

2008 Paper 9 Question 3

Digital Communication II

- (a) In the context of Quality of Service (QoS) in networking, what do we mean by *elastic* and *inelastic* applications? [2 marks]
- (b) Give *two* examples of each type of application and discuss the application attributes and QoS requirements. [8 marks]
- (c) Discuss the problems faced by traditional Internet routers in dealing with inelastic traffic. [6 marks]
- (d) How do the IntServ and DiffServ architectures differ in offering QoS, and how might they be employed together to provide an end-to-end QoS? [4 marks]