

CHAPTER 8: PHYSICAL SECURITY CONTROL

Multiple Choice:

1. Physical security deals with all of the following except:

- A. Buildings
- B. Logical systems
- C. Computer Rooms
- D. Computer devices

Answer: B **Reference:** Introduction

Difficulty: easy

2. Which of the following is NOT a less sophisticated physical security check?

- A. Biometrics
- B. Badge reader
- C. Television monitors
- D. Airport x-rays

Answer: A **Reference:** Understanding the Physical Security Domain

Difficulty: moderate

3. In the balance of keeping the unwanted out and making it easy for those allowed to get in, which of the following is NOT required?

- A. Trusted people
- B. Effective processes
- C. Creative monitoring
- D. Appropriate technology

Answer: C **Reference:** Understanding the Physical Security Domain

Difficulty: moderate

4. Which of the following is not an area of physical security?

- A. How to protect against hackers
- B. How to secure a site
- C. How to protect property
- D. How to protect equipment

Answer: A **Reference:** Understanding the Physical Security Domain **Difficulty:** easy

5. Which of the following are major categories of physical security threats as defined in the CBK?

- A. Weather
- B. Earth movement
- C. Both of the above
- D. Neither of the above

Answer: C **Reference:** Physical Security Threats **Difficulty:** moderate

6. Which of the following is a weather related physical security threat?

- A. Earthquake
- B. Flood
- C. Loss of power
- D. Infestation

Answer: B **Reference:** Physical Security Threats **Difficulty:** moderate

7. The best weapon a company can have against physical security threats is:

- A. Motion detectors
- B. A security plan
- C. Unbreakable firewalls
- D. An educated staff

Answer: D **Reference:** Providing Physical Security **Difficulty:** moderate

8. Which of the following are methods of educating the staff about security?

- A. Security education bulletins
- B. Constant reinforcement
- C. Awareness days
- D. A and C only

Answer: D **Reference:** Educating Personnel **Difficulty:** moderate

9. Access controls involve all of the following except:

- A. Perimeter security

- B. Restricting work areas
- C. Escort requirements
- D. Visitor control

Answer: A **Reference:** Administrative Access Controls

Difficulty: moderate

10. Which of the following are considerations in site selection?

- A. Visibility
- B. Transportation
- C. Both of the above
- D. Neither of the above

Answer: C **Reference:** Site Selection

Difficulty: moderate

11. A PIDAS is a(n) _____:

- A. Physical security plan
- B. Perimeter assessment system
- C. Badge system
- D. Mantrap

Answer: B **Reference:** Perimeter Security Controls

Difficulty: moderate

12. Which of the following is the least effective perimeter security control?

- A. Turnstiles
- B. Mantraps
- C. Gates
- D. Fences

Answer: A **Reference:** Perimeter Security Controls

Difficulty: easy

13. Which of the following is NOT a perimeter security control device?

- A. Badges
- B. Smart cards
- C. Locks
- D. Lighting

Answer: B **Reference:** Physical Security Controls

Difficulty: moderate

14. From a physical standpoint, how are smart cards classified?

- A. Contact
- B. Contact-less
- C. Combination
- D. All of the above

Answer: D **Reference:** FYI Taxonomy of Smart Cards

Difficulty: moderate

15. A Smart Card includes all of the following except:

- A. Printed circuit
- B. Microcontroller
- C. Biometric control
- D. Plastic support

Answer: C **Reference:** Figure 8.2 A Smart Card

Difficulty: moderate

16. Tracing the history of a transaction through an institution is called:

- A. Audit trail
- B. Intrusion control
- C. Biometrics
- D. Authentication control

Answer: A **Reference:** Audit Trails/Access Logs

Difficulty: moderate

17. Which of the following information is part of an audit trail?

- A. User password
- B. Date of the transaction
- C. Description of the audit trail
- D. All of the above

Answer: B **Reference:** Audit Trails/Access Logs

Difficulty: moderate

18. Which of the following are categories of intrusion detection devices?

- A. Perimeter intrusion detectors

- B. Motion detectors
- C. Both of the above
- D. Neither of the above

Answer: C **Reference:** Intrusion Detection

Difficulty: moderate

19. The word Biometrics means “life measurements” in what language?

- A. Latin
- B. Old English
- C. Greek
- D. None of the above

Answer: C **Reference:** Biometrics

Difficulty: moderate

20. Any security system must balance what with security?

- A. Intrusion
- B. Convenience
- C. Scalability
- D. Simplicity

Answer: B **Reference:** Biometrics

Difficulty: moderate

21. The critical areas of environmental/life safety controls are?

- A. Power
- B. Authentication
- C. Weather
- D. All of the above.

Answer: A **Reference:** Environmental/Life Safety Controls

Difficulty: moderate

22. Which of the following is not a main area of fire detection and suppression?

- A. Fire types
- B. Fire detectors
- C. Fire controls
- D. Fire-extinguishing systems

Answer: C **Reference:** Fire Detection and Suppression **Difficulty:** moderate

23. HVAC relates to which of the following environmental/life safety controls?

- A. Weather
- B. Fire
- C. Power
- D. Air conditioning

Answer: D **Reference:** Environmental/Life Safety Controls **Difficulty:** easy

24. Why would New Orleans possibly not be an ideal site for a data operations center?

- A. Lack of transportation
- B. Prevalence of hazardous waste sites
- C. Lack of a trained work force
- D. Danger of natural disaster.

Answer: D **Reference:** Site Selection **Difficulty:** difficult

Fill in the Blank:

25. If you cannot physically support hardware it is not possible to protect programs and _____.

Answer: Data **Reference:** Introduction **Difficulty:** moderate

26. Generally the level of _____ security is proportional to the value of the protected property.

Answer: Physical **Reference:** Understanding the Physical Security Domain **Difficulty:** moderate

27. Putting in place safeguards to protect assets and assure continuity of business in the event of man-made or natural disasters is the _____ of the Physical Security domain.

Answer: Goal **Reference:** Understanding the Physical Security Domain **Difficulty:** moderate

28. Potential physical security threats for a given location often determine _____.

Answer: Site selection **Reference:** Physical Security Threats **Difficulty:** moderate

29. _____ is a major category of physical security defined by floods, fire, snow, ice, and so forth.

Answer: Weather **Reference:** Physical Security Threats **Difficulty:** easy

30. _____ is a major category of physical security defined by loss of power, radiation, magnetic wave interference, and so forth.

Answer: Energy **Reference:** Physical Security Threats **Difficulty:** moderate

31. _____ is a major category of physical security defined by virus, bacteria, and infestations of animals or insects.

Answer: Biological **Reference:** Physical Security Threats **Difficulty:** moderate

32. The best weapon against illegitimate and accidental acts by others is a(n) _____ staff.

Answer: Educated **Reference:** Educating Personnel **Difficulty:** moderate

33. Employees must be mindful of the physical and environmental considerations needed to protect _____ systems.

Answer: Computer **Reference:** Educating Personnel **Difficulty:** moderate

34. Typically a data operations center would be located at a(n) _____ that is an inconspicuous location.

Answer: Site **Reference:** Site Selection **Difficulty:** moderate

35. Preventing unauthorized access to a facility is the goal of _____ security controls.

Answer: Perimeter **Reference:** Perimeter Security Controls **Difficulty:** moderate

36. _____ detectors and alarms alert security personnel when an unauthorized person attempts to access a system or building.

Answer: Intrusion **Reference:** Intrusion Detection **Difficulty:** moderate

37. Foreign _____ have restricted access privileges in many government facilities.

Answer: nationals **Reference:** Administrative Access Controls **Difficulty:** moderate

38. _____ is an acronym for perimeter intrusion and detection assessment system.

Answer: PIDAS **Reference:** Physical Security Controls **Difficulty:** moderate

39. The problem of _____ is often solved by using mantraps.

Answer: piggybacking **Reference:** Physical Security Controls **Difficulty:** moderate

40. The use of computer hardware and software to provide security is known as _____ controls.

Answer: technical **Reference:** Technical Controls **Difficulty:** moderate

41. _____ are classified as contact, contact-less, or a combination of the two.

Answer: Smart Cards **Reference:** FYI A Taxonomy of Smart Cards **Difficulty:** moderate

42. Where a transaction is performed is an integral part of the _____ process.

Answer: audit trail **Reference:** Audit Trails/Access Logs **Difficulty:** moderate

43. Using _____ is the cheapest and most reliable form of biometrics authentication.

Answer: fingerprints **Reference:** How Best Can Authentication be Achieved **Difficulty:** moderate

44. Humidity above 60% is a threat to a computer's _____ system.

Answer: power **Reference:** Power **Difficulty:** moderate

45. Dry pipe sprinkler systems do not have standing _____ in the pipes at all times.

Answer: water **Reference:** Fire Detection and Suppression **Difficulty:** moderate

Matching:

46. Match the following terms to their meanings:

- | | |
|-------------------|---|
| I. Human | A. Loss of power, radiation, and magnetic wave interference |
| II. Biological | B. Bacteria, virus, infestations of animals or insects |
| III. Energy | C. Explosions, toxic waste, gas |
| IV. Fire/chemical | D. Heat, cold, humidity |
| V. Weather | E. Terrorism, war, strikes, and sabotage |

Answer: E B A C D **Reference:** Physical Security Threats **Difficulty:** moderate

47. Match the following terms to their meanings:

- | | |
|------------------------|---|
| I. Visibility | A. Needed for emergency evacuation |
| II. Locale | B. Local ordinances, variances, landfills |
| III. Natural disasters | C. Inconspicuous and low-key |
| IV. Transportation | D. Examine weather patterns |

Answer: C B D A **Reference:** Site Selection **Difficulty:** easy