

編號: 425 系所: 電信管理研究所乙組

科目: 電腦網路概論

本試題是否可以使用計算機: 可使用, 不可使用 (請命題老師勾選)

1. What is network address translation (NAT)? How can NAT help in address shortage in IPv4? (20%)
2. What are the three types of Web documents? Please describe them in detail. (20%)
3. We want to transmit a video file with 100 Mbytes through a data communication channel. Assume 64-QAM modulation is adopted. If the baud rate of the transmission signal is 100kHz, please find the time required to transmit the video file. (20%)
4. What is jitter? How does jitter affect real-time audio/video? Describe any solutions to overcome the jitter problem. (20%)
5. Please describe (a) the Slow Start and (b) the Congestion Avoidance in detail that are adopted for TCP congestion control (20%)