

Time:

Max. Marks: 80

Note: (1) Question No. 1 is compulsory

(2) Attempt any three from remaining five questions

- Q.1 A** Explain Merkle Tree with suitable example **05**
B Write a short note on Peer to Peer System. **05**
C Explain Sybil attack briefly. **05**
D Describe the need of Proof of Burn. **05**
- Q.2 A** Explain Smart Contracts in detail. **10**
B Explain Ethereum Architecture briefly. **10**
- Q.3 A** Describe RAFT algorithm in detail. **10**
B Explain the need of Blockchain in Supply Chain management with Suitable example. **10**
- Q.4 A** Explain the Hyperledger Fabric features briefly. **10**
B Describe Digital Signature with suitable example. **10**
- Q.5 A** What do you Understand by Solidity Programming explain in detail. **10**
B Write a brief note on features of Gossip Protocol. **10**
- Q.6 A** Explain public key Cryptography in detail. **10**
B Explain Evolution of Blockchain **10**
