1997 Paper 1 Question 12

Operating Systems

What information would you expect a filing system to keep on a file? Discuss where this information might be held. [4 marks]

Criticise *each* of the following methods of recording the disc blocks allocated to a file. In each case, indicate the suitability of the method for new media types such as voice and video.

(*a*) chaining in the media

(*b*) detached chain

(*c*) table of pointers

(*d*) extents

[16 marks]