Candidate Problems of Final-Exam for Future Internet Class

Fall 2008

1. Explain what Today's Hurdles in Routing & Addressing are.
2. Explain customers needs and relations to IPv6 with these needs.
3. Explain RIR policies.
4. How to separate edge prefixes from transit core?
5. **Explain Separation + Multipath Transport**
6. What is the basic idea of georouting?
7. What does mean by intermittent operation in wireless networks?
8. Classify vehicle's mobility
9. Why do we need to consider manageability in the Future Internet?
10. What are the functional requirements for network management?
11. What are the research topics in management for Future Internet?
12. What are the sensor network and Internet: similarities and Dissimilarities?
13. How is the general architecture of policy based management?
14. What is the difference between security and privacy?
15. Explain what the Future Mobile Network Scenarios
16. Explain the architecture of SHIM6 and its separation of ID and Locator
17. **What are key considerations mobility of Future Internet?**
18. Explain the mapping of security requirements between application and lower layers
19. **Change of Security Service Paradigm**
20. Explain the integrated dependability and security evaluation
21. Who make the Future Network standards?
22. What are the requirements of Future Services?
23. Explain an example of the procedure of service discovery and selection