
Chapter – 9 Cyber threats and Protection

Multiple choice question.

1. Any act that can make your computer vulnerable is called
 - a. Cyber threat
2. Which of the following is a cyber threat?
 - a. Worm
3. Your name, phone number ,address is
 - b. Personal information
4. Which of the following should you not choose to do in case of passwords?
 - b. Always share passwords
5. The art of manipulating people to get them to part with their confidential information is called
 - c.Social engineering
6. The mails sent to you in order to steal your personal information is called
 - b. Phishing
7. The program that appears genuine, but performs malicious activity is called
 - b.Trojan horse
8. When you browse the web, some websites store your personal information in the form of
 - b. Cookies
9. A software that automatically brings up advertisement in the form of pop-ups is called
 - c. Adware
10. When you are prevented from using a website or any other online source, it is called
 - d.DOS

Write (T) for True and (F) for False.

1. Many spammers and hackers send e-mails to unsuspecting people with attachments that contain messages that are also called Phishing messages. **True**
2. A computer virus is a software program that can replicate itself and spread from one computer to another or perform other activities like delete or modify files. **True**
3. Spyware is a software program that automatically brings up advertisements in the form of pop-ups. **False**
4. Adware includes software programs that are installed on your computer to steal information from it on an ongoing basis without your knowledge. **False**
5. Unwanted messages by e-mail or even by SMS are known as spam. **True**
6. A firewall can only be hardware. **False**

Fill in the blanks.

1. Cyber threat is any such act which could potentially result in undesirable outcomes that could cause you harm.
2. Personal information can be considered as that information which includes your actual name, your phone number and address, name of your school, your date of birth, etc.
3. An important step to protecting your information online and your computer is through using Passwords.
4. Social engineering is the act of manipulating people in a manner that they end up revealing their confidential information.
5. Cookies are data sent from a website and stored in a user's web browser while they browse that website.
6. Worm is a software program that actively transmits itself over a network to infect other computers, but unlike a virus it has the capability to reveal unaided by any human action.

Answer in one word/sentence.

1. What is a Trojan horse?

Ans- Trojan horse is a program designed to deceive the user by appearing to be a genuine file (like an image, a video, or a software utility). However, when used, the program carries out other malicious activities.

2. What is a Adware ?

Ans- The term stands for advertising –supported software. It is a software program that automatically brings up advertisements in the form of pop-ups on your screen.

3. What are Cookies?

Ans- Cookies are data sent from website and stored in a user's web browser while the user is browsing the website.

4. Name any three Antivirus software.

Ans- Antivirus Software - McAfee, AVG, Kaspersky

5. What is the condition of being prevented from using a website or any other online resource by deliberate action on part of someone called?

Ans- Whenever you are prevented from using a website or any other online resource by a deliberate action on somebody's part it can be termed as "denial-of service" attack.

Give Short Answers.

1. What is Cyber Threat?

Ans- A cyber threat is any such act that could potentially lead to undesirable outcomes such as causing harm to your computer activities. For example, your computer could become unusable, your files all be deleted or your information stolen, among other things. Some of the examples of cyber threats could include viruses, Worms, spam e-mails, online frauds and hackers.

2. What is the difference between a worm and Spyware?

Ans- Worms – This is a software program that actively transmits itself over a network to infect other computers. A worm is similar to a virus by design and is considered to be a sub-class of a virus, but unlike a virus, it has the capability to travel unaided by any human action.

Spyware – Spyware includes software programs that are installed on your computer to steal information from the system on an ongoing basis, without your knowledge. Hackers may install key logger which will be able to track and report to the hackers all the key strokes that you make on your computer.

3. What is Social Engineering?

Ans- Social engineering is the art of manipulating people in a manner that they end up revealing their confidential information.

4. What is Phishing?

Ans- Phishing is the use of forged (fake) e-mail messages that claim to be from a company that you may trust, usually a bank or some other financial organization. The Phishing e-mails will often look exactly like you would expect a legitimate message from your bank to look. The difference is that when you submit your information you will not be sending it to the real company, rather it will be sent to a criminal gang who could then use that information to either withdraw money from your account or carry out other criminal acts such as identity theft.

5. What is Spam?

Ans- Most of us use e-mail. You may have seen unwanted e-mails that come to you promoting some or the other product. Some of these products or services may be genuine, however some may be a part of a hoax. Also some such messages are sent to lure you to take actions that may lead to unwanted outcomes like downloading of malware onto your computer. These unwanted messages by e-mail or even by SMS are known as Spam.

6. Explain the role of Firewall in a computer.

Ans- A firewall is a system designed to prevent unauthorized access and use of your computer. A firewall can either be hardware or software. It blocks outgoing connection from the router. Most individual users prefer a software firewall.

