

Sardar patel college of engineering

Faculty Name : prof.Keyur Patel
Subject Name :Cyber Security

Department : Information Technology
Subject code :(3150714)

Assignment :01 (UNIT-01)

SR.NO	Questions
1.	What is vulnerability scanning and Type of vulnerability scanning ?.
2.	Discuss about the traffic probe in details?
3.	Write a short note on (A) Metaspolite. (B) Openvas. (C) SOCAT. (D) Datapipe (E) Fpipe. (F) Winrelay.
4.	What is network reconnaissance ? and Discuss about Nmap?
5.	What is network vulnerability scanning and discuss about service tools ? .(Datapipe,Fpipe and Winrelay)
6.	Discuss about Netcat and Socat ?
7.	What is network sniffing what is it used for?. Advantage and disadvantages of network sniffing ?
8.	What is packet sniffing ?
9.	How does sniffer works?
10.	How can we detect the sniffer?
11.	Discuss packet sniffing mitigation?
12.	Write a short note on (A) wireshark (B) hping (C) KISMET (D) Tcpdup &windump
13.	Discuss sql injection in detail
14.	Describe open port /service identification in detail ?
15.	Describe banner/version check in detail ?

Assignment : 02 (UNIT-02)

SR.NO	Questions
1.	What is firewall ? explain its types in detail ?
2.	Discuss network address Translation (NAT) in detail ?
3.	What is port forwarding explain in detail?
4.	Discuss Intrusion Detection System in detail?
5.	Explain packet characteristic to filter ?
6.	Difference between firewall and packet filter?
7.	Explain stateless vs stateful firewall in detail?

Assignment :03 (UNIT-05)

SR.NO	Questions
1.	Discuss cybercrime investigation in detail ?
2.	Write the short note on key logger & spyware ?
3.	Write the short note on Trojan and backdoors??
4.	Discuss DOS and DDOS attack?
5.	Discuss on SQL Injection?
6.	What is buffer overflow?
7.	Discuss about the attack on wireless network?
8.	Write a short note in steganography?

Assignment :04 (UNIT-04)

SR.NO	Questions
1.	Introduction to Cyber Crime and discuss categories of cybercrime in detail?
2.	Explain attack vector? How do Hackers Exploit Attack Vectors?
3.	What is hacking? Explain types of hackers in detail?
4.	Explain Digital forensics in Cyber Security?
5.	Explain Traditional Problems Associated With Computer Crime?
6.	Explain incident response in detail?
7.	Explain Indian IT ACT 2000?
8.	Explain cyberspace and criminal behavior in details?

Assignment :05 (UNIT-03)

SR.NO	Questions
1.	Explain Brute Force Attack in detail?
2.	What are the password cracking tools ? Explain these tools in details?
3.	Write a notes on A. OpenSSL and Open SSH B. Stunnel C. HTTP Curl
4.	What are the application inspection tools ? Explain these tools in details? (Zed Attack Proxy , SQLmap,DVWA,Webgoat)

5.	
6.	
7.	
8.	