CS575A/CS445E: Advanced LANs
Homework #3 – due Tuesday, April 4, 2006

Student’s Name: ____________________________________

Please write clearly. Ambiguity will be penalized. Use extra paper sheets. Good Luck!

1. (10 pts.) Name main applications and topologies for Fibre Channel.

2. (10 pts.) What are the main requirements for Fibre Channel? Name the Requests For Comments (RFCs) that introduced the Fibre Channel.

3. (15 pts.) Briefly describe all functional levels in the Fibre Channel Protocol architecture.

4. (15 pts.) Briefly describe medium characteristics of fibers and associated physical processes of light propagation through fibers.

5. (10 pts.) What are the main requirements for Wireless LANs? Name few Requests For Comments (RFCs) that specify Wireless LANs.

6. (10 pts.) Name IEEE Standards for Wireless LANs and specify the related services.

7. (15 pts.) Give a brief description of physical characteristics related to the main Wireless LAN technologies.

8. (15 pts.) What is Wi-Fi? How the security issue is resolved by Wi-Fi?