

1995 Paper 13 Question 3

Digital Communication I

What is the purpose of a signalling system in a digital telephone network? Describe the operations that the signalling system should perform. [6 marks]

Describe a possible implementation of a signalling system, including a discussion of how signalling information might be carried over the network. [8 marks]

What are the advantages/disadvantages of having a separate network for signalling traffic? [3 marks]

To what extent is a signalling system different from a general-purpose distributed computation? [3 marks]