

**COE 444 - Internetwork Design and Management  
Fall 2004 (Term 041)**

**Homework 5**

Date: Thursday, November 25, 2004

**Q1.** Answer the following review questions from the “Cisco Internetwork Design” handout:

- Chapter 5 (1 → 4, 6)

**Q2.** Name and briefly describe the two general methods of implementing campus backbones.

**Q3.** State the definition of multihoming, and draw two options for multihoming the Internet connection using one Internet Service Provider (ISP).

**Q4.** State the definition of a demilitarized zone (DMZ) network, and draw pictures of two DMZ topologies.

**Q5.** Draw the Structured Cabling System (SCS) topology including the names of the 3 distribution points and the 3 cabling areas/subsystems.

**Q6.** Describe the role of a distribution point

**Q7.** List the main media options used, the maximum distance used, and the maximum patch cord distances allowed in each cabling area/subsystem. Why there is a limitation in these distances?