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QUESTION 1

Which technical feature of blockchain best promotes the notion of a blockchain being "censorship resistant"?

- A. An immutable ledger of transactions
- B. Permissions-based transactions
- C. Smart Contracts/transactional code that is executed "on chain"
- D. Consensus systems through Proof of Work and Proof of Stake

Correct Answer: A

QUESTION 2

Gas has multiple associated terms with it: Gas Prices, Gas Cost, Gas Limit, and Gas Fees. The principle behind Gas is to have a stable value for how much a transaction or computation costs on the Ethereum network.

Which is considered to be the static value for how much a computation costs in terms of Gas?

- A. Price
- B. Fee
- C. Cost
- D. Limit
- Correct Answer: C

Gas Cost is a static value for how much a computation costs in terms of Gas, and the intent is that the real value of the Gas never changes, so this cost should always stay stable over time

QUESTION 3

What is the nonce-field in a transaction?

- A. To sum up all ethers sent from that address
- B. Protects against replay attacks
- C. To distribute the workloads in the EVM
- D. Adds a checksum for transactions

Correct Answer: B

If you send off a transaction, then several fields have to be set. These include: ?nonce: It is a sequence number for the sending account which counteracts replay attacks ?gasprice: price offered to pay per gas ? startgas: upper limit for the gas consumption ?to: destination address (EoA or contract address) ?value: Ether to transfer ?data: Data to transfer ?v,



r, s: ECDA signature.

QUESTION 4

What are two advantages of using a DPOS algo in a blockchain? (Select two.)

A. Scalable

- B. Governance Model
- C. Efficiency
- D. Fast transactions
- E. Centralized

Correct Answer: AD

The advantages of DPoS are that it is scalable and provides fast transaction verification, but the disadvantage is that it partially centralized and the governance model has not been proven effective in a large project. DPoS is employed by Steemit, EOS, and BitShares.

Reference: https://hackernoon.com/an-overview-of-cryptocurrency-consensus-algorithms-9d744289378f

QUESTION 5

There are two types of tokens in blockchain solutions. (Select two.)

- A. Legal
- B. Utility
- C. Equity
- D. Financial
- Correct Answer: BC

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