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Cybersecurity-Fundamentals

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Question: 1

In incident response, what is the primary purpose of the containment phase?

Response:

- A. To eliminate the threat from the network
- B. To identify the source of the breach
- C. To prevent the spread of an incident
- D. To recover data lost during the incident

Answer: C

Question: 2

In cybersecurity, what role does the principle of 'defense in depth' serve?

Response:

- A. To provide redundant security mechanisms in case one fails
- B. To ensure that individual security components are not dependent on one another
- C. To create a single, impenetrable layer of security
- D. To prioritize security alerts based on their severity

Answer: A

Question: 3

'Zero Trust' architecture relies on which core principle?

Response:

- A. Trust no entity and verify every interaction
- B. Trust is based on the network location
- C. Zero security breaches are possible
- D. Trust can be established through biometrics alone

Answer: A

Question: 4

During which phase of incident response are actions taken to prevent the spread of an incident?
Response:

- A. Preparation
- B. Detection and Analysis
- C. Containment, Eradication, and Recovery
- D. Post-Incident Activity

Answer: C

Question: 5

Which of the following is a key characteristic of Advanced Persistent Threats (APTs)?
Response:

- A. They use a single method of attack and are easily mitigated
- B. They are typically conducted by individuals rather than groups
- C. They persistently target specific organizations to fulfill their objectives
- D. They exclusively target software vulnerabilities, not human factors

Answer: C

Question: 6

What is the primary function of threat hunting in cybersecurity?
Response:

- A. To respond to alerts that are generated by detection systems
- B. To proactively search for and mitigate undetected threats
- C. To install and update antivirus software across the organization
- D. To create security policies and procedures

Answer: B

Question: 7

Which is a critical first step after detecting a potential cybersecurity incident?
Response:

- A. Notifying the media
- B. Isolating affected systems

- C. Conducting a company-wide meeting
- D. Updating the organization's website

Answer: B

Question: 8

Advanced Persistent Threats (APTs) are distinguished by which of the following characteristics?
(Choose Two)

Response:

- A. Their use of highly sophisticated hacking techniques and technologies
- B. Their focus on a specific target over an extended period
- C. Their reliance on large-scale automated exploits
- D. Their goal to disrupt rather than gather intelligence

Answer: A,B

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