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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**B.Tech III Year I Semester Regular & Supplementary Examinations Nov/Dec 2019**
COMPUTER NETWORKS
(CSIT)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 Explain the ISO-OSI model of computer network with a neat diagram. 12M
- OR**
- 2 a Explain about the Guided transmission Medias in computer networks? 6M
b Explain features of LAN, MAN, WAN. 6M

UNIT-II

- 3 Explain various error detection and correction Mechanisms used in computer network. 12M
- OR**
- 4 a Explain about the Elementary data link protocols. 6M
b Describe sliding window protocol using Go back n. 6M

UNIT-III

- 5 Explain in detail congestion control algorithms 12M
- OR**
- 6 a Explain about the Shortest Path Algorithm. 7M
b Explain packet switching in detail. 5M

UNIT-IV

- 7 a Write short notes on TCP connection management. 7M
b Explain how congestion can be avoided in TCP. 5M
- OR**
- 8 a Explain the duties of transport layer. 6M
b Write short notes on performance issues of transport layer 6M

UNIT-V

- 9 a Explain the working of Electronic mail. How SMTP used in Email applications 6M
b List and discuss the types of DNS records. 6M
- OR**
- 10 a Discuss File transfer Protocol (FTP) with a neat diagram. 6M
b Explain simple network management protocol. 6M

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