1994 Paper 7 Question 2

Additional Topics I and II

Define a Hamming Code and show how it can correct a single error.   [3+3 marks]

Show how, by using an extra parity bit, it can detect a double error.   [3 marks]

Give an example of a convolutional code.   [5 marks]

Given a BCH code (1023, 983), which errors can it correct?   [2 marks]

Give an example where a run length code is better than a Huffman Code.
     [4 marks]