- 1. Why do we need Future Internet?
- 2. What are the core technologies for Future Internet?
- 3. If you are an Internet designer, how can you accomplish Clean Slate approach and Evolutionary approach, respectively?
- 4. What are the Hourglass models of the current Internet and Future Internet?
- 5. Explain the cross-layer design protocols!
- 6. Explain the details of current access networks
- 7. Explain the directions towards the future access networks
- 8. Explain for IoT services and Cyber Physical System (CPS).
- 9. Describe the Internet-connected devices what you are interesting.
- 10. Why do we need DTN and explain the principles of it?
- 11. What is the TV White Space and why is it useful?
- 12. Describe use cases of TV White Space.
- 13. Explain 3 CR paradigms!
- 14. Explain in details of main functions of CR.
- 15. Explain roles of Layer 2, 3, and 4 in CR.
- 16. Explain the basic concept of OPEN Flow.
- 17. Describe the core components and their functions for SDN.
- 18. Explain the Standardization for SDN in ONF.
- 19. Explain the Standardization for SDN in IETF.
- 20. What is the Open Source Software (OSS) with GPL meaning?
- 21. Describe the use cases for SDN (you can look for those in the Internet)
- 22. Describe the OSS SDN Projects.
- 23. Explain the Open Routing Platforms based on OSS including their architecture.
- 24. Why do need to have GNU radio and what is it?
- 25. Explain the details of OpenWRT?
- 26. What is OpenStack and explain its architecture?
- 27. What is CloudStack and explain its architecture?
- 28. What is the difference between OpenStack and CloudStack? (you can easily see it in Google!)
- 29. What is the Open vSwitch?
- 30. How use Open vSwitch with SDN controller such as Nox Controller, Floodlight, etc?