

(2 Hours)

Total Marks: 50

		<i>Note:</i>	Marks	Course Outcome	Bloom's Level
		<ul style="list-style-type: none"> • Question number Q1 is compulsory • Attempt any two questions out of Q2 to Q5 		CO	BL
Q1.	(a)	Compare White Hat Hackers and Blue Hat Hackers with suitable examples.	[5]	CO 1	BL 2
	(b)	Summarize the key Amendments made to the Indian IT Act (2008).	[5]	CO 1	BL 2
	(c)	Describe the process of Network Scanning and Port Scanning with examples.	[5]	CO 2	BL 2
	(d)	Define Foot printing and explain its objectives with examples.	[5]	CO 2	BL 2
Q2.	(a)	Define an Intrusion Detection System (IDS) and examine the common techniques used to evade IDS.	[8]	CO 2	BL 3
	(b)	Explain what BOTs and BOTNETs are and analyze their use in steganography attacks.	[7]	CO 3	BL 4
Q3.	(a)	What is session hijacking? Explain Session hijacking techniques and session hijacking process.	[8]	CO 4	BL 2
	(b)	What is Pen Testing? Classify types and techniques of pen testing.	[7]	CO 5	BL 3
Q4.	(a)	Describe the main characteristics, service models, and types of Cloud Computing, and highlight its benefits for ethical hackers.	[8]	CO 5	BL 2
	(b)	Explain the concept of SQL Injection, identify common threats, and discuss how SQL Injection Attacks are performed..	[7]	CO 4	BL 4
Q5.	(a)	Differentiate between Active and Passive Foot printing, and illustrate any two techniques used in foot printing.	[8]	CO 2	BL 4
	(b)	Compare a Waterhole Attack and a Brute Force Attack using examples.	[7]	CO 3	BL 2
