

**#1. Which blockchain platform is known for its focus on providing privacy and anonymity in transactions?**

- Monero
- Bitcoin
- Ethereum
- Litecoin
- Ripple

**#2. What is the purpose of a nonce in a proof of work consensus algorithm?**

- To adjust the difficulty of mining
- To encrypt transaction data
- To verify the transaction history
- To generate a public address
- To validate the consensus algorithm

**#3. What is the function of a token in a blockchain ecosystem?**

- A digital asset representing ownership or utility
- A cryptographic hash function

A form of private key

A type of consensus algorithm

A way to bundle transactions

**#4. Which blockchain platform is designed for facilitating cross-border payments and remittances?**

Ripple

Ethereum

Bitcoin

Stellar

EOS

**#5. What is the purpose of a gas fee in the Ethereum blockchain?**

To incentivize miners to process transactions

To validate the consensus algorithm

To facilitate peer-to-peer transactions

To create and verify smart contracts

To adjust the difficulty of mining

#6. What is the main advantage of a permissioned blockchain compared to a public one?

- Greater control over who participates
- High scalability
- Enhanced privacy
- Improved performance
- Open and transparent for anyone to join

#7. Which blockchain platform uses the “Solidity” programming language for smart contract development?

- Ethereum
- Bitcoin
- Ripple
- Litecoin
- Cardano

#8. What is a 51% attack in the context of blockchain security?

- When an entity gains control of over 50% of the network's mining power
- When an entity gains control of over 50% of the network's nodes

When an entity successfully hacks a smart contract

When an entity controls 51% of the cryptocurrency supply

When an entity achieves 51% consensus in a consortium blockchain

**#9. Which consensus algorithm aims to achieve consensus by ensuring that each node in the network has an equal chance of validating a block?**

Proof of Work (PoW)

Proof of Stake (PoS)

Proof of Authority (PoA)

Proof of Burn (PoB)

Proof of Activity (PoA)

**#10. What is the purpose of a cold wallet in cryptocurrency storage?**

To store cryptocurrency offline and protect it from hacking

To mine new blocks

To create smart contracts

To facilitate peer-to-peer transactions

To validate consensus rules

#11. Which type of attack involves flooding a network with a large volume of transactions to overwhelm its capacity?

- Denial of Service (DoS)
- Sybil Attack
- 51% Attack
- Eclipse Attack
- Double-Spending Attack

#12. What is the function of a “soft fork” in blockchain technology?

- A backward-compatible upgrade to the protocol
- A type of cryptographic hash function
- A secure way to store private keys
- A type of consensus mechanism
- A type of blockchain token

#13. Which blockchain platform is designed for creating and executing smart contracts, particularly in enterprise settings?

- Corda
- Tezos

Truffle

VeChain

R3

**#14. What is the role of a validator in a proof of stake consensus algorithm?**

To create new blocks and validate transactions

To mine new blocks

To validate the consensus algorithm

To generate a public address

To secure private keys

**#15. What is the primary benefit of using a consortium blockchain over a public one?**

Greater control and privacy for a group of known participants

High scalability

Enhanced security and transparency

Improved performance

Open and transparent for anyone to join

**#16. What is the purpose of a consensus algorithm in a blockchain network?**

- To achieve agreement on the state of the ledger
- To encrypt transaction data
- To adjust the difficulty of mining
- To create a digital signature
- To validate the consensus rules

**#17. What does the term “immutable” mean in the context of blockchain technology?**

- Unable to be changed or altered
- Easily modifiable
- Highly scalable
- Rapidly evolving
- Centralized and controlled

**#18. Which blockchain platform is known for its focus on facilitating supply chain management?**

- VeChain
- Bitcoin

Ethereum

Stellar

NEO

#19. What is the primary advantage of using a blockchain for supply chain management?

Increased transparency and traceability

Decreased security risks

Lower operational costs

Faster transaction processing

Centralized control

#20. What is the purpose of a “hard fork” in blockchain technology?

A non-backward-compatible upgrade to the protocol

A type of cryptographic hash function

A secure way to store private keys

A type of consensus mechanism

A type of blockchain token

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## Results

