

Reg. No:

--	--	--	--	--	--	--	--	--	--

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR
(AUTONOMOUS)

B. Tech IV Year II Semester Supplementary Examinations May-2022

CRYPTO CURRENCY & BLOCKCHAIN TECHNOLOGY

(Computer Science & Information Technology)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

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

OR

- | | | | | |
|---|--|---|----|-----|
| 2 | | Explain Applications of Hash Functions. | L2 | 12M |
|---|--|---|----|-----|

UNIT-II

- | | | | | |
|---|--|--|----|-----|
| 3 | | What are the different types of Blockchains? | L3 | 12M |
|---|--|--|----|-----|

OR

- | | | | | |
|---|---|---|----|----|
| 4 | a | What do you mean by blocks in the blockchain technology? | L3 | 6M |
| | b | What type of records can be kept in the Blockchain? Is there any restriction on the same? | L4 | 6M |

UNIT-III

- | | | | | |
|---|---|---|----|----|
| 5 | a | What is Consensus algorithm? | L6 | 6M |
| | b | What are the types of consensus algorithms? | L5 | 6M |

OR

- | | | | | |
|---|--|---------------------------------------|----|-----|
| 6 | | Explain Nakamoto consensus algorithm. | L6 | 12M |
|---|--|---------------------------------------|----|-----|

UNIT-IV

- | | | | | |
|---|---|--|----|----|
| 7 | a | What are the attacks in cryptocurrency? | L3 | 6M |
| | b | Write a short note on sidechain and name coin. | L4 | 6M |

OR

- | | | | | |
|---|---|--------------------------------------|----|----|
| 8 | a | What is a Bitcoin wallet? | L2 | 6M |
| | b | How can you choose a Bitcoin wallet? | L4 | 6M |

UNIT-V

- | | | | | |
|---|--|---|----|-----|
| 9 | | Write in detail about Cryptocurrency Regulation | L5 | 12M |
|---|--|---|----|-----|

OR

- | | | | | |
|----|--|------------------------------|----|-----|
| 10 | | Explain in detail about DNS. | L3 | 12M |
|----|--|------------------------------|----|-----|

*** END ***