

Question 1: What is meant by the CIA triad?

Question 2: Classify each of the following as a violation of confidentiality, of integrity, of availability, or of some combination thereof.

- a) Jim copies Bob's homework.
- b) Eve registers the domain name AddisonWesley.com and refuses to let Addison-Wesley use or buy the name.
- c) Bill crashes George's computer system.
- d) Eve changes the amount on a check from \$10 to \$1,000.
- e) Eve gets Jim's credit card number and has the credit card company cancel the card and replace it with one bearing a new number.
- f) Mallory builds a WiFi jammer using plans she found on the Internet and jams wireless signals over a large part of her apartment building

Question 3:

Consider the following fragment:

```
legitimate code  
    if data is Friday the 13th;  
        crash_computer();  
legitimate code
```

What type of malware is this?

Question 4: Fill in the blank with the following: Privacy, Availability, Confidentiality, Inference, user-education, password cracker.

-Data breaches violate _____.

- _____ assures that individuals control or influence what information related to them may be collected and stored and by whom and to whom that information may be disclosed.

-A loss of _____ is the unauthorized disclosure of information.

- _____ assures that systems work promptly and service is not denied to authorized users.

- The _____ strategy is when users are told the importance of using hard to guess passwords and provided with guidelines for selecting strong passwords.

- _____ is the process of performing authorized queries and deducing unauthorized information from the legitimate responses received.

Question5: classify the following attacks under the following categories: phishing, Trojan Horses, spoofing, Man-in-the-Middle, social-engineering, denial of service.

- Disclosure:
- Deception:
- Usurpation: