5.Which environment considers memory, process, and device and file management from a global viewpoint?

|  |  |  |
| --- | --- | --- |
|  | A. | Distributed Operating System |
|  | B. | Network Operating System |
|  | C. | Multiprogramming Operating System |
|  | D. | None of the above |

16.Which is set in program state word (PSW) to avoid the user program executing special instructions

|  |  |  |
| --- | --- | --- |
|  | A. | condition bit |
|  | B. | protection bit |
|  | C. | CPU state bit |
|  | D. | mask bit |

2、In virtual paging memory management, which of the following is true?  
答案the length of page is fixed, and it is in accordance with the hardware feature页表大小固定且与硬件匹配

3、Which is the basic reason for invovling work set model?(应该是involving)  
答案locality principle of program execution程序执行的局部性原理

8、The basic function of the file system is accessing files by names. The function can be realized by .  
答案directory-managing

9、The essence of creating a file in file system is  
答案creating the file control block创建文件的本质是创建文件控制块

10、FCB contains many pieces of information associated with a specific process, except \_.  
答案file name (包含文件权限、拥有者、大小、数据块位置等)

11、In order to increase the speed of searching directory, the file system need to build for searching file based on relative path.  
答案current directory

12、An allocation method refers to how disk blocks are allocated for files, which of the following is not a disk allocation method:  
答案free allocation 磁盘分配包括连续分配、链式分配、索引分配。

20、Which of the following methods is used to increase the number of processes sharing the CPU？  
答案Swapping交换可以让更多的进程共享CPU

24、In fixed partition management, the sizes of each partition  
答案may be different as previously arranged

26、In memory management, the operation that translates logical addresses in object program to physical addresses in main memory is called  
答案address relocation地址重定位将逻辑地址转为物理地址

27、Which structure of the followings can not be affected by the file length?  
答案sequential structure顺序结构

28、The function of the system call "file open" is  
答案bring information such as file attributes into memory

29、Sequential access can be only applied to  
答案linked file

30、Which is wrong about current directory?  
答案seach file based on full path应该使用相对路径

31、A static partitioned memory management system has a total of six partitions. If one is allocated to the operating system, this will allow a total of  
答案five user jobs有六个分区1个给OS，剩下5个给用户作业

32、In variable partition management, free frames are better to be organized in which order for best-fit allocation?  
答案ascending capacity

36、Which of the following information bits used by the various page replacement policies indicates if the page has been called lately?  
答案Referenced bit参考位表示页最近被调用过

37、Sequential access can be only applie1d to  
答案linked file顺序访问只能应用于链接文件

39、In virtual memory, which one is used to decide if it is necessary to save the page back to external storage?  
答案modified bit

41、The FCB is created in which system call?  
答案create文件控制块由系统调用create创建

42、Which of the following free-space management strategies is not supported by an operating system?  
答案Hash空闲空间管理策略里哈希不受操作系统支持

55、Which one of the followings is true about resource allocation graph?  
答案resource allocation graph is a directed graph, which is used to present the state between system resources and processes at some time资源分配图是有向图，用于在某些时间呈现系统资源和进程之间的状态

59、Process cooperation in a Readers-and-Writers problem requires that the  
答案Readers always call two procedures读写者问题中处理合作需要读者总是调用两个程序

61、Which of the following statements is not true regarding a monitor where no condition variable is defined?  
答案Processes can be blocked inside the monitor.没有定义条件变量不会被阻塞

62、The wait operation defined on semaphores means  
答案allocate a resource信号量上的等待操作表示分配资源

71、Ordered resource allocation can achieve which of the following objective?  
答案deadlock prevention有序资源分配可以实现死锁预防

72、There are many algorithms that are able to apply to schedule processes. If we choose an algorithm not such proper, what problem would happen?  
答案long-term waiting

73、For N processes associated to the same critical section, the initial value of mutex semaphore should be set to  
答案1互斥信号量初始应该为1

87、Which is wrong about contiguous allocation?

A.

variable partition management needs hardware support for dynamic relocation, i.e. upper limit register and lower limit register

B.

fixed partition management adopts static relocation for putting the job into partition

C.

single partition management is the most simple way to manage memory

D.

multiple partition management can be devided into fixed partition management and variable partition management

答案A