

Blockchain review content for mid-term

1. Blockchain, BitCoin, Ethereum concepts
2. Concepts of cryptocurrencies and cryptocurrencies
3. Concepts of private, public and consortium blockchain
4. The concept of block, genesis chain, node, full node, wallet, mining, miner, consensus, Proof of work, Proof of Stack, Smart Contract, reward.
5. Encryption algorithm concepts (RSA, AES, neutral balance (số dư trung hoa), SHA)

Test: 35 questions in 45 minutes, choose 1 correct answer only, do not use materials

Example question for your reference, not have in exam definitely:

Question 1: Blockchain technology is currently best known to have 3 versions. Version 1.0, 2.0, and 3.0 with different tasks. Which of the following areas does version 2.0 of the application in?

- A. Currency and Payments
- B. Talent Main and Market
- C. Design and monitor operations
- D. Canal Citizen Lee

ANSWER: B

Question 2: Does the famous boxer own a Bitcoin ATM company?

- A. Vladimir Klitschko
- B. Vitali Klitschko
- C. David Haye
- D. Mike Tyson

ANSWER: D

Question 3: What is the LiteClient application?

- A. Give Allow interacting with the blockchain without downloading the whole blockchain
- B. A cryptocurrency
- C. Platform for dApp development
- D. One server

ANSWER: A

Question 4: Which of the following terms is used to describe when the blockchain is split?

- A. Fork
- B. Merger
- C. Sidechain
- D. Division

ANSWER: A

Q5: What are sidechains?

*a/ Any mechanism that allows tokens from one blockchain to be securely used within a completely separate Blockchain

b/ A parallel network running adjacent to the main blockchain network for additional security to protect a Blockchain Network

c/ Smart Contracts that have forked off the main Blockchain

d/ Another term for a hash function

Q6: Bitcoin uses UTXO, Ethereum uses:

*a/ Account Balance

b/ Double spend

c/ UTXO

d/ Ether

Q7: Once records are submitted on a blockchain, can they be altered?

*a/ No – they cannot be altered.

b/ Yes – but only within a certain time frame.

c/ Yes – the parties can go back in and alter them at any time.

d/ Yes – the owner of block can alter at any time

Q8. Asymmetric encryption uses:

*a/ Public and Private keys

b/ Public keys only

c/ Private keys only

d/ Proof of Stake

Q9: Each block in a blockchain contains the hash of the _____.

*a/ Previous block

b/ Next block

c/ Genesis block

d/ All are correct

Q10: What is a Dash Masternode?

*a/ A node that provides additional supervisory network services

b/ Two nodes sharing resources

c/ A single node that runs the whole network

d/ Master of all Dash nodes

Q11: Transactions per second (TPS) for Proof-of-Work Blockchain are approximate?

*a/ 7-15 per second

b/ 24K per second

c/ 175K per second

d/ 225K per second

Q12: How often does Bitcoin ledger reconcile?

*a/ Every 10 Minutes

b/ Every day

c/ Every 3 months

d/ Every 3 Minutes

Q13: What is cold storage?

*a/ A private key not connected to the Internet

b/ A place to hang your coat

c/ A private key connected to the Internet

d/ A desktop wallet

Q14: What is a private key?

*a/ A key NOT to be given to the public

b/ A key on your key chain

c/ A key given to the public

d/ A key that opens a secret door

d/ A high degree of accuracy

Q15: When did bitcoin's creator publish a whitepaper introducing the digital currency?

*a/ 2008

b/ 2007

c/ 2009

d/ 2010

Q16: Proof of Work also call

*a/Mining

b/ Proof of Stake

c/ Blockchain

d/ ChainCode

Q17: Who created Bitcoin?

*a/ Satoshi Nakamoto

b/ Samsung

c/ John McAfee

d/ Steven Job

Q18: Who invented Merkle Trees?

*a/ Ralph Merkle

b/ Ralph Wiggum

c/ Nick Szabo

d/ Vitalik Buterin

Q19: What are the different types of tokens?

*a/ All are correct.

b/ Platform

c/ Privacy

d/ Currency

A20: How often does Bitcoin ledger reconcile?

*a/ Every 10 Minutes

b/ Every day

c/ Every 3 months

d/ Every 3 Minutes

Good luck to you for mid-term Test ☺