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## Sardar Vallabhbhai National Institute of Technology, Surat Computer Science and Engineering Department B.Tech. - IV (Computer Science and Engineering) Semester - VIII Subject - Ethical Hacking(CS456) Mid-Semester Exam March-2023

	Date: 11/03/2023 Time:11:00 AM to 12:30 PM Marks: 30	
Q.1	Answer the following (Any Two):  a) What are the different attack vectors through which the attacker can attack the information system and also explain the terms- Virus, Worms, and Ransomware.  b) Explain website footprinting and how can "Whois" be used for footprinting?	[ <b>06</b> ]
Q.2	Answer the following:	10.61
	Explain the following terminologies:  i) Passive information gathering  ii) Anonymous footprinting  iii) Organizational or private footprinting  iv) Active information gathering  v) Pseudonymous footprinting  vi) Internet footprinting	[06]
	OR	
	a) Explain the different methodologies used for footprinting. Explain the footprinting through search engines.	
Ø.3	a) Explain CIA Triad, Threats, Vulnerabilities and Attacks with examples.	[06]
Q.4	a) Differentiate between Nmap and Tcp dump? Explain the use of Tcp Dump.  OR	[06]
	b) What is Network Security and explain types of Network Security. What to do to implement to	520
Q.5	a) What is Information Gathering and what kind of Information can be gathered for web servers. [Explain the same with one case study.	06]
	b) Explain Network Scanning through case study using Nmap.	
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