Sardar Vallabhbhai National Institute of Technology, Surat Department of Computer Science and Engineering B.Tech. IV (Computer Science and Engineering) Semester - VIII Ethical Hacking (CS456)

UIACSO12

End Semester Exam, May-2023

[Exp-33]

	<b>Date:</b> 06/05/2023	
Q.1	Answer the following:  → (a) Explain NetBIOS and NetBIOS enumeration  (b) Explain in detail: Cyber kill chain and its 7 phases.	[6]
Le(+) Q.2	Answer the following (Any Two):  (a) Write different TCP Flags with their names & functions. Explain in detail the TCP three-w handshake with a neat diagram and steps.  (b) Explain how malware gets distributed? What are the basic components of malware? Al differentiate between Trojans and Backdoors.  (b) What is vulnerability assessment? Explain it with vulnerability management life Cycle.	
9.3	Explain the following algorithms with examples:  (a) Symmetric Encryption (b) Asymmetric Encryption (c) Hashing Algorithm	[6]
Q.4	Answer the following:  (a) Distinguish between phishing and spoofing  (b) Explain network sniffing with an example.	[8]
Q.5	Answer the following (Any Two):  What are the advantages and disadvantages of hacking?  How to avoid ARP poisoning?  (c) Explain Network Enumeration with an example.	[8]
Q.6	Answer the following (Any Two):  (a) Enlist and explain various hacking stages.  (b) What is footprinting in ethical hacking? What are the techniques used for footprinting?  (c) Explain how you can stop your website getting hacked? Justify.	[8] (-4)
07	Answer the following (Any Two):  (a) What is sniffing? Explain different types of sniffing in ethical hacking.  (b) Hypothetically, you are supposed to hack a system, how would you do it?  How to do DNS Cache Poisoning?	(°2·)