

Exam 3 Due Dec 8

Due Dec 8, 2020 at 11:59pm**Points** 76**Questions** 19**Available** Nov 24, 2020 at 8pm - Dec 13, 2020 at 11pm 19 days**Time Limit** 60 Minutes

This quiz was locked Dec 13, 2020 at 11pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	11 minutes	76 out of 76

Score for this quiz: **76** out of 76

Submitted Dec 8, 2020 at 9:31pm

This attempt took 11 minutes.

Question 1

4 / 4 pts

The only hashing algorithm used in Bitcoin protocol is SHA-256.

☐ True☒ False**Correct!**

Question 2

4 / 4 pts

Transactions can be processed without fees, but trying to send free transactions can require waiting days or weeks for the transaction to be validated and added to the blockchain.

Correct!

☒ True

☐ False

Question 3

4 / 4 pts

Mining is the process of spending computing power to process transactions, secure the network, and keep everyone in the system synchronized together.

Correct!

☒ True

☐ False

Question 4

4 / 4 pts

Blockchain is an application of Bitcoin.

Correct!

☐ True

☒ False

Question 5**4 / 4 pts**

The consensus mechanism used in bitcoin can lead to inconsistencies in the network over a short period.

Correct!☒ True☐ False**Question 6****4 / 4 pts**

Any modifications done on the verified transactions of a blockchain can be easily detected.

Correct!☒ True☐ False**Question 7****4 / 4 pts**

Bitcoin transactions are completely anonymous.

☐ True

Correct!☒ False**Question 8****4 / 4 pts**

Bitcoins are very stable in value compared to the US dollar.

☐ True**Correct!**☒ False**Question 9****4 / 4 pts**

A miner in bitcoin is always expected to work on the validated chain that has the highest degree of difficulty.

Correct!☒ True☐ False**Question 10****4 / 4 pts**

Blockchain allows for rapid verification of items stored in the distributed ledger.

Correct!☒ True☐ False**Question 11****4 / 4 pts**

Blockchain is an interesting technology with several applications possible.

Correct!☒ True☐ False**Question 12****4 / 4 pts**

The originator of a set of transactions can pay back the excess of the unspent bitcoin back to himself/herself as change.

Correct!☒ True☐ False**Question 13****4 / 4 pts**

The number of bitcoins that can be mined are limited in number.

Correct!

☒ True

☐ False

Question 14

4 / 4 pts

Ethereum is an open source, globally decentralized computing infrastructure that executes programs called *smart contracts*.

Correct!

☒ True

☐ False

Question 15

4 / 4 pts

Ethereum uses a blockchain to synchronize and store the system's state changes, along with a cryptocurrency called *ether* to meter and constrain execution resource costs.

Correct!

☒ True

☐ False

Question 16**4 / 4 pts**

Unlike Ethereum, which has a very limited scripting language, Bitcoin is designed to be a general-purpose programmable blockchain that runs a *virtual machine* capable of executing code of arbitrary and unbounded complexity.

☐ True☒ False**Correct!****Question 17****4 / 4 pts**

Where Ethereum's Script language is, intentionally, constrained to simple true/false evaluation of spending conditions, Bitcoin's language is *Turing complete*, meaning that Bitcoin can straightforwardly function as a general-purpose computer.

☐ True☒ False**Correct!****Question 18****4 / 4 pts**

A DApp is composed of at least:

- Smart contracts on a blockchain
- A web frontend user interface

Correct!

☒ True

☐ False

Question 19

4 / 4 pts

DApps do not include other decentralized components, such as:

- A decentralized (P2P) storage protocol and platform
- A decentralized (P2P) messaging protocol and platform

☐ True

Correct!

☒ False

Quiz Score: **76** out of 76