

## 2003 Paper 9 Question 4

### Distributed Systems

- (a) Discuss alternative approaches to creating unique names for objects in large-scale distributed systems or applications. [3 marks]
- (b) Discuss the support for naming and name resolution in the following:
- (i) the Internet; [5 marks]
  - (ii) object-oriented middleware; [5 marks]
  - (iii) message-oriented middleware; [5 marks]
  - (iv) web-based systems. [2 marks]