

Reg. No: 

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

**B.Tech III Year II Semester Supplementary Examinations March-2021**

**COMPUTER NETWORKS**

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 60

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

**UNIT-I**

- 1 a Compare Connection oriented and connectionless service. 6M  
b Explain the design issues of layers. 6M

**OR**

- 2 a Explain about Twisted pair cable. 6M  
b Briefly explain about Coaxial cable. 6M

**UNIT-II**

- 3 Discuss bit-oriented HDLC Protocol with the elaborative explanation of its frames. 12M

**OR**

- 4 Explain about the Elementary data link protocols. 12M

**UNIT-III**

- 5 Explain about Static Routing algorithms. 12M

**OR**

- 6 Explain in detail about congestion control algorithms. 12M

**UNIT-IV**

- 7 Explain in detail about congestion control in TCP. 12M

**OR**

- 8 Explain about the elements of transport layer. 12M

**UNIT-V**

- 9 Discuss the features of HTTP and explain how HTTP works. 12M

**OR**

- 10 Discuss about File Transfer Protocol with neat diagram. 12M

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