Blockchain CBBF Practice Questions

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Question 1

Question Type: MultipleChoice

Which item(s) make up a block header?

Options:

A- The hash of the Merkle root and the header of the previous block
B- The hash of every transaction in a specific block and the next block
C- The time stamp of the block and the genesis block hash
D- The hash of the previous block

Answer:

D

Question 2

Question Type: MultipleChoice

How do consensus algorithms like Proof of Work or Proof of Stake incentivize miners to participate?

Options:

A- By paying miners with U.S. dollars
B- By paying the miners with cryptocurrency
C- By placing their name on the Blockchain
D- By not charging users monthly subscription costs

Answer:

B

Question 3

Question Type: MultipleChoice

Blockchain work best when they are _____ .

Options:

A- Combined with other technologies
B- Used for financial applications
C- Used alone
D- Used as an alternative to a database

Answer:

A

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Question 4

Question Type: MultipleChoice

What happens if a block is confirmed at the same time?

Options:

A- Both chains are deleted, and the unconfirmed transactions are added back to the pool
B- Nodes select which block to be added to the Blockchain
C- A private Blockchain is more efficient and has faster transaction times
D- The Orderer Block confirms which block has the most confirmed transactions
E- The blocks splits into two chains. Blocks are then added to each chain until one chain becomes larger. The longest chain is then considered to be the Blockchain.

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Answer:

B

Question 5

Question Type: MultipleChoice

In a private business Blockchain, transactions are endorsed by_____.

Options:

A- only relevant business participants
B- only the smart contract developer
C- all the nodes on the Blockchain
D- all participants with access to the network

Answer:

A

Question 6

Question Type: MultipleChoice

Once a record is stored on the Blockchain _____.

Options:

A- the record is moved to a secure server
B- the record is stored on a central node
C- it can be changed by an authorized person
D- the record is permanent
Reference can be changed by an authorized person

Answer:

D

Question 7

Question Type: MultipleChoice

In which consensus algorithm is a nonce used?

Options:

A- Proof of Activity
B- Proof of Work
C- Proof of Stake
D- Proof of Burn
E- Through consensus algorithms such as Proof of Work

Answer:

B

Question 8

Question Type: MultipleChoice

The Corda distributed ledger is designed for _____.

Options:

A- Any business transactions
B- International shipping
C- The transportation industry
D- Financial transactions

Answer:

D

Question 9

Question Type: MultipleChoice

Which option best statements sums up the Proof of Work consensus process?

Options:

A- Miners complete to find a nonce results in a hash that starts with a predetermined number of leading zeros.
B- Miners put up a stake. A miner is then selected based on stake value to add a new block to the chain. If a miner adds an invalid block to the chain, that miner loses their stake.
C- All nodes agree on the data of the transaction.
D- Miners send assets to an inactive address. This process selects the next owner of a block.

Answer:

C

Question 10

Question Type: MultipleChoice

Which Blockchain protocol uses Proof of Work Consensus? Select all that apply

Options:

A- Hyperledger
B- Corda
C- Bitcoin
D- Ethereum
E- Where the Blockchain is created

Answer:

A, C, D

Question 11

Question Type: MultipleChoice

What is the focus or main goal of a private Blockchain? Select all that apply.

Options:

A- To provide anonymity in business
B- To save money by eliminating intermediaries
C- To create a distributed database that allows for CRUD
D- To provide transparency and trust for business while remaining secure

Answer:

D

Question 12

Question Type: MultipleChoice

Blockchain technology uses_____.

Options:

A- the latest banking software
B- the same network S/W as the central bank
C- the latest router S/W and network H/W
D- A combination of older technology

Answer:

D

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