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|  | | | | ACADEMIC YEAR:2025-26 | |
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|  | |  | **DATE: 11/10/2025** | |  |



1. Outline the process of Blockchain. 2.0 CO4 UNIT 2 IV
2. What is Meant by Decentralization in Blockchains? 2.0 CO4 UNIT 1 IV
3. Define Smart Contracts. 2.0 CO5 UNIT V 1
4. How does Ethereum Classic is differ from Ethereum 2.0 CO5 UNIT V 4
5. List essential Characteristics of Smart Contracts. 2.0 CO5 UNIT V 1



1. Explain the archictecture of Blockchain including the Structure of Block, Transaction, Verification.
2. Compare and Contrast Three Consensus Protocols used in Blockchain including (POW) , (POS), (DPoS).

8.0 CO4 UNIT 2

IV

8.0 CO4 UNIT 4

IV

1. Explore the Features of Array, enum and Struct in Solidity with Example. 8.0 CO5 UNIT V 2
2. What is Ethereum mining, And how does it Contribute to the Security and operations of Ethereum in Blockchain?

8.0 CO5 UNIT V 2

1. Explain the role of Ethereum Virtual Machine(EVM) in executing Smart Contracts. 8.0 CO5 UNIT V 2

Question Paper Level: 114/50=2.28 CO: Course Outcomes

 CO4: Understand Block chain’s fundamental components.

 CO5: Implement the Block chain Applications using Ethereum platform

BL: Blooms Taxonomy Level

6-Creating, 5-Evaluating, 4-Analyzing, 3-Applying, 2-Understanding, 1-Remembering, ML: Module

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