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