KUMARAGURU
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B.E DEGREE EXAMINATIONS: NOV/DEC 2022

(Regulation 2018)

V Semester

MINOR SPECIALIZATION

U18CSR5213 : Ethical Hacking and Network Defense

COURSE OUTCOMES

CO1: Describe the legal and ethical requirements related to ethical hacking.

CO2: Understand the vulnerabilities, mechanisms to identify vulnerabilities/threats/attacks

CO3: Perform penetration & security testing

CO4: Examine the different tools and techniques that ethical hackers employ

Time: Three Hours   **Maximum Marks: 100**

Answer all the Questions:-
PART A (10 x 2 = 20 Marks)
(Answer not more than 40 words)

1. Compare Threat and Vulnerability	CO2	[K$_2$]
2. List the tools used to perform reconnaissance or foot printing	CO4	[K$_1$]
3. Explain all the flags and meaning of it in the TCP header	CO1	[K$_1$]
4. Apply any two Advanced google search operators for foot printing.	CO4	[K$_3$]
5. Explain the password rules proposed by EC-Council.	CO3	[K$_2$]
6. Explain the two methods to hide the files in windows system	CO3	[K$_2$]
7. Explain the types of Web Server Vulnerabilities.	CO2	[K$_2$]
8. List the three most common attacks against Internet Information Server (IIS).	CO2	[K$_1$]
9. What do you mean by Evil Twin or AP Masquerading	CO1	[K$_1$]
10. List the use of Wireless Sniffers to Locate SSIDs in wireless LAN	CO4	[K$_1$]

Answer any FIVE Questions:-
PART B (5 x 16 = 80 Marks)
(Answer not more than 400 words)

11.	a) Explain the five phases of ethical hacking in detail	10	CO1	[K$_2$]
	b) Classify the type of hackers and explain their role in detail.	6	CO1	[K$_2$]
12.	a) Explain the objectives of foot printing and type of foot printing techniques in detail.	12	CO2	[K$_2$]

	b)	Explain the NMAP command with options	4	CO4	[K$_3$]
13.	a)	Explain the types of scanning in detail	10	CO2	[K$_2$]
	b)	Explain HTTP tunneling techniques and IP Spoofing techniques	6	CO4	[K$_2$]
14.	a)	Explain the types of password attack in detail	10	CO3	[K$_2$]
	b)	Identify the two measures to strengthen the passwords and prevent password cracking.	6	CO3	[K$_3$]
15.	a)	Explain the three steps to perpetuate an attack in session hijacking.	10	CO3	[K$_2$]
	b)	List the checklist of countermeasures that should be employed to prevent session hijacking.	6	CO3	[K$_4$]
16.	a)	Examine the wireless hacking attacks.	8	CO2	[K$_4$]
	b)	Explain the security methods used to secure wireless networks in detail.	8	CO4	[K$_2$]

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