(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]