# Chapter 2- Quiz

1. What are two common hash functions? (Choose two.)

- Blowfish
- ECC
- RC4
- SHA
- MD5
- RSA

**Explanation:** SHA and MD5 use use complex mathematical algorithms to compute hash values.

2. What service determines which resources a user can access along with the operations that a user can perform?

- authentication
- biometric
- accounting
- token
- authorization

**Explanation:** Authorization determines whether a user has certain access privileges.

3. What type of cybersecurity laws protect you from an organization that might want to share your sensitive data?

- confidentiality
- nonrepudiation
- authentication
- privacy
- integrity

**Explanation:** Privacy laws control appropriate use of data and access to data.

4. What three design principles help to ensure high availability? (Choose three.)

- eliminate single points of failure
- provide for reliable crossover
- ensure confidentiality
- check for data consistency
- use encryption
- detect failures as they occur

**Explanation:** High availability systems typically include these three design principles.

5. For the purpose of authentication, what three methods are used to verify identity? (Choose three.)

- something you know
- something you do
- something you have
- where you are
- something you are

**Explanation:** The forms of authentication are something you know, have , or are.

6. What is a secure virtual network called that uses the public network?

- IPS
- IDS
- MPLS
- NAC
- Firewall
- VPN

**Explanation:** The term VPN describes a virtual network that uses encryption to protect data when traveling across Internet media.

7. What mechanism can organizations use to prevent accidental changes by authorized users?

- SHA-1
- backups
- version control
- hashing
- encryption

**Explanation:** Version control ensures that two users cannot update the same object.

8. What is a method of sending information from one device to another using removable media?

- wired
- infrared
- LAN
- packet
- wireless
- sneaker net

**Explanation:** Sneaker net refers to hand delivering the removable data.

9. What are the three foundational principles of the cybersecurity domain? (Choose three.)

- policy
- integrity
- availability
- confidentiality
- security
- encryption

**Explanation:** Three foundational security principles are confidentiality, integrity and availability.

10. What are three access control security services? (Choose three.)

- access
- authentication
- repudiation
- authorization
- accounting
- availability

**Explanation:** This question refers to AAA authentication, authorization, and accountability.

11. Which two methods help to ensure data integrity? (Choose two.)

- availability
- data consistency checks
- privacy
- hashing
- authorization
- repudiation

**Explanation:** Data integrity systems include one of the two data integrity methods.

12. What three tasks are accomplished by a comprehensive security policy? (Choose three.)

- useful for management
- defines legal consequences of violations
- is not legally binding
- gives security staff the backing of management
- vagueness
- sets rules for expected behavior

**Explanation:** Policy sets the establishment of rules and guidelines for the business.

13. What two methods help to ensure system availability? (Choose two.)

- integrity checking
- system backups
- up-to-date operating systems
- system resiliency
- fire extinguishers
- equipment maintenance

14. What principle prevents the disclosure of information to unauthorized people, resources, and processes?

- integrity
- confidentiality
- nonrepudiation
- accounting
- availability

**Explanation:** The security principle of confidentiality refers to the prevention of the disclosure of information to unauthorized people, resources, and processes.

15. What are the three states of data? (Choose three.)

- suspended
- in-cloud
- at rest
- in-transit
- in-process
- encrypted

**Explanation:** The protection of the cyber world requires cybersecurity professionals to account for the safeguarding of data in-transit, in-cloud, and at rest.

16. What name is given to any changes to the original data such as users manually modifying data, programs processing and changing data, and equipment failures?

- deletion
- modification
- dissemination
- corruption
- backup
- integrity

**Explanation:** Modification involves changes to the original data and not complete deletion of the data.

17. What is identified by the first dimension of the cybersecurity cube?

- goals
- safeguards
- rules
- tools
- knowledge

**Explanation:** The first dimension of the cybersecurity sorcery cube identifies the goals or security principles required to protect the cyber world.

18. What name is given to a storage device connected to a network?

- NAS
- SAN
- RAID
- Cloud
- DAS

**Explanation:** NAS refers to a storage device connected to a network that allows storage and retrieval of data from a centralized location by authorized network users.

19. What are two methods that ensure confidentiality? (Choose two.)

- authorization
- availability
- nonrepudiation
- authentication
- integrity
- encryption

**Explanation:** Confidentiality means viewing of information only for those who need to know. This can be accomplished by encrypting data and authenticating users who request access.

20. What are three types of sensitive information? (Choose three.)

- business
- published
- declassified
- public
- classified
- PII

**Explanation:** Sensitive information is information that would otherwise cause harm to a company or individual if publicly disclosed.