

B.E. Computer Technology Eighth Semester
CT8031 - Elective-III : TCP / IP

P. Pages : 1

Time : Three Hours



GUG/W/18/2103

Max. Marks : 80

- Notes :
1. All questions carry equal marks.
 2. Assume suitable data wherever necessary.
 3. Illustrate your answers wherever necessary with the help of neat sketches.

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|-----------|-----|---|---|
| 1. | a) | Explain the TCP/IP Architecture in detail. | 8 |
| | b) | Write a note on DHCP? | 8 |
| OR | | | |
| 2. | a) | Explain ARP & RARP. | 8 |
| | b) | Explain ICMP. | 8 |
| 3. | a) | Explain Border Gateway protocol. | 8 |
| | b) | Write a note on 'OSPF'. | 8 |
| OR | | | |
| 4. | a) | Explain following Routing algorithm. | 8 |
| | i) | Link state. | 8 |
| | ii) | Distance vector. | 8 |
| | b) | Explain any two multicast routing protocol. | 8 |
| 5. | a) | Explain TCP layered architecture. Explain role of each layer in detail. | 8 |
| | b) | Write a note on 'Transitioning from IPv4 to IPv6. | 8 |
| OR | | | |
| 6. | a) | Differentiate UDP & TCP. | 8 |
| | b) | Explain SCTP in detail. | 8 |
| 7. | a) | Write a note on world wide web. | 8 |
| | b) | How electronic mail Transfer in application layer protocol. | 8 |
| OR | | | |
| 8. | a) | How naming takes place in Domain Name system. | 8 |
| | b) | Explain client server Paradigm. | 8 |
| 9. | a) | Write & Explain the RTP packet format. | 8 |
| | b) | Write a note on VoD (Video on Demand). | 8 |
| OR | | | |
| 10. | a) | How Audio compression takes place. | 8 |
| | b) | Explain Media Gateway Control Protocol. | 8 |
