

## **Question Bank for Chapter 4, 5, 6**

1. State the key characteristics of public blockchain
2. Describe different blockchain layers.
3. Show various components of Ethereum public blockchain network and its significance
4. Show how PoW consensus algorithm works in Ethereum?
5. State any four types possible transactions on Ethereum.
6. What is EVM ?
7. What is gas and how total fees is calculated?
8. Differentiate between various types of Ethereum account
9. Show the workflow of Ethereum blockchain in detail
10. What are the different components of ethereum account?
11. Differentiate between Bitcoin and Ethereum
12. State the different types of test network used in Ethereum blockchain
13. Write a note on merkel patricia tree.
14. State the different Ethereum frameworks
- 15.** Show Ethereum block header and its significance in detail.
- 16.** Explain Ethereum architecture with neat diagram.
17. State key characteristics, and need of private blockchain.
18. Show the working of State Machine Replication
19. Show how pBFT consensus algorithm work?
20. Distinguish between Ethereum and bitcoin.
21. State any two tools and two Frameworks of Hyperledger
22. Compare between Hyperledger Fabric, Ethereum, and Bitcoin
23. Draw Hyperledger Fabric Architecture and show its working.
24. State various components of Hyperledger Fabric and illustrate in detail
25. Show the transaction Flow of Hyperledger Fabric.
26. State three common faults in distributed environment.
27. Explain PAXOS consensus algorithm
28. Explain RAFT consensus algorithm.
29. Write a note on Corda.
30. Write a note on Quorum.
31. Write a note on Ripple.