- 1. Why do we need Future Internet?
- 2. What are the 4 core technologies for Future Internet?
- 3. What are the Clean Slate and Evolutionary Approaches?
- 4. If you are an Internet designer, how can you accomplish Clean Slate approach and Evolutionary approach, respectively?
- 5. Explain the basic concept of OPEN Flow (or ONOS).
- 6. Why do we make smart city?
- 7. What are the key technologies to establish Smart City? Pls explain in details!
- 8. What are key drivers for success of smart city?
- 9. What are pros and cons of smart city?
- 10. Explain an architecture for Smart City operation and management system.
- 11. What are KPIs for the smart city standardization?
- 12. Propose your own new idea for smart city services!
- 13. Explain the representative open source SWs of Infrastructure/Software/Services layers for networking.
- 14. What is OpenAirInterface?
- 15. Explain mobile core SW function blocks in 4G and 5G.
- 16. Explain the differences in capabilities and performances or structure between 4G and 5G.
- 17. What are the main philosophy of the Telecommunication Information Networking Architecture (TINA)?
- 18. Describe the Architecture for SDN.
- 19. Describe the Architecture for NFV
- 20. Explain the differences (or relationship) between the SDN and NFV.
- 21. Explain in supervised learning/unsupervised learning/reinforcement Learning.
- 22. Explain the training phase and testing phase in supervised learning.
- 23. Explain on neuron, synopsis, activation function, weight, input layer, output layer.
- 24. Explain the representative AI algorithms such as CNN, RNN, etc.
- 25. Express your thought on how to use AI for 5G.
- 26. What are the security measures?
- 27. Explain the security metrics.
- 28. Explain a lifecycle of security modelling and analysis.