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

B.Tech III Year I Semester Supplementary Examinations July-2022
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 Explain about the Guided transmission Medias in computer networks? **6M**
b Explain the functions, protocols and services of each layer? **6M**

OR

- 2 Explain the ISO-OSI model of computer network with a neat diagram. **12M**

UNIT-II

- 3 Explain the operation of the bit-oriented protocol HDLC with the required frames. **12M**

OR

- 4 a Explain about the data Link Layer switching. **6M**
b Describe sliding window protocol using Go back n. **6M**

UNIT-III

- 5 a Explain CSMA/CD protocol. **6M**
b Explain distance vector routing in detail. **6M**

OR

- 6 Classify the functions of Bridges & Switches. **12M**

UNIT-IV

- 7 a Discuss TCP and its various operations. **6M**
b Write short notes on User Datagram Protocol (UDP). **6M**

OR

- 8 Explain the operation of TCP with neat sketch. **12M**

UNIT-V

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

OR

- 10 a Write briefly about World wide web. **6M**
b Describe about High speed LANs. **6M**

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