02 OSC - LAB EXAM - Student Particulars

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* Required

OSC Practice MCQ - 17-04-22

Memory *

○ is a device that performs a sequence of operations specified by instructions in memory.

○ is the device where information is stored

○ is a sequence of instructions

○ is typically characterized by interactive processing and time-slicing of the CPU's time to allow quick response to each user.

Interprocess communication *

○ is required for all processes

○ is usually done via disk drives

○ is never necessary,

○ allows processes to synchronize activity

Which of the following are loaded into main memory when the computer is booted? *

○ internal command instructions

○ external command instructions

○ utility programs

○ word processing instructions

To avoid the race condition, the number of processes that may be simultaneously inside their critical section is *

○ 8

○ 1

○ 16

○ 0

Bug means *

○ A logical error in a program

○ difficult syntax error in a program

○ Documenting programs using an efficient documentation tool

○ All of the above

Process is *

○ program in High level language kept on disk

○ contents of main memory

○ a program in execution

○ a job in secondary memory

Fork is *

○ the dispatching of a task

○ the creation of a new job

○ the creation of a new process

○ increasing the priority of a task

Page stealing *

○ is a sign of an efficient system

○ is taking page frames from other working sets

○ should be the tuning goal

○ is taking larger disk spaces for pages paged out

What is the name given to the organized collection of software that controls the overall operation of a computer? *

◯ Working system

◯ Peripheral system

◯ Operating system

◯ Controlling system

Which of the following statements is false? *

◯ the technique of storage compaction involves moving all occupied areas of storage to one end or other of main storage

◯ compaction does not involve relocation of programs

◯ compaction is also known as garbage collection

◯ the system must stop everything while it performs the compaction

The memory allocation scheme subject to "external" fragmentation is *

◯ segmentation

◯ swapping

◯ pure demand paging

◯ multiple contiguous fixed partitions

The FIFO algorithm *

○ executes first the job that last entered the queue

○ executes first the job that first entered the queue

○ execute first the job that has been in the queue the longest

○ executes first the job with the least processor needs

Fragmentation of the file system *

○ occurs only if the file system is used improperly

○ can always be prevented

○ can be temporarily removed by compaction

○ is a characteristic of all file systems

The LRU algorithm *

○ pages out pages that have been used recently

○ pages out pages that have not been used recently

○ pages out pages that have been least used recently

○ pages out the first page in a given area

Which of the following refers to the associative memory? *

○ A. the address of the data is generated by the CPU

○ B. the address of the data is supplied by the users

○ C. there is no need for an address i.e. the data is used as an address

○ D. the data are accessed sequentially

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