Digital Communication I

(a) Define the term *multiplexing* as applied to communication systems. [4 marks]

(b) Describe *three* types of multiplexing, identifying in each case

(i) mechanisms by which symbols are associated with particular channels;

(ii) mechanisms by which transmitters are assigned channel resource;

(iii) characteristics of the multiplexed channels;

(iv) applications which are suited to the type of multiplexing. [16 marks]