

2006 Paper 12 Question 3

Digital Communication I

- (a) Describe the concepts of *circuit switching* and *packet switching*. [5 marks]
- (b) What are the fundamental advantages of each over the other? [5 marks]
- (c) What is the role of buffering and buffering policy in each approach? [5 marks]
- (d) There is an expectation that in the near future telephony will move from circuit switching to packet switching. Why is this so in light of the advantages of each approach? [5 marks]