

CSc 450/550: Computer Networks (Summer 2006)

Self-test Questions 2

This list, by no means thorough, is compiled from “This lecture” on the lecture slides.

- UDP packet header
- IP packet header
- IP addresses (class-based, classless, longest-prefix match, subnet test)
- IP fragmentation and reassembly
- routing algorithms (link state, distance vector, hierarchical)
- routing protocols (RIP, OSPF, BGP)
- ICMP (ping, traceroute)
- network address translation
- framing control (byte/bit-oriented, byte/bit-stuffing)
- error control (parity check, Hamming code, CRC, IP checksum, acknowledgment)
- flow control (sliding window)
- PPP frame
- pure and slotted Aloha
- p-persistent CSMA, non-persistent CSMA and CSMA/CD (Ethernet)
- CSMA/CA (802.11) and RTS/CTS (hidden/exposed terminal problems)
- internetworking
- spanning tree algorithm