



Certified Blockchain Solutions Architect

- CBSA Pretest – Knowledge Check Answers

Pre Test Question

1. What consensus algorithm uses miners to validate transactions?
 - a. Proof of Stake
 - b. Proof of Elapsed Time
 - c. Proof of Work
 - d. Proof of Capacity

Pre Test Question

2. Blockchain technology is built from which of the following sets of technologies?

- a. P2P Networks, Public Key Encryption and Programs
- b. Centralized Networks, RSA Encryption and Programs
- c. P2P Networks, RSA Encryption and Enforcement
- d. P2P Networks, Private Key Encryption and Contracts
- e. Centralized Networks, RSA Encryption and Contracts

Pre Test Question

3. An X.509 certificate is used for _____

- a. certification of transaction consensus
- b. validating node performance
- c. the issuing of private keys
- d. identity validation

Pre Test Question

4. Blockchain's use of cryptographic hashing provides for _____

- a. the maintaining of data integrity
- b. making data blocks tamper proof
- c. network security to work in unison
- d. All of the above answers

Pre Test Question

5. What application is used by Hyperledger Fabric to communicate with the network?

- a. JSON
- b. Binary
- c. SDK
- d. RPC API

Pre Test Question

6. Voting-based algorithms are advantageous because they provide_____

- A) low-latency finality
- B) high-performance
- C) low-latency consensus
- D) high-security

Pre Test Question

7. Hyperledger Fabric Consensus is planned out into 3 phases. Which one is NOT a phase?

- A) Endorsement
- B) Ordering
- C) Validation
- D) Segregation

Pre Test Questions

8. The primary purpose of Hyperledger Composer is:

- a) Allowing blockchain applications to run on computers with slow processing power
- b) Accelerate the time to develop a blockchain application
- c) Make it easy to integrate blockchain technology into legacy systems
- d) Both B and C

Pre Test Questions

9 . What type of fork describes a major modification to the blockchain protocol which makes previously invalid blocks or transactions valid?

- a. Hard fork
- **b. Soft fork**
- c. Either hard or soft forks
- d. Segwit Fork

Pre Test Questions

10. When discussing Ethereum with your customers, what would be the best statement to use when comparing to cryptocurrencies?

- a. Ethereum is the platform and Ether is its cryptocurrency.
- b. Ether is a platform and Ethereum is the cryptocurrency for Ether.
- c. Ethereum is a platform and Ether is the test platform. Bitcoin is used as the cryptocurrency for Ethereum.
- d. None of the above.

Pre Test Questions

11. Which of the following would NOT be true about what a smart contract gives your organization?

- a. Autonomy
- b. Trust
- c. Legal assurance
- d. Savings

Pre Test Questions

12. Ethereum has four main components. Which of the following components executes smart contracts?

- a. EVM
- b. Node
- c. Smart Contract code
- d. dApps

Pre Test Questions

13. A limitation of the EVM not associated with other types of virtual state machines is that the EVM is intrinsically bound by which variable parameter ?

- a. Gas
- b. CPU
- c. Code Base
- d. Location

Pre Test Questions

14. In what year was the whitepaper “Bitcoin: A Peer-to-Peer Electronic Cash System” by Satoshi Nakamoto, which outlines a solution to the double-spending problem, published?

- a. 2008
- b. 2009
- c. 2011
- d. 2012

Pre Test Questions

15. When the distributed ledger has been updated and all nodes maintain their own identical copy of the ledger, the nodes have reached which point?

- a. Consensus
- b. Agreement
- c. Distributed
- d. Immutable

Pre Test Answers

Go to MyBlockchainExperts.org to find out the answers as well as get more practice questions.

Myblockchainexperts.org and go to CBSA Practice Exams