

Post midterm wireless network question bank/ assignment set

Unit 3

1. Dynamic host configuration protocol (DHCP)?
 2. Open loop and closed loop policies of the congestion control?
 3. Benefits and disadvantages of the M-TCP?
 4. Working of the traditional TCP?
 5. I-TCP isolate problems? Advantages and disadvantages of I-TCP?
 6. M-TCP?? advantages, disadvantages of the M-TCP? Differentiate between I-TCP and M-TCP.
 7. Difference between Time out freezing and selective retransmission?
 8. Importance of the congestion avoidance algorithm? Methods to manage the congestion in the network?
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Unit 4

1. Summarize 3G, 4G AND 5G?
 2. Classify 3G-SGSN and 3G-GGSN?
 3. HSDPA protocol?
 4. UMTS Core network Architecture?
 5. MTS QoS and its management?
 6. UTRAN architecture?
 7. Functions of the 3G-MSC.
 8. Transaction oriented TCP - TCP over 3G wireless networks?
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Unit 5

1. Cognitive radio?
2. Key features of the 4G?
3. Difference between MIMO and SISO?
4. Benefits of the Smart Antenna Technology?
5. OFDM-MIMO systems?
6. Usage of MIMO Transmitter and Rooftop Receiver?
7. Multicarrier Modulation?
8. Software Defined Radio?
9. BLAST architecture?
10. 3G vs 4G vs 5G IN TERMS OF USAGE AND ARCHITECTURE ; or different generation of wireless network like 3G, 4G AND 5G
11. LTE network architecture and protocol?
12. ADVANTAGES AND DISADVANTAGES OF 3G, 4G, 5G
13. Bluetooth and its architecture in detail.