

Q.No.	Question
1	Describe the importance of cyber security Cyber security is the practice of defending computers, servers, mobile devices, electronic systems, networks, and data from malicious attacks.
2	Paraphrase the role of CIA Traid. CIA means <ol style="list-style-type: none"> 1. Confidentiality - Confidentiality means that only authorized individuals/systems can view sensitive or classified information 2. Integrity- Make sure that data has not been modified. 3. Availability - The network should be readily available to its users
3	Define is cyberspace. Cyberspace refers to the virtual computer world, and more specifically, an electronic medium that is used to facilitate online communication. Cyberspace typically involves a large computer network made up of many worldwide computer subnetworks that employ TCP/IP protocol to aid in communication and data exchange activities.
4	Comment on the types of threats. <ol style="list-style-type: none"> 1. Malware 2. Spyware 3. Denial of Service 4. Worm 5. Trojan 6. Phishing 7. Key logger
5	What is cyber malware explain its types. <ol style="list-style-type: none"> 1. Rootkits 2. Spyware 3. Trojan 4. Denial of Service 5. Ransomware 6. Keylogger 7. Logic Bomb
6	Integrate the types of hackers in cyber security. <ol style="list-style-type: none"> 1. White Hat Hacker 2. Blue Hat Hacker 3. Red Hat Hacker 4. Gray Hat Hacker 5. Script Kiddies
7	Illustrate the role of crackers. Crackers are kind of bad people who breaks or violates the system or a computer remotely with bad intentions to harm the data and steal it. Crackers destroy data by gaining an unauthorized access to the network.
8	Is it true? Covering tracks plays a vital role in cyber security? Justify? Prior to the attack, the attacker would change their MAC address and run the attacking machine through at least one VPN to help cover their identity. The clearing the track is called covering tracks.

9	Describe the role of Ethical Hacker Ethical hacking is to scan vulnerabilities and to find potential threats on a computer or networks. An ethical hacker finds the weak points or loopholes in a computer, web applications or network and reports them to the organization.
10	Interpret Attack Vectors. Attack vector is basically a method used by the hacker or security analyst to penetrate in target application for some malicious use or to check the security features of application