2006 Paper 6 Question 3

Digital Communication I

(*a*) Describe and contrast the processes of (*i*) forward error correction and (*ii*) error detection with retransmission. [5 marks]

(*b*) What properties should be considered when deciding which should be used to control errors? [10 marks]

(*c*) Are there circumstances when both should be used? Justify your answer. [5 marks]