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CSC335-01

Winter 09

Homework 2 : 13, 15, 18, 19, 22, 23, 26, 27, 28, 30

13. The presence of connection, and the negation within the connection

15. Negotiation is the process where the two parties established an agreement of the terms of the communication. i.e. link speed, window/frame size, etc.

18a. Data link layer

18b. Network layer

19. Packets are encapsulated by frames, because as the packet is passed to the data link layer it becomes the data portion of the frame

22. The main difference is their connection orientation; TCP is connection-based; UDP is connectionless

26. ATMs use small, fixed length cells because of the ease of working with them solely with hardware.

27. ( 2 / 3 ) c = 200 meters/μsec. Considering 10Mbps, a bit transmits in 0.1 μsec and travels 20m.

28. The total size of the image is 2,359,296 bytes, 56K – 337.04 sec, 1Mbps -- 18.87 sec, 10Mbps -- 1.89 sec, 100Mbps -- 0.189 sec.

30. The major problems presented in wireless networking are security and consistency.