

Module 3 (Lectures 11-15) Introduction to Operating Systems and Virtual Memory

1. Which of the following is an example of an operating system?
 - a) MIPS 1
 - b) Intel x86
 - c) MS Word
 - d) Windows XP
2. Which of the following is a likely operating system page size
 - a) 8 Bytes
 - b) 128 Bytes
 - c) 4 KBytes
 - d) 17 KBytes
3. A page fault is said to occur if the processor generates
 - a) an illegal virtual address
 - b) a virtual address whose page table entry does not contain an associated physical page
 - c) a virtual address whose page table entry is not present in the translation lookaside buffer
 - d) a virtual address without a page table entry
4. On an operating system which uses a page size of 16 KBytes, the number of virtual address bits used as page displacement are
 - a) 12
 - b) 14
 - c) 16
 - d) 18
5. You have written a program which displays excellent locality of reference. Which of the following page replacement policies would suit your program best?
 - a) Most frequently used
 - b) Least frequently used
 - c) Most recently used
 - d) Least recently used