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Blockchain CBSP

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QUESTION NO: 1

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

QUESTION NO: 2

Sidechains can benefit the mainchain in what ways? Select all that apply

- A. Speed
- B. Functionality
- C. Scalability
- D. Security

ANSWER: B C

QUESTION NO: 3

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: 4

Which of the following are common inputs to the algorithm to select the next block creator in Proof of Stake? Select all that apply

- A. Age of User Account
- B. Time Since Last Chosen to Create a Block
- C. Stake Size
- D. User Activity on the Blockchain

ANSWER: B C D

QUESTION NO: 5

Which smart contract auditing strategy identifies which variables in the function can be affected by the person running it?

- A. Manual Code Analysis
- B. Symbolic Execution
- C. Taint Analysis
- D. Control Flow Analysis

ANSWER: B

QUESTION NO: 6

Which of the following features were exploited as part of the Verge cryptocurrency hack?

Select all that apply.

- A. Mining Difficulty Update Function
- B. Multiple Hash Functions
- C. Timestamp Flexibility
- D. Short Addresses

ANSWER: A D

QUESTION NO: 7

Compromising blockchain accounts is beneficial to which of the following types of attacks?

- A. 51% Attack
- B. Eclipse Attack
- C. Routing Attack
- D. Sybil Attack
- E. All of the above

ANSWER: D

QUESTION NO: 8

All smart contracts are audited for correctness and checked for malicious code before being uploaded to the blockchain.

- A. True
- B. False

ANSWER: B

QUESTION NO: 9

Which of the following are good ways to get pseudo-random numbers for smart contracts?

- A. Private variables
- B. Private functions
- C. Block hashes
- D. External oracle

ANSWER: D

Explanation:

QUESTION NO: 10

Ring signatures are designed to do which of the following?

- A. Conceal transaction amount
- B. Conceal transaction recipient
- C. Conceal shared secret
- D. Conceal transaction sender

ANSWER: D