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

B.Tech II Year I Semester Regular Examinations May-2022

COMPUTER NETWORKS

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 Compare OSI and TCP/IP Network models. L2 12M

OR

2 a What is multiplexing and demultiplexing? L1 6M

b Explain in detail about Fiber optic cable. L2 6M

UNIT-II

3 a Discuss about GO BACK N Protocol. L3 6M

b Discuss about Selective repeat Protocol. L3 6M

OR

4 Write about Pure ALOHA and slotted ALOHA protocols. L1 12M

UNIT-III

5 a Explain distance vector routing algorithm. L2 6M

b Briefly state what is count to infinity problem. L1 6M

OR

6 Explain IP V4 protocol in detail. L2 12M

UNIT-IV

7 Explain in detail about each field of TCP segment header. L2 12M

OR

8 Write in detail about User Datagram Protocol (UDP). L1 12M

UNIT-V

9 Explain in detail about function and structure of e-mail protocol. L2 12M

OR

10 Discuss in detail about world wide web. L2 12M

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