

1. Please explain in detail the following terms: a) DNS, b) DHCP, c) SNMP, d) RFC. (10%)
2. What are the congestion prevention policies at the transport layer? (15%)
3. Describe three main types of switching fabrics in a router. (15%)
4. Explain the principles of pure ALOHA and slotted ALOHA protocols, and compare their performance. (20%)
5. Compare the characteristics of wired medium and wireless medium in data communications. (20%)
6. What is the Manchester scheme for line coding? Describe its advantages and disadvantages? (20%)