

# Exam Chapter 11

## CSC100 Spring 2004 Exam 3 Chapter 11 Version A

Name:  Section

This is a closed-book exam. No reference aids or calculators are permitted.

Put your name and section number on your exam question book and the mark-sense answer sheet.

You may write on the exam. You may use the back side of question book pages as scrap paper.

Each multiple choice question is worth 1 point. List questions are worth 1 point for each correct response.

Circle the answer letter on the question book AND fill in the mark-sense answer sheet. You must turn both in. **Some choices may be on the next page.**

Each multiple choice question has at least 4 choices. Only one answer will be considered correct.

**Choose the best answer.** Choose the answer that distinguishes the term in the question from other terms. Some answers may be true, but not a defining characteristic of the term in question. Think about the question in the context of the chapter being tested on.

Note that a response is false if any portion of the statement is false.

1. (1 point) Which of the following is **NOT** a consideration in balancing security policies and basic needs?

- ☐ Secrecy
- ☐ Accessibility
- ☐ Keep system operational
- ☐ Cleanliness
- ☐ Carefully control the extent of autonomy of security administrator
- ☐ Cost

2. (1 point) Which one below is not a security technique?

- ☐ Schedule 4 hours each weekend for system software maintenance.
- ☐ Make equipment unmovable, attach it to alarms.
- ☐ Log all periods of access, monitor for theft.
- ☐ Check background of person before granting an account.
- ☐ Check that each user is authorized access, use encryption.

3. (1 point) What is a computer virus?

- ☐ A remote control signal that shuts down a computer.
- ☐ A program written with the intent to cause harm to a computer or its files.
- ☐ A microbe that attacks silicon dioxide.
- ☐ Data that is illegally copied.
- ☐ A magnet that randomly erases tracks on a disk.

4. (1 point) A(n) \_\_\_\_\_ is a company or person you believe will not send you a virus-infected file knowingly.

- ☐ grandparent
- ☐ trusted source
- ☐ government agency
- ☐ certificate authority
- ☐ antivirus author

5. (1 point) In terms of computer viruses, how is a logic bomb different from a time bomb?
- ☐ A time bomb triggers on an interrupt, a logic bomb triggers by polling.
  - ☐ A time bomb triggers by polling, a logic bomb triggers on an interrupt.
  - ☐ A time bomb is a logic bomb that uses time to decide when to activate.
  - ☐ A time bomb is not a logic bomb.
  - ☐ A logic bomb is detected by a special element in the smoke alarm, but only if the battery has been changed in the last 6 months.
6. (1 point) In the two-key (public key-private key, asymmetric key) encryption system,
- ☐ two keys are required to decrypt a message.
  - ☐ either key can be used to encrypt a message.
  - ☐ one key is used to encrypt the other key for transmission.
  - ☐ one key is used to encrypt a message, another key must be used to decrypt a message.
  - ☐ either key can be used to decrypt a message.
7. (1 point) \_\_\_\_\_ is used to prevent unauthorized access by transforming readable data into unreadable data.
- ☐ Encryption
  - ☐ Spyware
  - ☐ A back up
  - ☐ A word processor
  - ☐ A surge protector
8. (1 point) A digital signature is
- ☐ a digitized image of a signature for transmission over the Internet.
  - ☐ not legal in a court of law for binding a contract.
  - ☐ a certified tamper-proof scanned image of the signature of the sender.
  - ☐ an encrypted code attached to a message that authenticates the identity of the sender.
  - ☐ was invented by the same person that invented the Internet.
9. (1 point) Which of the following is not effective as passwords for safeguarding a computer system?
- ☐ quickly typed password
  - ☐ mixture of special characters, letters, and numbers
  - ☐ easy to remember password
  - ☐ telephone number
  - ☐ long random letter combination
10. (1 point) Callback systems work the best for users who regularly work
- ☐ at a different location every day.
  - ☐ in emergency service occupations.
  - ☐ from the same location every day.
  - ☐ for the military and banks.
  - ☐ on mainframe or supercomputers.

11. (1 point) A cookie is
- ☐ a type of virus.
  - ☐ an encryption key.
  - ☐ a small file placed on your computer by a Web server.
  - ☐ made with chips.
  - ☐ a password for access to a secure site.
12. (1 point) A(n) \_\_\_\_\_ tries to access a computer or computer network illegally.
- ☐ software tester
  - ☐ unidentified user
  - ☐ auditor
  - ☐ security administrator
  - ☐ hacker
13. (1 point) The purpose of an uninterruptible power supply designed for home computer use is
- ☐ provide power long enough for an orderly shutdown of the computer.
  - ☐ prevent the electrical utility service from losing power.
  - ☐ provide power long enough for the user to get home from work.
  - ☐ provide an alternate unlimited source of power until the electrical utility service is restored.

14. (5 points) List the 5 major considerations for a computer security system.

P. \_\_\_\_\_

E. \_\_\_\_\_

C. \_\_\_\_\_

A. \_\_\_\_\_

N. \_\_\_\_\_

[Click here to check your answers.](#)