

1. An operating system that supports ____ allows multiple programs to execute concurrently.
 - a. Multitasking
 - b. Multithreading
 - c. virtual memory management
 - d. page tables

2. The hardware resources consumed by the resource allocation functions of the kernel are sometimes referred to as ____.
 - a. real resources
 - b. system overhead
 - c. virtual resources
 - d. supervisor resources

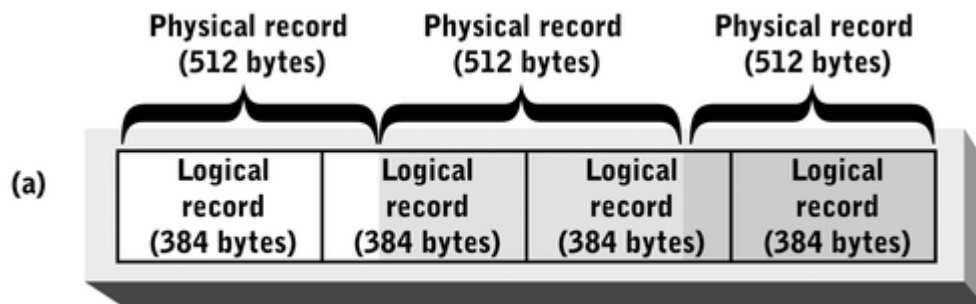
3. Information about a single process' execution state (e.g., register values, status, etc.) is held in a(n) ____ for use by the scheduler.
 - a. run queue
 - b. process control block
 - c. page table
 - d. scheduler

4. Process control blocks are normally organized into a linked list called the ____.
 - a. scheduler
 - b. process queue
 - c. sibling process
 - d. page tables

5. A thread in the ____ state requires only access to the CPU to continue execution.

- a. blocked
 - b. running
 - c. Ready
 - d. Virtual
6. Under ____ memory allocation, all portions of a process must be loaded into sequential physical memory locations.
- a. partitioned memory
 - b. Non-contiguous
 - c. contiguous
 - d. Paged
7. The process of converting an address operand into a physical address within a memory partition or page frame is called ____.
- a. multitasking
 - b. address mapping
 - c. real-time scheduling
 - d. preemptive scheduling
8. A significant problem with contiguous memory allocation using fixed size memory partitions is ____.
- a. wasted memory
 - b. compaction
 - c. system overhead
 - d. page fault
9. Under virtual memory management, pages not held in primary storage are held in the ____ of a secondary storage device.
- a. swap space
 - b. page table
 - c. page frame
 - d. run queue
10. ____ management divides a program into partitions called pages.
- a. Partitioned memory
 - b. Relocatable memory
 - c. Virtual memory
 - d. Multithreaded memory

11. A group of processes descended from a common ancestor, including the common ancestor itself, is called a(n) ____.
- spawn
 - process group
 - process family
 - parent process
12. The command layer of the operating system is sometimes called the ____.
- shell
 - kernel
 - pipe
 - scheduler
13. The storage allocation table records the assignment of ____ to specific files.
- logical records
 - file control blocks
 - disk blocks
 - allocation units



14. What blocking factor is depicted in the figure?
- 4:3
 - 384:512
 - 2:3
 - 5:3

15. A(n) ____ operation allocates buffers for file I/O and creates a file control block to record information about an active file.
- file open
 - incremental backup
 - sequential file access
 - transaction logging
16. Under ____, changes to files are written to a log file as they are made.
- transaction logging
 - incremental backup
 - full backup
 - file migration

Fields						
99635	Smith	George	R	1414 Oak Road	Los Angeles	...
04667	Jones	Alice	L	12 Main Street	Buffalo	...
52046	Torres	Maria	H	9823 7 th Avenue	Chicago	...
34421	Miller	Fritz	S	451 Quincy Road	Atlanta	...
63752	Chang	Wendy	B	310 G Street	Fort Worth	...

17. Each row of data in the figure is a(n) ____.
- data stripe
 - transaction
 - journal
 - record

18. In most file management or operating systems, a file's type determines ____.
- a. data encoding method
 - b. data access method
 - c. restrictions on its name
 - d. physical storage allocation
19. Consider a 80-GB disk. If unit size is set to 512 bytes, how many allocation units are in the device?
- a. 150,715,200
 - b. 156,772,160
 - c. 167,772,160
 - d. 209,715,200
20. Which of the following file management system layers correspond to the kernel layer of the operating system?
- a. Command
 - b. Storage device
 - c. Storage I/O control
 - d. Storage device