Cyber Security ASSIGNMENT-1 Introduction to Cyber Security.

submitted by: Divanshi

1. This attack is used to influe malicious code in a website's comment section. What is the attack called ? Explain this attack.

Chos-site Scripting (XSS) attacks can be used to infuse malicious code in a website's comment section. These attacks use third-party web nesources to nun scripts in the victim's web browser or scriptable application. The attacker injects a payeoad with malicious JavaScript into a websites detabase. When the victim neguests a page from the website, the page with attacker's payload as part of the HTML body, to the victim's browser.

- 2. This is used in operating systems to prevent uninvited network traffic. Explain its functionality.

 Firewalls are used to provide protection against outside yber attacks by shielding the computer or network from malicious and uninvited network traffic. They can also prevent malicious software from accessing a computer or network via the internet. Firewalls can also be configured to block data from certain locations, applications or ports.
- 3. Identify the type of upper attacks using the given descriptions:

- · The attempt to steal sensitive information such as chedit card and bank account.

 Phishing is used to steal sensitive information such as credit lard and bank account.
- · On insecure public Wi-Fi in a cafe / club, a person inserts himself between a visitor's android phone and the network. Without knowing, the visitor saved his passwords while using that wife and passes all information through the attacker. the attacker. Man-in-the-middle (MitM) attack.
- Enterferes with the applications logic by writing some structured anery language.
 - SOL Attack
- 4. RBI launches a portal to check inegal money eduction. The public can obtain information regarding entitles that accept deposits and lodge complaints. Name the portal and its official link.

 RBI launched 'Sachet' portal to check itugal money collection. Its official eink : https://sachet. Abi. org. in
- 5. can patching prevent ransonware and malware attacks A patch is a piece of code that improves a program which is already installed on our system. But, similar

to many other prevention techniques, patching does not prevent mansonware and malware attacks completely.

Modern malware is extremely sophisticated, uppredictable and built to evade detection.

According to a latest study, new variants of malware are relicated into the world every single day and new threats are being created non-stop. It takes time for these new alweats to be discovered by security experts and make patches. Hence, patching is not computely effective.