

APRIL 2024

50444/SE46C

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. State the purpose of distributed ledgers.
2. What is privacy in block chain?
3. What are the basic consensus mechanisms in block chain?
4. What do you mean by permissioned block chain?
5. Define : "PoW".
6. What is fabric SDK?
7. Mention the advantages of hyper ledger.
8. Write a note on chain code.
9. Show the settlements in block chain.
10. Comment on KYC.
11. List out the advantages of block chain cryptography.
12. What is the purpose of digital identity?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Enumerate the protocols used in block chain technology.
14. What are the permissions of block chain technology? Explain.
15. Write down the scalability aspects of block chain.
16. Summarize the chain code design and implementation.
17. Elaborate the need of fabric SDK and front end.
18. Point out the invoice management and discounting.
19. Describe the privacy and security on block chain.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Draw and explain the block chain architecture and design.
21. Discuss the consensus protocols for permissioned block chain.

22. Outline the implementation of hyper ledger fabric II.
23. Illustrate the block chain in trade supply chain.
24. Determine the land records and other kinds of record keeping between government entities.