Chapter 30 – Computer Safety and Ethics

Guided Reading – Pages Mod3-151 - 163

Vocabulary

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| **Type** | **Description/Example** |
| Browser Hijacking |  |
| Brute force attacks |  |
| Hardware firewall |  |
| sniffer |  |
| spyware |  |

Maintain a Safe Computing Environment

1. Avoid setting a \_\_\_\_\_\_\_\_\_\_\_\_\_ computer directly on your lap or on a soft, flexible surface such as a cushion, which might obstruct \_\_\_\_\_ \_\_\_\_\_\_\_\_ and cause the computer to overheat.
2. Who might you contact for guidelines for using and purchasing computer equipment?
3. When you use a computer, take precautions to avoid chronic physical maladies such as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. What does RSI stand for? What does it mean?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. What are some effective ways to reduce RSI?
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. An intruder or hacker could use a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to find \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
7. Computer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ involves invading someone else’s computer, usually for personal gain or the satisfaction of defeating a security system. Hackers usually are computer experts who enjoy having the power to invade someone else’s \_\_\_\_\_\_\_\_\_\_\_\_\_.
8. Which firewall is more secure and easier to monitor for larger networks?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. One easy way to avoid data loss is to save \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Another option is to install an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, usually a battery that provides power if the normal current is interrupted. You should also plug \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into electric outlets to protect against \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_, which can damage computer hardware and software.
10. Your backup procedures should place a priority on files that would be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to replace or reconstruct if you lost them, such as your data files.
11. What are 3 things you can do to protect against viruses?
    1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is both complex and secure – it contains numbers, letters, and special characters that do not include personal information such as name or birth date.
13. What is the least amount of characters a strong password has?\_\_\_\_\_
14. What is a another name for a dictionary attack?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a malicious program that records keystrokes.
16. What is the goal of spyware?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. True or False Any information stored on a computer in an educational facility is school property.
18. True or False An employer discovers that an employee is has been spending time visiting Web sites that bear no relation to work-related duties, it can discipline the employee.
19. Many organizations have computer or network usage policies that provide guidelines for using the organization’s systems \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_. Before you access the Internet, send e-mail, exchange files, or otherwise use a computer at school or work, make sure you are familiar with the \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
20. Several companies such as VeriSign, GoDaddy, Network Solutions, and others provide a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ certificate for e-commerce sites, sites that process sensitive data, and sites that require privacy and security requirements. TSL and SSL technology enables \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of sensitive information by establishing a private communication channel. Data transmitted through this \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is encrypted during transmission. Te SSL Certificate consists of a \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ and a \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_. The \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ encrypts information and the \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ deciphers the information.
21. What are the guidelines the Federal Trade Commission enforce so that your e-commerce transactions are secure?
    1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
22. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ not only tracks your Web habits, it can even take over control of your computer and direct you to Web sites you have not chosen to visit. Spyware can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_ as well as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
23. True or False If someone publishes information about another person or organization and it is not true, they can be sued for libel and forced to pay compensation for any damage they caused.