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Blockchain CBSP

Version Demo

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QUESTION NO: 1

Which type of attack misuses Internet protocols to attack the blockchain? Select all that apply.

A. Denial of Service

B. Eclipse

C. Sybil

D. Routing

ANSWER: A B C

QUESTION NO: 2

The public visibility of blockchain data increases the risks associated with the compromise of encryption algorithms

A. True

B. False

ANSWER: B

QUESTION NO: 3

Which types of network attacks focus on partitioning the blockchain network? Select all that apply

A. Eclipse

B. Sybil

C. Denial of Service

D. Routing

ANSWER: A B C

QUESTION NO: 4

Which of the following are necessary properties for a cryptographic hash function to be secure? Select all that apply

A. Randomness

B. Large State Space

C. One-Way

D. Non-Locality

ANSWER: B C D

QUESTION NO: 5

Determining if a transaction is part of the distributed ledger is less computationally intensive in DAG-based solutions than in blockchain

A. True

B. False

ANSWER: A

QUESTION NO: 6

Poorly designed smart contracts can only be disabled on the blockchain if this functionality was built in from the beginning

A. True

B. False

ANSWER: A

QUESTION NO: 7

This sample code is vulnerable to which of the following attacks? Select all that apply

```
1 function withdraw(uint _amount) {
2     require(balances[msg.sender] - _amount > 0);
3     msg.sender.transfer(_amount);
4     balances[msg.sender] -= _amount;
5 }
```

A. Arithmetic

B. Race Conditions

C. Unchecked Return Values

D. Short Addresses

ANSWER: A

QUESTION NO: 8

Which of the following smart contract vulnerabilities can cause a smart contract's balances ledger to become incorrect? Select all that apply

A. Arithmetic

B. Unchecked Return Values

C. Race Condition

D. Reentrancy

ANSWER: B C D

QUESTION NO: 9

Which of the following attacks only requires a single account and performs only normal blockchain operations?

A. Replay Attack

B. Routing Attack

C. 51% Attack

D. Eclipse Attack

ANSWER: A

QUESTION NO: 10

Which of the following attacks were enabled by design decisions made by the blockchain's developers? Select all that apply

A. Bitcoin

B. EOS

C. Verge

D. List

ANSWER: C D