

T.E. (Information Technology) (Semester – II) Examination, 2010 COMPUTER NETWORK TECHNOLOGY (2003 Course)

Time: 3 Hours Max. Marks: 100

Instructions: 1) Answer 3 questions from Section – I and 3 questions from Section – II.

- 2) Neat diagrams must be drawn wherever necessary.
- 3) Assume suitable data, if necessary.

5. A) Explain any two real time protocols.

1.	A) Explain link state and distance vector routing with example.	8
	B) Explain the difference between interdomain and intradomain routing protocols with example. OR	8
2.	A) Explain NAT. Why it is needed? How does it operate?	8
	B) For a given class C network, how will you divide it in 8 equal subnets? Consider default subnet mask.	8
3.	A) Explain the flow control mechanism used in TCP.	8
	B) What is silly window syndrome? How to overcome it?	8
	OR ATA protected stately.	
4.	A) List and discuss the performance issues of transport layer.	8
	B) How will you differentiate a stream socket from datagram socket? How data	
	transmission happens in a datagram mode without acknowledgement?	8
5.	A) Why FTP requires two TCP ports? Give atleast six commands of FTP.	8
	B) Differentiate POP3 and IMAP.	5
	C) Compare and contrast RPC and UDP.	5
	OR	



6.	A) What is CGI? Where and how it is used?	8
	B) Just name any five resource records used in DNS with one line explanation.	5
	C) Write a short note on LDAP.	5
	mer Filours II – NOITOS instructions: I) Answer 3 questions from Section - 1 and 3 questions from	
7.	A) Explain the MIB along with its structure.	8
	B) Differentiate between SIP and H323.	8
	OR	
8.	A) Explain any two real time protocols.	8
	B) Give any two policing methods used in multimedia communications.	8
9.	A) Explain the role of SMI in SNMP. Give the data types supported by SMI.	8
	B) Explain stepwise the procedure carried out by DHCP client and DHCP server.	8
	OR	
10.	A) List and explain the principal components of network management architecture.	8
	B) List the five areas of network management and explain the necessity of each.	8
11.	A) Explain 802.11 architecture.	8
	B) Write a short notes on: 907 m been maintained am low control woll and all Alexanders.	10
	a) SMDS Solvence of the solven	
	b) ATM protocol stack.	
	A) List and discuss the performance issues of transpor AO er.	
12.		18
	a) Bluetooth appens in a datagram mode without acknowledge dtootsulB (a	
	b) Frame relay some steels six commander of the steels of the steel of	
	c) WLAN architecture. 9AMI but £909 and IMAR.	