

# ADVANCED QUIZ

## 1 What is a hash function?

- A A hardfork
- B UTXO
- C Gas
- D Takes an input of any length and returns a fixed-length string of numbers and letters

## 2 What characteristic makes blockchain tamper-proof?

- A Immutability
- B Cryptocurrency
- C Servers
- D VPNs

## 3 What is the name of the research paper that brought Bitcoin to the world?

- A Black Paper
- B White Paper
- C Green Paper
- D Mauve Paper

## 4 Bitcoin uses UTXO. Ethereum uses:

- A Double Spend
- B UTXO
- C Account Balance
- D Smart Contracts

## 5 What are sidechains?

- A Another term for a hash function
- B Smart Contracts that have forked
- C A parallel network running adjacent to the main blockchain network for additional security
- D Any mechanism that allows tokens from one blockchain to be securely used within a completely separate blockchain

## 6 What is a Lite Client?

- A A server
- B A platform to develop dApps
- C Allows users to interact with the blockchain without downloading the whole blockchain
- D A type of cryptocurrency

## 7 What is a Masternode?

- A Two nodes sharing resources
- B A single node that runs the whole network
- C Master of all Nodes!
- D A node that provides additional supervisory network service

## 8 In Bitcoin, when do miners earn block rewards?

- A When a block is successfully mined
- B When they log onto the network
- C By maintaining accurate records
- D Upon node installation

## 9 What consensus model does Bitcoin use?

- A Proof Of Concept
- B Proof Of Authority
- C Proof Of Work
- D Proof Of Stake

## 10 What is the variable that the nodes mining bitcoin race to solve?

- A The hash value
- B A Nonce
- C Hash power
- D Transaction volume