CS604 Midterm Paper 2016 SOLVED

18-December 2016

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18-December 2016

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Today my paper of CS604 at 04.30PM 18-Dec-16

-------- command gives a snapshot of the current processes.
► **ps   pg # 66**

► top
► who
► ls

Question No: 6 (M a r k s: 1) http://vuzs.net
--------------command to resume the execution of a suspended job in the foreground
► **fg   pg# 68**

► bg
► jobs
► kill

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_____ scheduler selects the process from the job pool and put them in main memory.
► **Long term   pg # 36**
► Short term
► Medium term
► Swapper

Taking the CPU from one process and giving the CPU to another process is termed as
Context Switching P/31
Dispatching
Swapping
Tracking

Command-line interpreter is also called _____ in some operating systems.
a) Kernel
b) Shell P/13
c) Signal
d) API

The time it takes for the dispatcher to stop one process and start another running is known as the-
----------.

Dispatch latency
Scheduling
Context switching
None of the given options

The scheduling of _____ are done by the operating system.
Select correct option:
Kernel threads P/70
User level threads
Both Kernel and User Level thread
None of the give option

Real time Systems that control scientific experiments, medical imaging systems, industrial control systems and certain display systems.

-------------has a hierarchical file system structure.

☐ DOS

☐ Windows

☐ **UNIX (Page# 22)**

☐ None of the given options

The _____ are used for communication between related or unrelated processes on the same system or unrelated processes on different systems.

☐ Pipes

☐ **BSD Sockets (Page# 50)**

☐ Named pipe (FIFO)
☐ None of the given options

The time it takes for the dispatcher to stop one process and start another running is known as the-----------.

☐ **Dispatch latency (Page# 80)**

☐ Scheduling

☐ Context switching

☐ None of the given options

The basic purpose of _____is to help the users to utilize the hardware resources for completing different tasks in a simplified manner

☐ **Operating system (Page# 1)**

☐ Application software

☐ All Software

☐ All of the given

OS helps manages the following except

☐ Application software

☐ **Bus speed of the system Click here for detail**

☐ Memory

☐ Virtual memory

Command-line interpreter is also called _____ in some operating systems.

☐ Kernel

☐ **Shell (Page# 13)**

☐ Signal

☐ API

A solution to the critical section problem must satisfy the following requirements

►Progress

►Mutual exclusion

►Bounded Waiting

►**All of these (Page 101)**

The critical section problem can be solved by the following except

► Software based solution

► **Firmware based solution (Page 101)**

► Operating system based solution

► Hardware based solution

The basic purpose of _____is to help the users to utilize the hardware resources for completing different tasks in a simplified manner

►**Operating system (Page 6)**

►Application software

►All Software

►All of the given

OS helps manages the following except

►Application software

►**Bus speed of the system**

►Memory

►Virtual memory

The process of holding at least one resource and waiting to acquire additional resources that are currently being held by other processes is known as_____.

☐ ►Mutual exclusion

►**Hold and wait (Page 131)**

☐ ►No preemption

☐ ►Circular wait

Subjective Question

Critical section has hardware based or software based solution. You have to write the structure of the software base solution for critical section problem?

if processor is run in the background we want to move in foreground write the LINIX/UNIX command for this process?(3 M)

Please remember me in your prayer