

B.E. Information Technology Eighth Semester
IT803 - TCP / IP

P. Pages : 2

Time : Three Hours



GUG/W/18/2050

Max. Marks : 80

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- 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) Explain TCP / IP protocol suite. 8
b) Explain IP fragmentation and reassembly technique. 8

OR

2. a) Define : 8
 - 1) IP Datagram.
 - 2) Maximum Transmission Unit.
 - 3) Physical Address.
 - 4) Logical Address.
b) Discuss DHCP in detail. 8
3. a) Give the details of static routing, dynamic routing. 8
b) Explain the RIP protocol. 8

OR

4. a) Discuss the structure of router in detail. 8
b) Explain MOSPF routing protocol. 8
5. a) Explain 3 way handshake technique to establish the TCP connection. 8
b) What is window advertisement? Explain the windowing technique for data transmission. 8

OR

6. a) Give features of IPV₆. 8
b) Discuss the fields of TCP segment format. 8

7. a) Explain FTP protocol in detail. 8
- b) What is web browser? Give the components of web browser along with their purpose. 8

OR

8. a) Discuss the process of sending an electronic mail via an SMTP session. 8
- b) Give the advantages and disadvantages of static, active and dynamic web pages. 8
9. a) Explain session initiation protocol session held among IP telephones. 8
- b) Discuss media gateway control protocols. 8

OR

10. Write short notes on : 16
- 1) Streaming Audio
 - 2) Internet Radio.
 - 3) H.323
 - 4) RTP
