

## **Quiz - History of Cybersecurity**

1. What was shown in the movie *War Games* that concerned President Reagan?
  - ☒ A teenager hacked into a Pentagon computer that was capable of launching nuclear weapons.
  - ☐ US Army generals did not know how to use the advanced weapons systems they were responsible for.
  - ☐ The movie gave an accurate portrayal of the Iran-Contra scandal that could have only come from inside sources.
  - ☐ KGB agents from the USSR were able to hack into Pentagon computer systems and steal plans for advanced US weapons.
  
4. According to a Forbes Magazine study, the annual cost of cybercrime in the United States alone has reached how much?
  - ☐ \$100M
  - ☐ \$1B
  - ☐ \$10B
  - ☒ \$100B

5. Who are Alice, Bob and Trudy?

- ☒ They are fictional characters used to illustrate how cryptography works.
- ☐ They are the founders of modern cryptography.
- ☐ They were members of British Naval Intelligence who did pioneering work in secure communications that later became known as cryptography.
- ☐ They are the pseudonyms (false names) used by members of the hacktivist group Anonymous.

6. Which of the following is considered a legitimate challenge to implementing a comprehensive cybersecurity solution?

- ☐ Security practices are viewed as being "in the way".
- ☐ Security architectures require constant effort.
- ☐ Security is often an after-thought; something that is added at the end of a project rather than baked into the project from the start.
- ☒ All of the above

10. Which aspect of a comprehensive approach to cybersecurity includes these items: *evaluate, create teams, establish baselines, identify and model threats, identify use cases, identify risks, establish monitoring and control requirements*?

- ☒ Security program
- ☐ Asset management
- ☐ Administrative controls
- ☐ Technical controls

13. Alice sends an unencrypted message to Bob but it is intercepted by Trudy. Trudy reads the message but does not in any way interfere with its content or delivery. Which precept of the CIA Triad would have been violated?

- ☒ Confidentiality
- ☐ Integrity
- ☐ Availability
- ☐ All of the above.

14. Alice sends an encrypted message to Bob but it is intercepted by Trudy. Trudy cannot read it so, in anger, she deletes it without allowing its delivery to Bob. Which precept of the CIA Triad would have been violated?

☐ Confidentiality

☐ Integrity

☒ Availability

☐ All of the above

15. Alice sends an encrypted message to Bob but it is intercepted by Trudy. Trudy cannot read it but forwards it on to Bob from an anonymous address she controls. Which precept of the CIA Triad would have been violated?

☐ Confidentiality

☒ Integrity

☐ Availability

☐ All of the above

16. A major metropolitan police department gets a warrant from a judge to hack into the computer of a suspected crime boss. A skilled penetration tester working for the department conducts the hack and retrieves incriminating evidence. What color hat does this officer wear?

☐ A Black Hat

☐ A Gray Hat

☒ A White Hat

17. Which three (3) are resources that are available to help guide penetration testing efforts by cybersecurity specialists?

☒ Open Source Security Testing Methodology Manual (OSSTMM).

☒ Federal Financial Institutions Examination Council (FFIEC) Information Technology Examination.

☒ NIST SP 800-42 Guidelines on Network Security Testing.

☐ Health Information Portability and Accountability Act (HIPAA)