Vendor: Blockchain

Exam Code:CBDE

Exam Name:BTA Certified Blockchain Developer - Ethereum

Version: Demo

QUESTION 1

It\\'s not possible to use inheritance from multiple sources in Solidity.

A. True

B. False

Correct Answer: B

QUESTION 2

Events:

A. are stored on chain and are a great way to get a return value when a contract calls another contract.

B. are stored in something like a side-chain and cannot be accessed by contracts.

C. are used primarily for debugging exceptions in solidity.

Correct Answer: B

QUESTION 3

Multi-Line Comments in Solidity are:

A. working with either // or ///

B. working with /* comment */ or /** @.. natspec style */

C. not possible, all comments must be single-line.

Correct Answer: B

QUESTION 4

When using assert to check invariants and it evaluates to false: A. all gas is consumed.

B. all remaining gas is returned.

Correct Answer: A

QUESTION 5

Smart Contracts can be written in:

A. Java, C++, Solidity and JavaScript, because the Ethereum Blockchain is completely language agnostic and cross

compilers exist for every major language.

B. Solidity, Viper, LLL and Serpent, because those are high level languages that are compiled down to bytecode.

C. Solidity and JavaScript, because those are the official first implementations for Distributed applications and the Blockchain supports those languages fully.

Correct Answer: B

QUESTION 6

To get most out of the blockchain, it is best:

A. to use it for the whole business logic. It\\'s always best to have everything in once place.

B. to use it only for things which need the benefits of the blockchain.

Correct Answer: B

QUESTION 7

For Rapid Development Cycles it\\'s good:

A. to deploy to the main-network as quickly as possible.

B. to use in-memory blockchain simulations, because mining works instantaneously.

C. to use a private network at all times, because this is the closest you get to the real network.

Correct Answer: B

QUESTION 8

Unit-Testing on a local chain is important, because it helps you:

A. to run tests quickly and especially for free, compared to continuous deployment on the MainNetwork. This way you save a lot of fees, time and costs.

B. to run tests in an environment where logging is activated. On the Main-Net you have no access to transaction logs and this is ultimately the information you need to debug your contracts.

C. to avoid regression bugs with contracts that are updated constantly on the main-net. Once you update a contract on the main-net, the address stays the same, but the code changes and this can have disastrous side-effects.

Correct Answer: A

QUESTION 9

Solidity files:

A. can\\'t be split across multiple files, everything should be in one single file.

B. can be split across multiple files, but every contract must be in a file with the same name as the contract itself.

C. can be spread across multiple files. To import all contract from a file you can use "import \\'myfile.sol\\'. To import Contract MyContract from myfile.sol you use "import {MyContract as SomeContract} from \\'myfile.sol\\';".

Correct Answer: C

QUESTION 10

To avoid issues during Ethereum platform upgrades:

A. it\\'s good to inform users about the updates via a newsletter.

B. it\\'s good to have the ability to pause a contract in order to manage the money at risk.

C. Ethereum doesn\\'t upgrade the platform. It\\'s fixed and final.

Correct Answer: B

QUESTION 11

Using truffle-contract over Web3.js:

A. is a must for every developer, because Web3.js changes so often.

B. is a convenient way because Web3.js is currently still in beta and truffle-contract can handle transactions with JavaScript-promises.

C. they are both completely different things. Truffle-Contract is a framework while Web3.js is a library.

Correct Answer: B

QUESTION 12

You need to use _____ to get the address that initiated the transaction.

A. Tx.origin

B. Msg.sender

Correct Answer: A