- 1. Telco진영과 Internet진영의 싸움에서 승리한 측은 어디이며, 그 원인은? (Which side has been won in the battle between Telco and Internet? What is the winning reason?)
- 2. NGN을 위한 critical issue는 무엇인가? (What are the critical issues for NGN?)
- 3. List up the NGN Services according to the Tiers (layers) such as Core Services, Network Services Capabilities (1st , 2nd and 3rd Clustering)!
- 4. Define the Incremental design and the Clean-slate Design for Future Internet.
- 5. Describe the basic problems of the current Internet.
- 6. Describe the technical trend of information system towards Internet Singularity.
- 7. Describe the new design themes for designing sensor networks.
- 8. What are the software requirements for WSN?
- 9. Describe the typical applications for WSN?
- 10. Explain three generic features of ubiquitous computing.
- 11. Explain the roles of three participants in WSN.
- 12. Explain the *Interaction patterns* between sources and sinks classify application types.
- 13. Explain types of the Sensor deployment.
- 14. Describe the Characteristic and Requirements for WSNs.
- 15. Describe the Required Mechanisms to Meet Requirements
- 16. Describe the Enabling Technologies for WSN.
- 17. Explain the Zigbee Protocol Stack.
- 18. List up and explain main components of the wireless sensor network (WSN) node
- 19. List up the main factors and explain those what cause the energy problems in Requirements for energy-efficient MAC protocols
- 20. Explain principles of the Schedule-based and contention-based MAC Protocols
- 21. Explain the principle of ALOHA and Slotted ALOHA
- 22. Explain the hidden and exposed terminal problems
- 23. Explain Protocols of the S-MAC and B-MAC.
- 24. Explain the LEACH