

Practical Cybersecurity

Lecture #1 Quiz

Full Name:

Please circle the correct option on each question. Question 9 requires multiple answers, please ensure you circle only the options you want to be graded upon.

Use pen or pencil.

Q1 (0.25 points)

What is the primary goal of cybersecurity?

- A - To stop all cyber threats completely
- B - To protect data, networks, and systems from unauthorized access
- C - To create antivirus software for consumer use
- D - To monitor an employee's online activities

Q2 (0.25 points)

Which of the following is an example of phishing?

- A - A hacker directly accessing your system through a backdoor
- B - A security update notification from your operating system
- C - A fake email pretending to be from your bank, asking for credentials
- D - A software bug that crashes a website

Q3 (0.25 points)

What does ransomware do?

- A - Slows down your computer's internet speed
- B - Automatically deletes all data on your system
- C - Sends phishing emails to all your contacts
- D - Encrypts your files and demands payment to unlock them

Q4 (0.25 points)

What should you do if you receive an email from an unknown sender asking you to reset your password?

- A - Click the link immediately to secure your account
- B - Ignore the email and delete it
- C - Verify the sender's email address and hover over links before clicking
- D - Forward the email to all your contacts to warn them

Q5 (0.25 points)

Which of the following is NOT a sign of a phishing email?

- A - A sender address from an unknown domain
- B - Spelling and grammar errors
- C - An urgent request to reset your password immediately
- D - A verified HTTPS link leading to a legitimate website

Q6 (0.25 points)

Multi-Factor Authentication (MFA) adds an extra layer of security beyond just using a password.

- A – True
- B – False

Q7 (0.25 points)

Opening an email attachment from an unknown sender is always safe as long as you don't click on links inside.

- A – True
- B – False

Q8 (0.25 points)

If a website's URL begins with "https://", it is 100% secure and cannot be hacked.

- A – True
- B – False

Q9 (0.5 points) (Students must select *all* of the correct answers for full points)

Who is most likely to be targeted with a phishing attack containing a ransomware?

- A - Multinational companies
- B - Charitable organizations
- C - Government institutions
- D - Small businesses
- E - All of the above