

Assignment - 1

Cyber security

CLASSMATE

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Date _____

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

⇒ XSS (Cross-site scripting) attacks is used to infuse malicious code in a website's comment section.

XSS attacks use third-party resources to run scripts in the victim's web browser. The attacker injects a payload with malicious Java script into a website's database. When the victim requests a page from the website, the website transmits the page, with the attacker's payload as part of the HTML body, to the victim's browser.

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

⇒ Firewalls are used in OS to prevent unauthorized network traffic.

It prevents unauthorized internet users from accessing private networks. It also prevents valuable information from being leaked.

3. Identify the type of cyber attacks using the given descriptions

- i) Phishing attack
- ii) Man-in-the-middle (MitM) attack
- iii) SQL attack

4. RBI launched "Sachet" to check illegal money collection.

Official link : <https://sachet.rbi.org.in/>

5. NO, patching can't prevent ransomware and malware attacks completely.

Patch is a piece of code that improves a program already ^{installed} into your system. It is like an update. Since, new variants of malware are coming into the world everyday, it takes time to detect these threats and make patches for them.