

# THE CORE-BITCOIN DIPLOMA 2024

## CHAPTER 8 QUIZZES (COHORT 4)

\* Indicates required question

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1. Email \*

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2. Which of the following is an example of an off-chain transaction? \*

*Mark only one oval.*

- ☐ Sending a bitcoin on the main Bitcoin blockchain
- ☐ Receiving bitcoin from a mining pool
- ☐ Storing bitcoin in a hardware wallet
- ☐ Using the Lightning Network to send bitcoins

3. What is one major disadvantage of on-chain transactions? \*

*Mark only one oval.*

- ☐ They are less secure
- ☐ Sending bitcoins
- ☐ They are slower
- ☐ They are fast

4. **In the Lightning Network, who typically acts as an intermediary in a transaction?** \*

*Mark only one oval.*

- ☐ A government official
- ☐ A central bank
- ☐ A trusted third party
- ☐ A Bitcoin miner

5. **What is the purpose of a Lightning wallet?** \*

*Mark only one oval.*

- ☐ What is the purpose of a Lightning wallet?
- ☐ To mine bitcoins
- ☐ To store bitcoins on the Bitcoin blockchain
- ☐ To convert bitcoins to other cryptocurrencies

6. **Which type of wallet is recommended for better security and control over your funds?** \*

*Mark only one oval.*

- ☐ Custodial wallet
- ☐ Closed-source wallet
- ☐ Self-custodial wallet
- ☐ Exchange wallet

7. **What is the primary role of nodes in the Bitcoin network? \***

*Mark only one oval.*

- ☐ To create new bitcoins
- ☐ To maintain a copy of the Bitcoin ledger and validate transactions
- ☐ To determine the value of bitcoins
- ☐ To regulate the supply of bitcoins

8. **What does the term "pseudonymous" mean in the context of the Bitcoin ledger? \***

*Mark only one oval.*

- ☐ The ledger does not include personal details, only transaction and address information
- ☐ The ledger includes personal details of users
- ☐ Transactions are encrypted and hidden
- ☐ The ledger is accessible only to miners

9. **In Bitcoin, what does a digital signature provide? \***

*Mark only one oval.*

- ☐ Encryption of the transaction
- ☐ Anonymity of the sender
- ☐ Proof of authenticity and ownership of the transaction
- ☐ The amount of bitcoins sent

10. **What is the role of miners in the Bitcoin network?** \*

*Mark only one oval.*

- ☐ To regulate the supply of bitcoins
- ☐ To store the Bitcoin ledger
- ☐ To create new bitcoins
- ☐ To confirm transactions and add them to the ledger

11. **What does the term "immutable" mean in the context of Bitcoin transactions?** \*

*Mark only one oval.*

- ☐ Transactions cannot be changed once confirmed
- ☐ Transactions can be reversed if necessary
- ☐ Transactions are private
- ☐ Transactions are anonymous

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