

Time: 3 hours

Marks: 80

Note: (1) Question No. 1 is compulsory

(2) Attempt any three from remaining five questions

- Q.1 A What do you understand by Blockchain ? explain in brief. 05
- B Explain the term cryptography with example. 05
- C Explain Sybil attack in detail. 05
- D Write a brief note on Objectives of consensus mechanisms. 05
- Q.2 A Explain the features of Ethereum in detail. 10
- B Describe Hyperledger fabric with its architecture. 10
- Q.3 A Explain the role of Blockchain technology in supply chain management sector. 10
- B Describe Paxos algorithm in detail. 10
- Q.4 A Explain Merkle tree in brief. 10
- B Explain Solidity with suitable example. 10
- Q.5 A What do you understand by 51% attack how to prevent it.? 10
- B Explain Proof of Work in detail. 10
- Q.6 A Differentiate Centralized and Decentralized systems. 10
- B Explain Digital signature with its uses in Blockchain technology. 10