineering.	M2.03	U
IX	Explain windows password and authentication policies. <b>OR</b>	M3.01	U
X	Explain any two tools and counter measures against vulnerabilities in Linux OS.	M3.04	U
XI	Demonstrate Common Internet file system. <b>OR</b>	M3.01	U
XII	Explain how hardening of Windows systems can be done.	M3.02	U
XIII	Demonstrate the components of web application. <b>OR</b>	M4.01	U
XIV	Explain War Driving and classify the tools used for War Driving.	M4.03	U

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