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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR
(AUTONOMOUS)

B.Tech III Year I Semester Supplementary Examinations Feb-2021

COMPUTER NETWORKS

(Computer Science & Information Technology)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Compare Connection oriented and connectionless services. 6M
b Briefly demonstrate about the public switched telephone networks 6M

OR

- 2 a Illustrate in detail about Physical Layer 6M
b Differentiate various types of networks topologies in computer network 6M

UNIT-II

- 3 Discuss about the Elementary data link protocols? 12M

OR

- 4 Compare and distinguish in detail the concept of Virtual-Circuit and Data gram Networks. 12M

UNIT-III

- 5 a Discuss about concept of leaky bucket algorithm. 6M
b Discuss about token bucket algorithm with neat diagram. 6M

OR

- 6 Write a detail note on Internet protocols. 12M

UNIT-IV

- 7 Show the different approaches in Packet Switching. Explain them in detail. 12M

OR

- 8 a Discuss TCP and its various operations. 6M
b Write short notes on User Datagram Protocol. 6M

UNIT-V

- 9 a Discuss the features of HTTP and also discuss how HTTP works. 6M
b Illustrate about Application layer and its services in detail? 6M

OR

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

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