

Theory Assignment

- Differentiate between the following terms:
 - I. Digital Signature vs. Electronic Signature
 - II. Law vs. Ethics
 - III. Computer Crime vs. Cybercrime

- What are password crackers & how they operate? Describe any 2 such tools in brief.
- Describe vulnerabilities & security provided by Windows and Unix/Linux systems.
- Describe the following terms:
 - I. Cybercrime
 - II. Cyber Forensic

Practical-Work

- Demonstrate the use of Networking tools:
 - I. Ping
 - II. Ipconfig
 - III. Ifconfig
 - IV. Tracert
 - V. Arp
 - VI. Netstat
 - VII. Whois

- Use of password cracking tools: John the Ripper, Ophcrack. Verify the strength of passwords using these tools.

- Demonstrate sending of a digitally signed document.

Note: After execution of the above practical work take snapshots & paste it in your practical work file.