Q.2) Cyber security-

Cyber security refers to the protection of data and information from unauthorized quess on the internet.

cyber security defines the mechanism to extend operational support for managment & protection of cyber dependent operations.

Security threats-

1. **Viruses-** A virus is a piece of program code that attaches itself to legitimate programs code & runs when the legitimate program runs. It can then infect other programs in that computers or

in another computer in a same network.

2. **Worms-** Worms are piece of code that replicates itself again and again. Worms are different from viruses in terms of implementation.

3. **Trojan horse-** A trojan horse is a hidden peice of code, which, allows attacker to obtain or ruveal some confidential information about a computer or a network.

4. **logic bomb-** logic bombs are codes embedded in some legitimate program that are exicuted when a predefined event occures.

5. **Trapdoor-** A trapdoor or a backdoor is secret means of access to a computer program that bypass security mechanisms.

6. **spoof-** Spoofing means providing false identify information in order to gain unauthorized access to other's computer system.

7. **e-mail virus-** Although not the only kind of computer virus, e-mail viruses are the best known & undoubtedly cause the greatest loss of time and money overall.

8. **macro Virus-** Macro viruses are known as script viruses and can also be embedded within web page.

9. **Malicious software-** Malicious software (malware) is any software that gives partial to full control of computer to do whatever the malware creator wants. Malware can be virus, worm, trojan etc.