Digital Communication I

(a) Describe on–off flow control. In what circumstances is it appropriate? [4 marks]

(b) Describe the operation of window-based flow control. [4 marks]

(c) What happens if window-based flow control is used on a flow passing through a highly loaded resource (e.g. router) that is not participating in the flow control protocol? [4 marks]

(d) How is this addressed in the Internet? [4 marks]

(e) What are the advantages and disadvantages of having Internet routers participate in window-based flow control of every TCP connection? [4 marks]