Practical Cybersecurity
Lecture #3 Quiz

Full Name:

Please use the bubble sheet to answer the multiple choice and the True/False questions.

Some questions require you to select all the correct options to get points, please only fill the answers you feel are correct in the bubble sheet.

Partial points will not be given for incorrect or incomplete answers.

You can use the space provided below the short-answer question to write your responses.

Use pen or a dark pencil.

Each question is worth 0.25 points.

1. What is the main purpose of the OWASP Top 10 list?
A) To track hackers' activities worldwide
B) To rank the most critical security risks for web applications.
C) To provide free security testing tools.
D) To set legal standards for cybersecurity professionals.

2**. Which of the following best describes a SQL injection attack?**
A) An attacker injects harmful SQL queries into a website's database.
B) A hacker sends a phishing email with a malicious link.
C) Malware infects a user's system via an email attachment.
D) A website crashes due to excessive traffic.

3. What was the primary method used in the Uber 2022 data breach?
A) Ransomware attack.
B) Zero-day exploit.
C) Social engineering (MFA fatigue attack).
D) Denial-of-Service (DoS) attack.

4. Which phase of incident response involves identifying Indicators of Compromise (IoCs)?
A) Containment.
B) Detection & Analysis.
C) Eradication.
D) Recovery.

5. The OWASP Top 10 list is updated yearly to reflect emerging security threats.

A) True.
B) False.

6. Which of the following are examples of OWASP Top 10 threats? (Select all that apply)
A) Security Misconfiguration.
B) Malware Infections.
C) SQL Injection.
D) Server-Side Request Forgery (SSRF).

7. Which of the following are steps in the Incident Response process? (Select all that apply)
A) Preparation.
B) Exploitation.
C) Eradication.
D) Recovery.

8. What actions can organizations take to strengthen authentication security? (Select all that apply)
A) Use Multi-Factor Authentication (MFA).
B) Allow weak passwords for easy recall.
C) Implement strict session management.
D) Enforce account lockout after multiple failed login attempts.

9**. What is the main goal of threat hunting in cybersecurity?**

10. **What are two key steps organizations take to prevent injection attacks?**

End of Quiz