

CSU603 COMPUTER NETWORK

Teaching Scheme: 03 L+00T

Total - 03

Credits: 03 Evaluation Scheme: 15 CT1 + 15 CT2 +10 TA+ 60 ESE

Total Marks: 100 **Duration of ESE:** 2hrs.30min.

Overview of OSI reference model: Topology design, Media Access Control Level, Services, Problems and protocols,

Practical local area network design and implementation: IEEE LAN Standards, Logical Link Control protocols, HDLC, ALOHA, SLOTTED ALOHA, FDDI, Client Server model and related software's.

Network Layer: level services, problems and protocols. WAN, MAN, interconnection networks related software's. TCP/IP, Novel NetWare, Routers, Bridges and Gateways. X.25, Internet and related software's NETSCAPE and MOSAIC.

Transport layer: services, problems and their protocol. Brief functioning of upper layers, E-mail and other application

TextBook: 1. Computer Networking: A top down Approach Featuring the internet, Jim Kurose ,Keith Ross,2nd edition, Addison Wesley,July2002.

Reference Book : 1. Data and Computer Communication: William Stallings, PHI Publication ,6th edition, 2007. 2. Computer Networks : A.S. Tanenbaum, PHI Publication 4th edition,2002. 3.

<http://nptel.iitm.ac.in/video.php?subjectId=106105081> (Prof. SujoyGhosh)