

B.E. Computer Science & Engineering Seven Semester
CSE702 - TCP / IP and Internet

P. Pages : 1

Time : Three Hours



GUG/W/18/1748

Max. Marks : 80

- Notes :
1. All questions carry equal marks.
 2. Due credit will be given to neatness and adequate dimensions.
 3. Assume suitable data wherever necessary.

1. a) Discuss IP addressing with three main classes. 8
b) Write short note on: 8
 - i) ARP ii) TCP

OR
2. a) What is IP fragmentation? Explain fragmentation and reassembly process in detail. 8
b) Discuss DHCP. 8
3. a) Discuss the router functionality with help of diagram. 8
b) What is an autonomous System? Explain the types of internet routing protocols. 8

OR
4. a) Explain Routing information protocol. 8
b) What are the various Multicast routing protocols. 8
5. a) Explain TCP segment in detail. 8
b) What are the various services provided by TCP to applications? Explain. 8

OR
6. a) Explain adaptive retransmission technique. 8
b) Write note on: 8
 - i) TCP's three way handshake technique. ii) UDP.
7. a) Explain browser architecture. 8
b) Discuss the difference between stream paradigm and message paradigm. 8

OR
8. a) Explain Socket procedure calls of client and server for connection-less interaction. 8
b) Write note on: 8
 - i) SMTP ii) FTP
9. a) Discuss RTP with its packet format. 8
b) Explain IP telephony. 8

OR
10. Write note on **any four** 16
 - i) Internet radio ii) RTCP
 - iii) MGCP iv) H.323
 - v) SIP
