

2002 Paper 8 Question 3

Digital Communication II

- (a) Describe the design and operation of a modern high-performance IP router, such as might be found in the Internet core. [12 marks]
- (b) Contrast the above design with that of a similar performance ATM switch. [4 marks]
- (c) Explain why building switches and routers that are able to keep up with transmission link rates is becoming increasingly difficult. [4 marks]