

# Practical Cybersecurity

## Lecture #2 Quiz

Full Name:

Please use the bubble sheet to answer the multiple choice and the True/False questions. You can use the space provided below the short-answer question to write your response for Q.8 – Q.10.

Use pen or pencil.

Each question is worth 0.25 points

1. What is the primary function of a firewall?

- A) To detect and remove viruses
- B) To prevent unauthorized access to a network
- C) To store encryption keys
- D) To monitor employee internet usage

2. Which encryption method uses the same key for encryption and decryption?

- A) Symmetric Encryption
- B) Asymmetric Encryption
- C) Hashing
- D) Two-Factor Authentication

3. Why is HTTPS more secure than HTTP?

- A) It loads webpages faster
- B) It encrypts data transmitted between the browser and server
- C) It blocks all types of malwares.
- D) It provides better search engine rankings

4. What is the main purpose of Multi-Factor Authentication (MFA)?

- A) To require longer passwords
- B) To protect against unauthorized access by adding an extra layer of security
- C) To encrypt stored files
- D) To prevent phishing attacks

5. A hashed password can be decrypted if you have the correct key.

- A) True
- B) False

6. A VPN helps protect data from being intercepted when using public Wi-Fi.

- A) True
- B) False

7. A company should store all passwords in plaintext for easy recovery.

- A) True
- B) False

8. Name two advantages of using a VPN for online security.

9. How does Multi-Factor Authentication (MFA) enhance security?

10. What is one major risk of using weak passwords, and how can it be prevented?

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End of Quiz