

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech III Year I Semester Regular & Supplementary Examinations February-2024
CRYPTO CURRENCY AND INTRODUCTION TO BLOCKCHAIN TECHNOLOGY
CSE (Internet of Things and Cyber security Including Block Chain Technology)

Time: 3 Hours**Max. Marks: 60**

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

- 1 What is Hash Function in cryptography? Write Features of Hashfunctions. CO1 L2 12M

OR

- 2 a Define Distributed Database. Explain its types. CO1 L1 6M
b Write short notes on Turing Complete. CO1 L3 6M

UNIT-II

- 3 a Distinguish between Bitcoin blockchain and Ethereum blockchain. CO2 L4 6M
b Describe the gas limit concept in detail. CO2 L6 6M

OR

- 4 a How does Blockchain differ from relational databases? CO2 L1 6M
b What type of records can be kept in the Blockchain? Is there any restriction on the same? CO2 L2 6M

UNIT-III

- 5 a How the Bitcoin network prevents sybil attack? CO3 L1 6M
b What are the ways to prevent sybil attack? CO3 L1 6M

OR

- 6 Explain Energy Utilization in detail. CO3 L2 12M

UNIT-IV

- 7 a Examine Bitcoin protocols in detail. CO4 L4 6M
b Write in detail about GHOST. CO4 L3 6M

OR

- 8 Compare the features of Bitcoin and Blockchain. CO4 L3 12M

UNIT-V

- 9 Explain Black Market and Global Economy in detail. CO5 L2 12M

OR

- 10 Explain Blockchain applications. CO5 L5 12M

