

COMPUTER SCIENCE TRIPOS Part IB – 2025 – Paper 5

3 Computer Networking (awm22)

- (a) Explain hierarchical and flat addressing schemes, including a comparison of each scheme in terms of table size and address space efficiency. [6 marks]
- (b) Analyze how the following choices affect route selection:
 - (i) Choice of algorithm: Link state versus distance vector approaches [8 marks]
 - (ii) Operational choice: Link cost metrics [6 marks]