

APRIL 2023

50444/SE46C

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define: "Digital Money".
2. State the advantage of Block chain.
3. Write a note on permissioned Block Chains.
4. What do you mean by PoW?
5. Define scalability.
6. Comment on Hyper ledger.
7. Mention the fabric SDK and front end.
8. What are the uses of block chain in FSS?
9. Define the term "KYC".
10. What is visibility?
11. List out the advantages of digital identity.
12. Show the purpose of public distribution system.

m Bsc cs ⇒ Block chain Technology

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Distinguish between the hash and signature in crypto.
14. Explain the purpose of Hash chain to Block chain.
15. What are the requirements for the Consensus protocols for permissioned block chains? Explain.
16. Summarize the implementation of permissioned block chain.
17. Elaborate the need of Hyper ledger composer tool.
18. List out the settlements in FSS.
19. What are the kinds of record keeping between government entities.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Illustrate the block chain architecture and design with diagram.
21. Discuss the design goals for consensus protocols.
22. Outline the components of Hyper ledger fabric.

23. Summarize on the implementation of trade and supply chain finance.
24. Explain the Privacy and Security on Block chain.