

# **Blockchain**

#### **CBSA Exam**

**Blockchain BTA Certified Blockchain Solution Architect Exam** 

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# Version: 9.0

Question: 1	
SHA-1 is the most commonly used SHA algorithm, and produces abyte h	ash value(size).
A. 256	
B. 128	
C. 32 D. 20	
	Answer: D
Explanation: SHA-1 is the most commonly used SHA algorithm, and produces a 20-byte hash v	alue.
Question: 2	
What type of attack would be considered a very large flaw in public blockcha Blockchain where the majority of hashpower could possibly be controlled thru ar What is the specific attack Bitcoin could be exposed to?	
A. 51% Attacks	
B. Tether Token Hack	
C. DDoS Attack D. BIP attack	
E. Parity Wallet Attack	
	Answer: A
Question: 3	
How many satoshis are in 1 bitcoin and how many wei in an Ether? (Select two.)	
A. 1,000,000,000,000,000	
B. 1,000,000,000,000 C. 1,000,000	
D. 10,000	
E. 1,000,000,000,000	
	nswer: A,B

Question: 4	
In the Proof of Stake(POS) algorithm the miners are really known as	?
A. Notary B. Oracle C. Forgers D. Minters	
	Answer: C
Explanation:  Proof of Stake has the same goal as proof of work—to validate transactions at the chain—and it uses an algorithm but with a different process. With proof of new block "is chosen in a deterministic way, depending on its wealth, also do in a proof of stake system, there is no block reward, but the miners, know transaction fees. Proponents of this shift, including Ethereum co-founder But for the energy and cost savings realized to get to a distributed form of consense.	of stake, the creator of a lefined as a stake." Since lown as forgers, get the lterin, like proof of stake
Question: 5	
A Byzantine failure is the loss of a system service due to a Byzantine requires What is required?  A. Consensus B. Crypthography C. Bandwidth D. Availability	fault in systems that
	Answer: A
Explanation: A Byzantine failure is the loss of a system service due to a Byzantine fault consensus.	in systems that require
Question: 6	
Acipher basically means it is using a fixed key which replace pseudorandom string of characters. It is basically the encryption of each letter What is the cipher type?	•
A. Stream B. Block C. Parallel	

D. RSA
Answer: A
Explanation:  Stream cipher basically means using a fixed key which replaces the message with a pseudorandom string of characters. It is basically the encryption of each letter one at a time.
Question: 7
You currently using the Metamask Chrome plugin and you see a selection for Etherescan in the plugin. What is Etherscan used for?
A. A search engine that allows users to easily lookup, confirm and validate transaction that have taken place on the Ethereum Blockchain
B. A search engine that allows users to easily lookup, confirm and validate transaction that have taken place on the Bitcoin Blockchain
C. A search engine that allows users to easily lookup, confirm and validate transaction that have taken place on the Ethereum and Tokens Blockchain
D. A search engine that allows users to easily lookup, confirm and validate transaction that have taken place on any Blockchain
Answer: A
Explanation: A search engine that allows users to easily lookup, confirm and validate transactions that have taken place on the Ethereum Blockchain
Question: 8
What are two challenges with using a Proof of Work algorithm? (Select two.)
A. Mining pools not allowed
B. Difficulty rate goes done every year. C. Expensive
D. Power Intensive
Answer: C,D
Question: 9

Your customer is an enterprise that is focused on financial sectors. What type of blockchain would this customer likely want specified for their enterprise?

Δ	Per	mis	sin	n	اودد

- B. Decentralized
- C. Hybrid
- D. Permissioned

#### Explanation:

Sometimes referred to as "private" blockchains, you are required to have some sort of permission to access any or parts of that blockchain. There are a multitude of variants and hybrid permissioned/permissionless blockchains that exist.

### Question: 10

Which is the following is the metaphor that describes a logical dilemma that plagues many computer networks?

- A. Neo Generals' problem
- B. Byzantine Generals' problem
- C. Byzantine Admirals' problem
- D. Renaissance Generals' problem

Answer: B	

#### Explanation:

BFT is so-named because it represents a solution to the "Byzantine generals' problem," a logical dilemma that researchers Leslie Lamport, Robert Shostak and Marshall Pease described in an academic paper published in 1982

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