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Question 17

Answer saved

Marked out of 2

Flag question

CPU scheduling is the basis of.....

Select one:

- ☐ a. mini sized memory operating systems
- ☒ b. multi-programming operating systems
- ☐ c. Large memory sized systems
- ☐ d. multiprocessors operating systems

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**Question 10**

Answer saved

Marked out of 2

Flag question

Semaphore is an example of _____ to solve the critical section problem.

Select one:

- ☒ a. integer variable
- ☐ b. software program
- ☐ c. a specific value
- ☐ d. hardware component

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Question 3

Answer saved

Marked out of 2

Flag question

When the quantum expires, the process transitions from

Select one:

- ☐ a. running to blocked
- ☐ b. ready to running
- ☐ c. blocked to ready
- ☒ d. running to ready

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Question 14

Answer saved

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Flag question

One of the following is an example of interrupts that may be initiated by some event that may or may not be res

Select one:

- ☒ a. a key is pressed
- ☐ b. dividing by zero
- ☐ c. referencing protected memory

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Question 18

Answer saved

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Flag question

which of the following cases non-preemptive occurs

Select one:

- ☐ a. when process switches from ready state to running state
- ☐ b. when process switches from the waiting state to running state
- ☐ c. when a process switches from running state to ready state
- ☒ d. when process switches from running state to waiting state

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**Question 6**

Answer saved

Marked out of 2

Flag question

One of the following structures uses modular approach

Select one:

- ☐ a. microkernel
- ☐ b. Monolithic
- ☒ c. Modular
- ☐ d. layer

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Question 3

Answer saved

Marked out of 2

Flag question

When the quantum expires, the process transitions from

Select one:

- ☐ a. running to blocked
- ☐ b. ready to running
- ☐ c. blocked to ready
- ☒ d. running to ready

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Question 11

Answer saved

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Flag question

SRTF is a

Select one:

- ☒ a. SJF preemptive
- ☐ b. FSFC
- ☐ c. SJF Non preemptive
- ☐ d. FCFS

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Question 21

Answer saved

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Flag question

It's a popular implementation of a Message Passing, in which there is a region of memory protected by the OS exchange data.

Select one:

- ☐ a. Forwards
- ☐ b. Catch
- ☒ c. a pipe
- ☐ d. Mask

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Question 23

Answer saved

Marked out of 2

Flag question

Dalvik virtual machine is used in

Select one:

- ☐ a. Solaris
- ☐ b. Windows
- ☐ c. iOS
- ☒ d. Android

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Question 8

Answer saved

Marked out of 2

Flag question

In the Layered Architecture operating systems, Each layer communicates any other layer in the

Select one:

☐ True

☒ False

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Question 20

Answer saved

Marked out of 2

Flag question

One of the following is not from the PCB contents

Select one:

- ☐ a. Pointers to locate the process's data and instructions in memory
- ☒ b. Address of the next process to be executed
- ☐ c. A pointer to the process's parent process
- ☐ d. Pointers to the process's child processes

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Question 12

Answer saved

Marked out of 2

Flag question

One of the following is not from typical operating system components

Select one:

- ☐ a. Network manager
- ☒ b. Interprocess communication (IPC) manager
- ☐ c. File system manager
- ☐ d. I/O manager

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Question 7

Answer saved

Marked out of 2

Flag question

MS Dos Operating System Structure from Top to Lower arrangement

Select one:

- ☐ a. application programs, Bios device drivers, system programs, device drivers
- ☐ b. application programs, device drivers, system programs, Bios device drivers
- ☒ c. application programs, system programs, Device drivers, Bios device drivers
- ☐ d. Bios Drivers, system programs, application programs, device drivers

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Question 2

Answer saved

Marked out of 2

Flag question

One of the following algorithms uses slice time

Select one:

- ☐ a. Round Robin
- ☐ b. Priority
- ☐ c. S.J.F Preemptive
- ☒ d. FCFS

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ESC

F1



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Question 24

Answer saved

Marked out of 2

Flag question

It means that once a process has obtained a resource, the system cannot remove it from the process's control until it has finished its execution.

Select one:

- ☐ a. Mutual exclusion condition
- ☒ b. No-preemption condition
- ☐ c. Wait-for condition
- ☐ d. hold-and-wait condition

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Question 16

Answer saved

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Flag question

To increase the size of the operating system and performance One of these structures is used

Select one:

- ☐ a. microkernel
- ☐ b. layer
- ☒ c. monolithic
- ☐ d. modular

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Question 4

Answer saved

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Flag question

Type of operating systems that allow the computer to Process multiple jobs at once.

Select one:

- ☐ a. Multiuser
- ☐ b. Multiprocessor
- ☒ c. Multiprogramming
- ☐ d. Single-stream batch

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Question 9

Answer saved

Marked out of 2

Flag question

The two atomic operations that uses by semaphores are:

Select one:

- ☐ a. Stop & resume
- ☒ b. wait & signal
- ☐ c. Hold & signal
- ☐ d. Lock & unlock

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Question 15

Answer saved

Marked out of 3

Flag question

match the following process states.

Waiting _____

Terminated _____

Running _____

The process is waiting for some event to occur (such as an I/O completion)

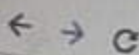
The process has finished execution

Instructions are being executed

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Question 5

Answer saved

Marked out of 2

Flag question

Concurrent access to shared data may result in:

Select one:

- ☐ a. Data Consistency
- ☐ b. Data Insecurity
- ☒ c. Data Inconsistency
- ☐ d. Data Integrity

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**Question 10**

Answer saved

Marked out of 2

Flag question

Semaphore is an example of _____ to solve the critical section problem.

Select one:

- ☒ a. integer variable
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- ☐ c. a specific value
- ☐ d. hardware component

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Question 22

Answer saved

Marked out of 2

Flag
question

FIFO scheduling is _____

- 1 Preemptive Scheduling
- 2 Non Preemptive Scheduling
- 3 Deadline Scheduling
- 4 Fair share scheduling

Select one:

- ☐ a. 3
- ☐ b. 2
- ☐ c. 4
- ☒ d. 1

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Question 19

Answer saved

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Flag question

Given the following processes (Time in ms)

process	Burst time	Arrival time
P1	7	
P2	4	0
P3	1	2
P4	4	4
		5

in SJF preemptive (P1 waits)

Select one:

- ☐ a. 0 ms
- ☒ b. 2 ms
- ☐ c. 11 ms
- ☐ d. 9 ms

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Question 13

Answer saved

Marked out of 2

Flag question

One of the problems in Consumer-producer problem is that processes are interleaved

Select one:

☒ True☐ False[Previous page](#)