6 Computer Networking (AWM)

(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 a flow using window-based flow control passes through a highly-loaded switch or router? You may assume the switch or router does not participate in the flow control protocol. [4 marks]

(d) How is this addressed in the TCP protocol? [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]