



**Question Paper Code: 50013**

B.E. / B.Tech. DEGREE END-SEMESTER EXAMINATIONS – NOV. / DEC. 2024  
Seventh Semester  
Information Technology  
U19CSV24 – CYBER LAW AND ETHICAL HACKING  
(Regulation 2019)

Time: Three Hours

Maximum: 100 Marks

Answer ALL the questions

Knowledge Levels (KL)	K1 – Remembering	K3 – Applying	K5 - Evaluating
	K2 – Understanding	K4 – Analyzing	K6 - Creating

**PART – A**

(10 x 2 = 20 Marks)

Q.No.	Questions	Marks	KL	CO
1.	Infer the meaning of Cyber Pornography.	2	K1	CO1
2.	How Bug exploits work?	2	K2	CO1
3.	Show the guidelines for collection of digital evidence.	2	K2	CO2
4.	Tell Electronic Communications Privacy Act (ECPA).	2	K1	CO2
5.	Define DNS Foot printing	2	K1	CO3
6.	How SNMP Enumeration works?	2	K2	CO3
7.	What is passive sniffing?	2	K1	CO4
8.	Name few of the sniffing tools.	2	K2	CO4
9.	Infer the meaning of SQL injection.	2	K2	CO5
10.	Name one penetration testing tool & briefly outline its working.	2	K2	CO5

**PART – B**

(5 x 13 = 65 Marks)

Q.No.	Questions	Marks	KL	CO
11. a)	Explain different types of Social Engineering Attacks. Write down different ways of preventing social engineering attacks.	(7+6)	K2	CO1

		(OR)			
	b)	What are the components of IT Law? What are the various types of IT Law?	(5+8)	K2	CO1
12.	a)	What are different types of Digital Evidence? What is the process involved in Digital Evidence Collection? State the advantages of digital evidence forensic.	(4+5+4)	K2	CO2
		(OR)			
	b)	Write down the advantage & disadvantages of IPC & CrPC.	(7+6)	K2	CO2
13.	a)	Explain Five Phases of Ethical hacking? Describe NetBIOS Enumeration.	(9+4)	K3	CO3
		(OR)			
	b)	Elaborate the port scanning attack and also explain the ways of preventing port scanning attacks.	6+7	K3	CO3
14.	a)	What are different ways of Session Hijacking? What are the various windows hacking tools?	8+5	K2	CO4
		(OR)			
	b)	Write short note on the following topics:		K2	CO4
		i. Denial-of-Service (DoS) / Distributed Denial-of-service (DDoS).	6		
		ii. Cross-site scripting (XSS).	4		
		iii. DNS Server Hijacking.	3		
15.	a)	What are different types of Bluetooth attacks?	13	K2	CO5
		(OR)			
	b)	i. Differentiate between virus, worm & Trojan Horse.	(4+(3X3))	K3	CO5
		ii. Write Short note on White box Penetration Testing, Black Box Penetration Testing & Grey Box Penetration Testing.			

### PART – C

(1 x 15 = 15 Marks)

Q.No.	Questions	Marks	KL	CO
16.	a) Describe different types of Ethical Hacking. What are the consequences of web application attack?	(8+7)	K2	CO3
		(OR)		
	b) Explain Common types of Web Application Attacks. Write a note of intellectual property.	9 6	K3	CO5, CO2