

Blockchain - Write Up Assignment

1. Write your Name

2. Write the Blockchains name, which you are studying.

Answer the following questions if options are given, select the most appropriate one and justify it otherwise write a short note.

3. Governance model

- Open-source Community Mode
- Technical Mode
- Alliance (industry consortia) Mode

4. Access and Control Layer

- Public Blockchain
- Permissioned Public Blockchain
- Permissioned Private Blockchain

5. Network Topology

- Decentralized (a distributed P2P network, which enables direct transactions between every node within the network)
- Hierarchical (exists differences in the roles nodes have, also referred to as "Consortium blockchains")
- Centralized (a central authority may need (or wish) to control what is added to the ledger)

6. Consensus Mechanism

- Proof of Work
- Proof of Stake
- Proof of Authority
- Proof of Burn
- Hybrid (PoB + PoS / PoW)
- Proof of Capacity / Proof of Storage
- Byzantine Fault Tolerance (and variants)
- (OTHER)

7. Please elaborate the explanation about the consensus mechanism. Specify the name of the mechanism. If it is a variant of Proof-of-Stake, explain in your own words.

8. Cryptocurrency: Native Assets

- None (do not need native assets for their functioning)
- Only native cryptocurrency (Some platforms use their own assets as a reward and native medium of exchange and accounting)
- Convertible Multiple Assets (allow apart from their own cryptocurrency other assets to be created and exchanged)

9.Tokenization

- No Tokenisation present
- Tokenisation Through Third-Party Addons.
- Tokenisation

10. Asset Supply Management

- Limited - Deterministic
- Unlimited - Deterministic
- Pre-mined
- Flexible policy
- (OTHER)

11.Transaction Capabilities – Transaction Model

- UTXO – Unspent Transaction Output (each transaction includes the info about the previous transactions that are being spent)
- Account-based ledger (All account balances are book-kept, transaction validity is based only on the comparison with current balance)
- (OTHER)

12.Security & Privacy – Data Privacy (not to be confused with identity!)

- No data obfuscation (transactional data is stored openly)
- Built-in data privacy (Default obfuscation of information)
- Add-on data privacy (External solution to obfuscate the information, third parties systems)

13. Support for smart contracts, DAPPS, etc. (i.e., is it programmable?). If programmable, discuss the supported languages, capabilities, limitations, etc.

14.Give your assessment on the potential of the platform. (open question)