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Question 1

If a hard fork occurs on a public blockchain software and 20 running nodes choose not to update, what can be said about those 20 nodes?

Options:

A- They are effectually now operating on a different blockchain network than the nodes that updated

B- They are considered "out of compliance"

C- They are flagged for removal from the network and can no longer collect fees

D- They are unable to achieve consensus

Answer:

A

Question 2

What is the accepted best practice for preventing contract addresses from changing when a new contract is released?

Options:

A- Move your contract to a new blockchain

B- Delete the old contract and add the new version in its place

C- Addresses always change so use a calling contract

D- Use the "- -addressForce" parameter when releasing a new contract

Answer:

D

Question 3

Question Type: MultipleChoice

In common blockchain design, which data structure is used to create a lightweight digital fingerprint of all the transactions within a block?

A- Blockchains are unique in that they utilize no data structures

B- Lexicographic Search Tree

C- Bloom Filter

D- Merkle Tree

Answer:

D

Question 4

Question Type: **MultipleChoice**

In public key cryptography, the private key is used to:

Options:

A- Encrypt the public key

B- Generate unique hash values each time it is used

C- Verify the digital signature of a public key

D- Sign/approve any transaction/action that might be made by the holder of the key pair

Answer:

D

Question 5

Question Type: MultipleChoice

Records on a public blockchain are deleted by?

Options:

A- They cannot be deleted

B- Filing a request with the Ethereum Foundation

C- Recalling the transaction of Etherscan.io

D- Deleting the transaction from the app that sent it

Answer:

A

Question 6

Question Type: **MultipleChoice**

The two main types of transactions you can perform in Hyperledger Fabric are:

Options:

A- Chaincode Read and Chaincode Write transactions

B- Deploy and Invoke transactions

C- HFRead and HFAppend transactions

D- Call and Write transactions

Answer:

B

Question 7

One consideration that should be taken into account when building a product on a public blockchain is:

Options:

A- Blockchain fees associated with transactions that both the product and the user may have in order to use the product on that blockchain

B- What countries the blockchain is available in

C- How you can transfer your tokens to another blockchain if you decide to switch

D- How often the blockchain goes offline for maintenance

Answer:

C

Question 8

Consider the following scenario. A startup is building a chat app for smart phones where the messages sent between users are anonymous and get destroyed within 24 hours of being sent.

Which architecture would best solve the product need?

Options:

A- Ethereum for token management and chat messages; Mobile apps use JSON-RPC to communicate directly with Smart Contracts

B- Private blockchain to persist chat messages; Custom built token system with private blockchain smart contract

C- Token management for shareholders in a public blockchain; Mobile apps and data management built on existing multitier systems without use of blockchain

D- Hybrid blockchain for token management with Proof of Stake; private blockchain to persist the chat messages

Answer:
C

Question 9

Question Type: MultipleChoice

Which of these desired outcomes is best obtained through a Blockchain solution?

Question 10

Question Type: **MultipleChoice**

In regard to blockchain, complete autonomy, transparency, and decentralization:

Options:

A- Are the aim of all distributed banking and financial institutions

B- Will never be achievable due to technology limitations

C- Are highly valuable in some use cases and completely undesirable in other use cases

D- Are the foundation principles that allow blockchain to operate successfully

Answer:

D