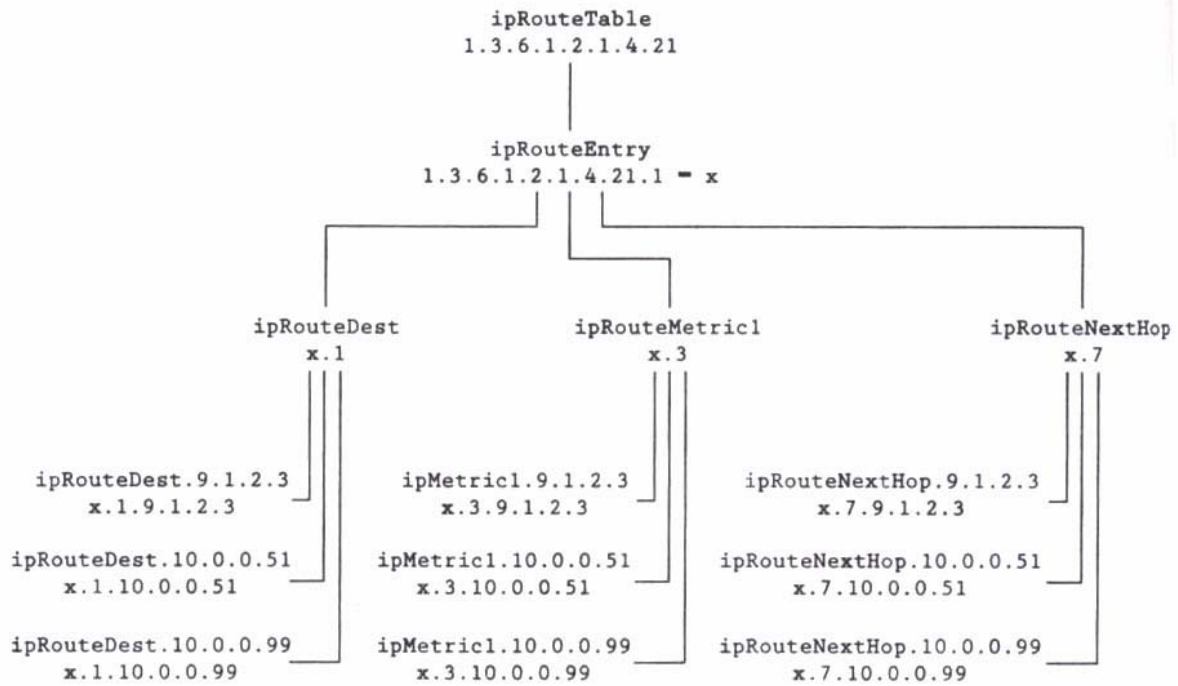


## Mid-term exam for Advanced Network Management

2002.11

<For Closed Book>

1. Describe the elements that affect response time in Client-server model?
2. Describe the meaning of MIB and SMI?
3. Draw and explain protocol stacks related to SNMP using relationship SNMP management station and SNMP agent.
4. Answer using following Figure and Table.



IpRouteDest	ipRouteMetric1	ipRouteNextHop
9.1.2.3	3	99.0.0.3
10.0.0.51	5	89.0.0.3
10.0.0.99	5	89.1.1.42

- 1) What response does Management station receive of GetNextRequest (ipRouteDest, ipRouteMetric1, ipRouteNextHop)?
  - 2) What response does Management station receive of GetNextRequest(ipRouteDest.10.0.0.99, ipRouteMetric1.10.0.0.99, ipRouteNextHop.10.0.0.99)?
  - 3) What is response of SetRequest (ipRouteMetric1.9.1.2.3 = 9)?
5. Describe roles of RMON and RMON probe and explain of differentiation with SNMP.

[Open Book Exam]

Choose non-computer-related devices (e.g., TV, VCR, Rice cooker, cassette player, CD player, MP3 player, oven, dish washer, washer, refrigerator, etc.) that you would like to manage using a management

system. Assume that the devices are connected to a network and can be managed by a remote manager. It means that the devices are managed by home networking system. Accordingly, you can define the managed objects (MOs) to be used by the manager system