Reg.No.:						
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### VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN

[AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI] Elayampalayam  $-637\ 205$ , Tiruchengode, Namakkal Dt., Tamil Nadu.

### **Question Paper Code: 5013**

## B.E. / B.Tech. DEGREE END-SEMESTER EXAMINATIONS – MAY / JUNE 2024 Sixth Semester

# Computer Science and Engineering U19CSV24 – CYBER LAW AND ETHICAL HACKING

(Regulation 2019)

Time: Three Hours

Maximum: 100 Marks

### Answer ALL the questions

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

#### PART – A

	THE T	(10 0 0000 1)				
		$(10 \times 2 = 20 \text{ Marks})$				
Q.No.	Questions	Marks	KL	CO		
1.	How does trojan horse works?	-2	K2	CO1		
2.	Define Bug Exploits.	2	K1	CO1		
3.	What is volatile data?	2	K1	CO2		
4.	Write down the Section 65B of Indian Evidence ACT, 1872.	2	K3	CO2		
5.	What is Google Hacking?	2	K1	CO3		
6.	How does port scanning attack works?	2	K3	CO3		
7.	What are called dictionary attacks?	2	K2	CO4		
8.	Briefly write about Phishing.	2	K1	CO4		
9.	Define honey pot attack.	2	K2	CO5		
10.	How does BlueJacking work?	2	K3	CO5		
$PART - B$ $(5 \times 13 = 65 \text{ Marks})$						
Q.No.	Questions	`-		Í		
-		Marks	KL	CO		
11. a)	i. How can we prevent Cyber Crime?	7	K2	CO1		
	ii. Write a short note on Cyber Pornography. (OR)	6	K1			

	b)	i. ii.	What are the copyright issues in cyberspace? Explain the different social engineering techniques.	6 7	K2 K2	CO1
12.	a)	i.	What are the different types of evidence we can collect? Discuss the Process involved in Digital Evidence Collection.	3 +5	K2	CO2
		ii.	Differentiate between IPC & CrPC.  (OR)	5	K4	
	b)	i.	How Does Electronic Communication Privacy ACT work?	5	K2	CO2
		ii.	What are the elements of Indian Evidence ACT? Explain the basic evidence handling procedures.	(4+4)	K2	
13.	a)	i.	Write down some tools used for foot printing.	7	K1	CO3
		ii.	How to Prevent Reconnaissance? (OR)	6	K2	
	b)	i.	Explain the different types of Enumeration Techniques.	8	K1	CO3
		ii.	How windows system hacking can be achieved?	5	K2	
14.	a)	i.	Discuss some of the sniffing tools.	6	K1	CO4
		ii.	How does Intrusion Detection System works? What are the benefits of Intrusion Detection System?  (OR)	(4+3)	K2	
	b)	i. ii.	What are Password Cracking Tools? Explain them. Write Short note on:	5 (4X2=8)	K2 K2	CO4
			<ul> <li>a. Denial-of-Service (DOS) / Distributed</li> <li>Denial-of-Service (DDOS)</li> </ul>			
			b. Cross Site Scripting (XSS)			
			c. MITM Attack			
			d. HTTP response splitting attack			
15.	a)	i.	What are the consequences of Web Application Attacks?	7	K2	CO5
		ii.	How do trozan works? Name some popular types of trozan horses.	6	K2	
			(OR)			
	b)	i.	Differentiate between White box Penetration Testing & black box Penetration Technique.	5	K4	CO5
		ii.	What is the purpose of creating a Malware? How does a Malware spread?	(4+4)	K2	

## PART – C

Q.No.			Questions	(1 x 15 Marks	∕larks) CO	
16.	a)	- i.	What are the Web Application Security Strategies that could be taken for an enterprise?	7	K2	CO5
		ii.	In this case study, Anand Jain, a well-known application security expert, was engaged to hack a client's web applications. Mr. Jain was hired to perform a web application penetration test to assess the security of a well-known financial website. He is equipped with nothing more than the URL of the main financial site. What are the steps he has to take to hack the web application?  (OR)	8	K6	
	b)	i.	Explain the working of the following penetration testing tools:  a. Metasploit b. SQL map c. BURP Suite d. Nmap (Network Mapper)	(4X3 = 12)	К3	CO5
		ii.	What are the different ways of hijacking a session?	3	K4	