Chapter-5

Computer Malware

Rootkit, WinVer 1.4, Spyware, Worm, Trojan Horse, Ransomware, Firewall, Antivirus, Farooq Alvi, Malicious Software

Fill in the Blanks

1. Malware is short for _____.
2. A _____ is a type of malware that spreads without user intervention.
3. A _____ appears to perform a useful function but actually harms the computer.
4. _____ is a type of malware that collects user information without their knowledge.
5. _____ is a type of malware that encrypts files and demands payment for access.
6. A _____ is a type of malware that allows attackers to gain access to a computer without being detected.
7. A _____ is a program designed to prevent, detect, and remove malware.
8. A _____ is a system designed to prevent unauthorized access to or from a private network.
9. The first Windows virus was called _____.
10. The _____ brothers created the first boot virus.

Part 2: True or False

1. Malware can spread through email attachments. (True/False)
2. A worm requires user intervention to spread. (True/False)
3. A Trojan Horse can replicate itself. (True/False)

4. Spyware is easy to detect. (True/False)
5. Ransomware encrypts files and demands payment for access. (True/False)
6. A rootkit provides a backdoor for attackers. (True/False)
7. Antivirus software can only detect viruses. (True/False)
8. Firewalls can be implemented in both hardware and software. (True/False)
9. The Morris worm was the first known computer worm. (True/False)
10. Adware is a type of malware that automatically delivers advertisements. (True/False)

Multiple Choice Questions

1. What does malware stand for?
   a) Malicious Software
   b) Malicious Hardware
   c) Managed Software
   d) Managed Hardware
2. Which type of malware spreads without user intervention?
   a) Virus
   b) Worm
   c) Trojan Horse
   d) Spyware
3. What is a Trojan Horse?
   a) A type of worm
   b) A type of virus
   c) A program that appears useful but is harmful
   d) A type of spyware

4. Which malware collects user information without their knowledge?

   a) Ransomware

   b) Spyware

   c) Adware

   d) Rootkit

5. What does ransomware do?

   a) Encrypts files and demands payment

   b) Collects user information

   c) Spreads through email attachments

   d) Provides a backdoor for attackers

6. What is a rootkit?

   a) A type of virus

   b) A type of worm

   c) A program that allows attackers to gain access without detection

   d) A type of spyware

7. What is the primary function of antivirus software?

   a) To encrypt files

   b) To prevent, detect, and remove malware

   c) To collect user information

   d) To spread malware

8. What is a firewall?

   a) A type of malware

   b) A system designed to prevent unauthorized access

   c) A type of virus

   d) A type of spyware

9. What was the first Windows virus?

a) WinVer 1.4

b) ILOVEYOU

c) Morris worm

d) WannaCry

10. Who created the first boot virus?

a) The Farooq Alvi brothers

b) Symantec

c) Microsoft

d) Norton