

* Blockchain *

Important

* Question Bank *

PAGE No.	
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* Answer the following questions :-

1. What is Blockchain? Explain Block in Blockchain.
2. Explain Merkle Tree.
3. What are the limitations in Blockchain?
4. What are the challenges in Blockchain?
5. Explain Cryptographic Hash Function in detail and features of Hash function.
6. What is Cryptocurrency and Explain types of cryptocurrency.
7. Explain Proof of Stake and Proof of Work.
8. Consensus Mechanism of POW, POS, PoB and PoE.
9. Difference between Public, Private, Consortium and Hybrid Blockchain.
10. What is Smart Contract? Explain with suitable example.
11. Write a Program on Voting, Registration & Donation.
12. Explain Components of Ethereum.
13. Explain Architecture and workflow of Ethereum.

14. Explain Ether Block structure.
15. Identify different types of testnet used in Ethereum.
16. Distinguish between Bitcoin, Ethereum & Hyperledger.
17. Explain PAXOS consensus Algorithm.
18. Explain RAFT consensus Algorithm.
19. Explain Hyperledger Fabric Architecture.
20. Write a short note on Hyperledger framework.
21. Write a short note on Hyperledger tools.
22. Explain PBFT.
23. Write a short note on CORDA.
24. Write a short note on Ripple.
25. Explain Quorum blockchain platform with advantages and disadvantages.
26. Distinguish between EOA and Contract Account.