Memory Based Questions

The exact questions from NPTEL was asked.

The date of Exam (30/04/2023) Timing- 9:30 to 12:30

Week 5 PYQs Jan-April 2023 (Memory Based)

Q.1 Hydra What kind of attack may be executed with this tool?

a. Dictionary Attack (Crunch tool used)

b. Password Attack (Hydra tool)

c. XSS (Cross-Site Scripting) (Burpsuite tools used)

d. Denial-of-Service (DoS) (Slowloris tools)

Ans- b
Solution- Hydra is a pre-installed tool in Kali Linux used to brute-force usernames and passwords to different services such as FTP, ssh, telnet, MS SQL, etc. Brute force can be used to try different usernames and passwords against a target to identify the correct credentials.

Q.2 Which of the following can be used for gaining same level privileges than existing one?
a. Vertical privilege escalation.
b. Horizontal privilege escalation.
c. Diagonal privilege escalation.
d. Triangular privilege escalation.
e. None of these.
Correct Answer: b
Detail Solution: Vertical privilege escalation refers to gaining higher than existing privileges. Horizontal privilege escalation refers to acquiring the same level of privilege with the identity of some other user. There is nothing called diagonal/triangular privilege escalation.

Q.3 Which is a process of monitoring and capturing all data packets passing through a given network?
a. Sniffing
b. Spoofing
c. Phishing

d. Wireshark

Ans- a

Detail Solution: Sniffing is a process of monitoring and capturing all data packets passing through a given network. Sniffing is categorized into two types: active and passive. In passive sniffing, sniffing is done on a hub where traffic is sent to all device. Passive sniffing involves only monitoring.

Q.4 Which of the following http scripts can be used to detect if a target system is running a webserver?

    a. **http-methods**
    b. **http-brute**
    c. **http-slowloris-check**
    d. **ftp-anon**

Ans- a

Solution- http-methods script is used to check if the host is running a web server on particular port. It can also identify if the supported methods (i.e. POST, GET etc). http-brute script is used for a dictionary attack on web server to get some valid credentials. http-slowloris-check script is used to detect a web server vulnerability for DoS attack. ftp-anon script is used to identify if the host is running ftp server or not, it can also identify if it provides anonymous login on ftp or not.