

## 2000 Paper 12 Question 3

### Digital Communication I

What is meant by the term *flow control*? [3 marks]

What is meant by the term *credit-based* flow control? [4 marks]

What is meant by *start-stop* (or XON–XOFF) flow control? [4 marks]

A start–stop system is used on a 10 kbps link with a constant delay of 5 ms. How much buffer must a receiver keep in reserve for “stopping time” in order to prevent information loss? [3 marks]

Which system is more appropriate to use across the Internet and why? [6 marks]