

Topics Covered: Virus, Trojan, Worm, CVE, Vulnerability scanning of network and Web

Question 1: What are the various types of Vulnerabilities for hacking web applications?

Question 2: Anti-malware software makes use of various techniques to detect malware. Describe how each of the following techniques operates:

- a. Signature detection
- b. Heuristic detection
- c. Checksum

Question 3: Cite two examples of spyware and describe how each might be used by the criminals?

Question 4: How does Common Vulnerabilities and Exposures (CVE) work?

Question 5: You are informed of a new common vulnerabilities and exposures (CVE) vulnerability that affects your environment. You need to use Microsoft Defender Security Center to request remediation from the team responsible for the affected systems if there is a documented active exploit available. Which three actions should you perform in sequence?

Question 6: You receive the following email from the Help Desk:

Dear XYZ Email User,

Beginning next week, we will be deleting all inactive email accounts in order to create space for more users. You are required to send the following information in order to continue using your email account. If we do not receive this information from you by the end of the week, your email account will be closed.

*Name (first and last):

*Email Login:

*Password:

*Date of birth:

*Alternate email:

Please contact the Webmail Team with any questions. Thank you for your immediate attention.

a) What type of attack does it depict?

b) What could be the intent of the attacker? What should you do?

Question 7: The Metasploit Framework (MSF) contains a collection of exploits. Use a metasploit framework to gain access to a remote machine.

