

Seat No. **OCT-NOV 2025 WINTER EXAMINATION****1154 B.Tech. CBCS****Sub. Name: Blockchain Technologies****Sub. Code: 84728/84994****Day and Date: Thursday ,04-12-2025****Total Marks: 70****Time: 10:30 AM To 01:00 PM**

Instructions: 1. All questions are compulsory
 2. Assume suitable data wherever necessary and mention it boldly
 3. Figures to the right indicate full marks

- Q1)** Solve any 2 of the following (7 Marks Each) [14]
 a) Explain Block chain technology with its advantages and real time Examples.
 b) With neat diagram explain Hadoop Distributed File System
 c) With a neat diagram explain block chain Network in detail
- Q2)** Solve any 2 of the following (7 Marks Each) [14]
 a) What is Distributed Hash Table, explain in detail
 b) What are Mining Mechanisms available in block chain?
 c) Write a short note on :
 i. Anonymity
 ii. Reward
- Q3)** Solve any 2 of the following (7 Marks Each) [14]
 a) With a neat diagram explain Nakamoto consensus / proof of Work consensus in detail.
 b) How Proof of Stake consensus mechanism works in block chain.
 c) Explain history of crypto currency & Distributed Ledger in detail.
- Q4)** Solve any 2 of the following (7 Marks Each) [14]
 a) Analyze Proof of Work & Proof of Stake in detail with example
 b) Explain in brief history of block chain.
 c) What is Stakeholders? Analyze different Layers of Stakeholders.
- Q5)** Solve any 2 of the following (7 Marks Each) [14]
 a) Define different Legal Aspect of Crypto currency.
 b) What are the benefits of IOT and block chain convergence?
 c) Write a Short note with diagram: future of Blockchain.

End Of Question Paper**Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -**

This Question Paper may be distributed for following Subjects as common code.

सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

1] (101) Bachelor of Engineering (84994) Blockchain Technologies Part 4 SEM 8

2] (1154) B.Tech. CBCS (84728) Blockchain Technologies Part 4 SEM 8

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