

系所組別： 電信管理研究所乙組

考試科目： 電腦網路概論

考試日期：0220，節次：3

※ 考生請注意：本試題 可 不可 使用計算機

1. What are the influences of duplicate IP address on the network communications? Please describe how to diagnose and solve the duplicate IP address problem. (15%)
2. Please compare the two technologies: WiMAX and WiFi. (15%)
3. List three possible transition strategies to move from IPv4 to IPv6. Also explain their principles. (15%)
4. Please describe the definitions and functions of well-known, registered, and dynamic port numbers defined by the Internet Assigned Number Authority (IANA). Also list some well-know port numbers you know. (15%)
5. In wireless local area networks, what are the hidden-terminals and exposed-terminals problems? Please describe how to solve these problems. (20%)
6. In TCP, what are the sequence number and the acknowledgement number? Please describe the functions of sequence number and acknowledgement number in a TCP connection. (20%)