

2007 Paper 12 Question 3

Digital Communication I

Using *four* examples, explain how multiple higher-layer channels can be multiplexed onto a lower-layer channel. In each example consider

- (i) how the individual higher-layer channels can be recognised;
- (ii) what the mechanism is for allocation of lower-layer channel resources to the higher-layer channels; and
- (iii) the characteristics of the higher-layer channels.

[4 × 5 marks]