

III B.Tech II Semester Supplementary Examinations, Apr/May 2006
COMPUTER NETWORKS
(Common to Computer Science & Engineering, Information Technology
and Electronics & Computer Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Justify the need for networking giving eight reasons. [8]
(b) Discuss the architecture of OSI reference model layers. [8]
2. Write short notes on [16]
(a) frame relay
(b) ATM networks
3. (a) Explain the operation of the protocol Go back n ? [8]
(b) Explain the operation of Token ring method. [8]
4. (a) Write the comparison of IEE 802.4 and IEE 802.5 Frame format. [8]
(b) Explain MAC sub layer functions. [8]
5. (a) Explain distance vector routing algorithm with an example. [10]
(b) Explain briefly how addressing is done in ATM networks? [6]
6. (a) Compare virtual circuit and datagram subnets. [5]
(b) Explain the concept CIDR. [5]
(c) Discuss about ATM LAN emulation. [6]
7. (a) What is the basic responsibility of transport layer? Explain the services provided by this layer to the upper layers. [8]
(b) Mention and define any four typical transport layer QOS parameters. [8]
8. (a) What is the use of DNS? Explain how it works? [8]
(b) Write short notes on Digital signature. [8]
