2009 Paper 9 Question 7

Digital Communication II

(*a*) Discuss the trade-off in state and the trade-off in protocol headers that is exhibited by protocols for cell switching (e.g. ATM) and packet switching (e.g. IP).   [10 marks]

(*b*) What properties contribute to scaling in the use of hierarchy in allocation and treatment of identifiers such as the Internet's IP addresses and ATM's VCIs?   [10 marks]