

Quiz 1. Total Value: 10%. Each Question: 0.5%

Name: _____ **Your Email** _____ **(Will send your score)**

Choice Questions (Select one): (1-15):

1. **Which of the following is used to check if a message has been modified during transmission?** a) Hash function b) Encryption c) Authentication d) Authorization

Your Answer: _____

2. **In symmetric encryption, what is used to encrypt and decrypt messages?** a) Two different keys b) A single secret key c) Public key only d) Private key only

Your Answer: _____

3. **AES encryption is considered secure because:** a) It uses very long keys b) It's very old c) It's very new d) It's very expensive

Your Answer: _____

4. **What is the most common form of authentication?** a) Fingerprint b) Face recognition c) Password/PIN d) Voice recognition

Your Answer: _____

5. **Which of these is an example of biometric authentication?** a) Password b) Smart card c) Voice recognition d) One-time password

Your Answer: _____

6. **What is the main purpose of Single Sign-On (SSO)?** a) To make passwords stronger b) To log in once and access multiple services c) To encrypt data d) To store passwords

Your Answer: _____

7. **The same message will always produce the same _____ when using a hash function:** a) Password b) Hash value c) Encryption d) Key

Your Answer: _____

8. **Which is the most basic method of password attack?** a) Phishing b) Brute force c) Man-in-the-middle

Your Answer: _____

9. **What is the purpose of storing hashed passwords instead of plain passwords?** a) To save storage space b) To make login faster c) To protect user passwords if the database is leaked d) To make passwords easier to remember

Your Answer: _____

10. **Which type of attack involves pretending to be a trustworthy source to steal information?** a) Brute force b) Dictionary attack c) Phishing d) Hash collision

Your Answer: ____

11. **What information does a basic student database typically contain?** a) Student grades only b) Names and grades c) Names, grades, and personal information d) Personal information only

Your Answer: ____

12. **What is authentication primarily used for?** a) Encrypting data b) Verifying who someone is c) Storing passwords d) Creating accounts

Your Answer: ____

13. **What is a smart card considered to be?** a) Password b) Physical token c) Hash function d) Encryption method

Your Answer: ____

14. **Which encryption method is faster?** a) Symmetric encryption b) Asymmetric encryption c) Hash function d) They are the same speed

Your Answer: ____

15. **What is the main weakness of using just passwords for authentication?** a) They're too long b) They can be stolen or guessed c) They're too short d) They're too complex

Your Answer: ____

True/False Questions (16-20):

16. Your Answer: ____: Theoretically, the same input will always produce the same hash value.
17. Your Answer: ____: Authentication and authorization are the same thing.
18. Your Answer: ____: Multi-factor authentication is more secure than using just a password.
19. Your Answer: ____: Public weather forecast websites require authentication to access.
20. Your Answer: ____: You need authentication to withdraw money from an ATM.