

IC32 - Pre-Instructional Survey

Name _____ Date _____

1. Most of the new and most dangerous hacking activity today is being driven by:
 - a. Teenagers
 - b. Terrorists
 - c. Hacker clubs
 - d. Organized crime

2. Which three basic properties are the building blocks of cyber security?
 - a. Identification, Integrity, and Authorization (I I C)
 - b. Confidentiality, Integrity and Availability (C I A)
 - c. Authorization, Reliability, and Integrity (A R I)
 - d. None of the above

3. What is the biggest security problem if business networks connect directly to manufacturing control systems?
 - a. Too many business users requesting data will slow control system operation to a crawl, endangering the security of processes.
 - b. Production workers will change data in business systems given the opportunity.
 - c. Outsiders and malware can penetrate critical industrial control systems and upset critical processes.

4. If a denial of service attack shuts down an industrial network, which basic security property is affected?
 - a. Usability
 - b. Availability
 - c. Integrity
 - d. Reliability

5. Which is of the following is NOT an element of the ISA99.00.02 – Selected Security Counter Measures group?
 - a. Personnel Security
 - b. Physical and Environmental Security
 - c. Encryption Technology
 - d. Network Segmentation

6. "Countermeasures" in cyber security are measures taken to:
 - a. Eliminate system penetration by outsiders
 - b. Confuse perimeter intrusion detectors
 - c. Reduce the system's risk of loss from vulnerabilities and threats
 - d. Eliminate the risk of an inside attacker taking over a computer network

7. Why would a company issue security policies for industrial networks?
 - a. To let outside intruders know the consequences of their actions.
 - b. To clearly establish which department "owns" the network
 - c. To guide a company's cybersecurity department on how to catch security violations.
 - d. To communicate the responsibilities of users, management, IT staff for company security.

8. A key factor for the success of a cyber security program is:
 - a. Security policy, objectives and activities that reflect business objectives.
 - b. Strict rules that forbid interconnection of control system to business systems.
 - c. The latest in security technologies.
 - d. None of the above.

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1. d
2. b
3. d
4. b
5. c
6. c
7. d
8. a