

1997 Paper 9 Question 2

Digital Communication II

To what extent can a remote procedure call (RPC) be made to look like a local procedure call? [5 marks]

Consider an RPC system running over an unreliable transport service. What are the communication errors that can arise and how can they be handled? [5 marks]

What other system failures can arise and how can they be handled? [5 marks]

Describe the steps a programmer uses to take a local procedure call and turn it into a remote procedure call, using appropriate tools. [5 marks]