

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：0223，節次：3

※ 考生請注意：本試題不可使用計算機。 請於答案卷(卡)作答，於本試題紙上作答者，不予計分。

1. Why is the TCP/IP protocol suite more popular than ISO's OSI model? (10%)
2. Describe in detail the multiple access or contention methods used at the data-link layer in wired LANs. (15%)
3. Explain in detail how TCP can provide **reliable** communication, using the **unreliable** transmission provided by IP. (15%)
4. Describe the functions of "flow label" in IPv6 header. How does a router use the flow label? (20%)
5. Describe the functions of "window size" in TCP header. How do we use the window size in data transmissions? (20%)
6. For application layer, network layer, and data-link layer in TCP/IP protocol suite, what are the types of addresses used in each of these layers? Why do we need these types of addresses in data communications? (20%)