- Name : Roopal Mittal
- Assignment 1 (Introduction to Cyber Security)

Ans 1: The attack used to infuse malicious code in a website's comment section is called XSS attack i.e. Cross Site Scripting attack.

In XSS attack, the attack occurs when the victim visits the web page or web application that executes the malicious or code and malicious script is delivered to the user's browser. Vulnerable vehicles used for XSS attacks are forums, message boards & web pages that allow comments.

Ans 2: A firewall is used in OS to prevent uninvited network traffic

A firewall is basically a system designed to prevent unauthorized access to or from a private network.

It can be implemented in software or hardware form or a combination of both. In windows & MacOS, firewalls are built into the OS.

All message entering or leaving the system must pass through the firewall, which examines each message and block those which do not meet the specified security criteria.

Example :- McAfee Personal Firewall, Norton Personal Firewall.

Ans 3 :- 1) Phishing attack is an attempt to steal sensitive information such as credit card and bank account.

2) Man- in the middle attack

3) SQL injection attack

Ans 4 :- SACHET portal

Official link : sachet.rbi.org.in

Ans 5 :- - Ransomware is a type of malware that prevents users from accessing their system or personal files and demands ransom payment in order to regain access.

Eg: Scareware, screen lockers etc

- A patch is basically a small piece of software that a company issues whenever a security flaw is uncovered.

- No, patching cannot help in prevention of ransomware and malware attack because patching is like fixing something that is broken. Instead system updates and regular antivirus software update may help in protecting devices from cyber thieves, malwares etc..