1997 Paper 4 Question 7

Operating System Functions

In the management of virtual memory, what is *thrashing*, and how does it occur?

[5 marks]

What is the *working set* of a process, and how can it be computed?   [5 marks]

List *five* techniques that can be used in an operating system to improve the performance of demand paged virtual memory.   [5 marks]

What is a *capability*, and how can it be used for access control in a computer system?   [5 marks]