

Advanced Network Protocol Design

1. Describe differences between ICMP and ICMPv6.
2. Describe differences between Mobile IPv4 and Mobile IPv6.
3. Describe Autoconfiguration of IPv6 in detail.
4. Describe the hard handoff and soft handoff in detail.
5. Explain of components that compose Active Network.
6. Explain of capsule in ANTS as active networking toolkits.
7. Explain of Per-flow QoS and Aggregate QoS
8. Compare RSVP and ATM signaling
9. Describe the definition of a flow in IntServ.
10. Explain of the procedure of connection reservation in RSVP.
11. Explain of Random Early Detection (RED)
12. Explain of policing, shaping and marking in Traffic conditioning mechanisms.
13. Explain of Per Hop Behavior (PHB).
14. Explain of major components in MPLS.
15. Compare features of MPLS and GMPLS.
16. Describe the meaning of MIB.
17. Describe benefits of XML against HTML.
18. Why do we need to use XML Schema and DTD ?
19. Describe features of active and passive measurement.
20. What is Ubiquitous Computing ?