**ICT**

**LAB ASSIGNMENT**

**Assignment:** Using Microsoft Word

**Submitted to:** Sir Usama Pervaiz

**Submitted by:** Syed Hannan Ali

BSCS F-22

|  |  |  |
| --- | --- | --- |
| Sr# | Content | Pg# |
| 1 | Paragraph Writing | 3-4 |
| 2 | Table of Equation | 5 |

***Future of Ethical Hacking***

The future of ethical hacking is likely to be shaped by a number of factors, including advances in technology and increasing awareness of the importance of cybersecurity. As technology continues to evolve, hackers will likely develop new techniques and tools for exploiting vulnerabilities in systems and networks. This will require ethical hackers to stay up-to-date with the latest technologies and techniques in order to effectively protect against these threats. Additionally, the organizations will need to adopt a proactive approach to cybersecurity, rather than relying solely on reactive measures. This will include a focus on threat intelligence, incident response, and penetration testing to identify and remediate vulnerabilities before they can be exploited by attackers. Overall, the future of ethical hacking will be characterized by a continued emphasis on staying ahead of emerging threats and protecting against cyber-attacks.

***Key Aspects***

* **Penetration testing:** Ethical hackers can use their skills to simulate real-world attacks on an organization's systems and networks to identify vulnerabilities and weaknesses. This allows organizations to proactively address these issues before they can be exploited by malicious actors.
* **Cybersecurity research:** Ethical hackers can use their skills to conduct research on new threats and vulnerabilities, which can help organizations stay informed about the latest cybersecurity risks and how to protect against them.
* **Bug bounty programs:** Many companies and organizations run bug bounty programs, which offer rewards to ethical hackers who find and report vulnerabilities in their systems and software.
* **Network and systems audits:** Ethical hackers can perform regular audits of an organization's systems and networks to identify and remediate vulnerabilities
* **Cybersecurity training:** Ethical hackers can use their skills and knowledge to train other professionals and the general public on how to protect against cyber threats.

|  |  |  |
| --- | --- | --- |
| Sr/no. | EQUATIONS | Marks |
| 1 |  | 2 |
| 2 |  | 3 |
| 3 |  | 2+3 |

TABLE OF EQUATIONS