


Name:			
Enrolment No:			
UPES End Semester Examination, December 2024			
Course: Ethical Hacking and Penetration Testing Semester: VII Program: B. Tech. CSE + CSF Time : 03 hrs. Course Code: CSSF4016P Max. Marks: 100			
Instructions:			
SECTION A			
1. Each Question will carry 5 Marks			
S. No.		Marks	CO
1	What are the Cyber Crimes possible with Cloud Computing.	5	CO1
2	Differentiate Between Data Base Threats and Web Application Threats.	5	CO2
3	What types of Vulnerabilities are possible in Operating Systems.	5	CO3
4	Write any one tool for Network Scanning and Explain it.	5	CO4
5	What is penetration testing in Web Applications. Explain it with Example.	5	CO5
SECTION B			
1. Each Question will carry 10 Marks			
1	Write steps to DDOS Attack with examples.	10	CO4
2	How man in the middle attack is performed in Network. Explain it	10	CO4
3	Write a report writing steps for a Ethical Hacking Event with case study.	10	CO5
4	How to crack a WiFi using Air Crack NG tool. Write steps.	10	CO5
SECTION-C			
1. Each Question will carry 20 Marks			
1	What is Metasploit? For what purpose it is used? Write down the types of modules available in Metasploit. Write down the steps involved in attacking a machine whose IP address is 192.168.130.13	20	CO2
2	Following is the CASE STUDY given: A multinational corporation's internal network was compromised by a targeted cyber attack, resulting in significant data loss. Investigate the	20	CO5

	<p>spidering techniques employed by the ethical hacking team to assess the network's vulnerabilities, and propose an enhanced security protocol to prevent similar breaches in the future. Discuss the impact of the spidering findings on the corporation's data protection measures and overall cybersecurity strategy</p> <p>OR</p> <p>What is WireShark? How we can scan Ethernet port with this tool. Describe the Case Study.</p>		
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