

BE - CSE 702 : TCP / IP and Internet

P. Pages : 1

Time : Three Hours



GUG/W/16/6543

Max. Marks : 80

- Notes :
1. All questions carry equal marks.
 2. Illustrate your answers wherever necessary with the help of neat sketches.
 3. Due credit will be given to neatness and adequate dimensions.
 4. Assume suitable data wherever necessary.

1. a) Draw the IPV4 header format and describe the function of each field. **8**
b) Explain TCP / IP reference model with neat diagram. **8**

OR

2. a) Explain different classes of IP addresses. **8**
b) Explain ICMP error messages in detail. **8**
3. a) Give the difference between dynamic versus static routing. **8**
b) Discuss Border Gateway Protocol. **8**

OR

4. a) Explain end to end datagram delivery. **8**
b) Discuss open shortest path first. **8**
5. a) Explain three way hand shake technique in detail. **8**
b) Explain the difference between the following. **8**
 - a) bind function and listen function
 - b) send to function and the write function.

OR

6. a) Discuss user datagram protocol. **8**
b) Discuss why TCP is said to provide reliable stream service. **8**
7. a) Give the characteristics of client software and server software. **8**
b) Explain simple mail transfer protocol. **8**

OR

8. a) Explain world wide web and give the architecture of web browser. **8**
b) Give the details of file transfer protocol. **8**
9. a) Explain RTP Packet format. **8**
b) Give the details of session initiation protocol. **8**

OR

10. Write notes on **any two**. **16**
 - a) H. 323
 - b) RTCP
 - c) Media Gateway Control Protocols.
