

O.P.Code: 16IT620

R16

H.T.No.

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR  
(AUTONOMOUS)

B.Tech IV Year II Semester Supplementary Examinations May/June-2024  
CRYPTO CURRENCY & BLOCKCHAIN TECHNOLOGY

(Computer Science & Information Technology)

Time: 3 Hours

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

Max. Marks: 60

**UNIT-I**

- 1 a What is Distributed Database? Explain its types. CO1 L1 6M  
b Write short notes on Turing Complete. CO1 L2 6M

OR

- 2 Difference between Centralized Database and Distributed Database. CO1 L3 12M

**UNIT-II**

- 3 What is Blockchain? Explain. CO2 L2 12M

OR

- 4 a What is the difference between Bitcoin blockchain and Ethereum blockchain? CO2 L3 6M  
b List the key features of blockchain. CO2 L2 6M

**UNIT-III**

- 5 What is the difference between Proof-of-work and Proof-of-stake? CO3 L3 12M

OR

- 6 a What is Consensus algorithm? CO3 L2 6M  
b What are the types of consensus algorithms? CO3 L2 6M

**UNIT-IV**

- 7 What is Cryptocurrency? Explain. CO4 L2 12M

OR

- 8 Explain the construction of Ethereum. CO4 L3 12M

**UNIT-V**

- 9 Write in detail about Cryptocurrency Regulation CO5 L4 12M

OR

- 10 Explain stake holders in cryptocurrency. CO5 L3 12M

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