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**PAST PAPERS BY WAQAR SIDDHU**

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**VU Answer**

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The integer value of \_\_\_\_\_ semaphores can not be greater than 1.

VuAnswers.com

Answer ( Please select your correct option )

Bounded buffer

Counting

Binary

Mutex

Made by: Waqar Siddhu

A -----system collects physically separate, possibly heterogeneous, systems into a single coherent system, providing the user with access to the various resources that the system maintains

Answer ( Please select your correct option )

**VuAnswers.com**

Distributed

Real-time

Single user

Time-sharing

**Made by: Waqar Siddhu**

Wait and signal operations of semaphores were originally termed -----

Answer (Please select your correct option )

VuAnswers.com

P and V respectively.

V and P respectively.

P and P respectively.

V and V respectively.

Made by: Waqar Siddhu

The total size of ----- in a system is equal to the size of its main memory.

In this case we refer to the logical address as the **virtual address**. The set of all logical addresses generated by a program form the **logical address space** of a process; the set of all physical addresses corresponding to these logical addresses is a **physical address space** of the process. **The total size of physical address space in a system is equal to the size of its main memory**

VuAnswers.com

Answer ( Please select your correct option )

- Physical address space
- Process address space
- Process address space
- Logical address space
- None of the given options

Made by: Waqar Siddhu

-----holds the smallest legal physical memory address for a process

Answer ( Please select your correct option )

**VuAnswers.com**

Limit register

Index register

Stack pointers register

Base register

**Made by: Waqar Siddhu**

Physical memory is broken down into fixed-sized blocks, called----- and Logical memory is divided into blocks of the same size, called -----

Answer ( Please select your correct option )

**VuAnswers.com**

Frames, pages

Pages, Frames

Frames, holes

Holes, segments

**Made by: Waqar Siddhu**

When a \_\_\_\_\_ link is created, a directory entry for the existing file is created

Answer ( Please select your correct option )

**VuAnswers.com**

Soft

Hard

Soft or Hard

Soft or Hard

**Made by: Waqar Siddhu**

In \_\_\_\_\_, each file is a linked list of disk blocks: blocks may be scattered anywhere on the disk.

VuAnswers.com

Answer ( Please select your correct option )

Indexed Allocation

Contiguous Allocation

Linked Allocation

page 235

None of the given options

Made by: Waqar Siddhu

Shared libraries and kernel modules are stored in \_\_\_\_\_ directory

Answer ( Please select your correct option )

VuAnswers.com

/bin

/dev

/boot

/lib

Made by: Waqar Siddhu

Following is not the classical problem of synchronization.

Answer ( Please select your correct option )

**VuAnswers.com**

Bounded buffer problem

Reader writer problem

Dining philosophers problem

Counting Semaphore problem

**Made by: Waqar Siddhu**

The \_\_\_\_\_ requires that no reader will be kept waiting unless a writer has already obtained permission to use the shared object.

VuAnswers.com

Answer ( Please select your correct option )

first readers-writers problem

second readers-writers problem

third readers-writers problem

fourth readers-writers problem

Made by: Waqar Siddhu

The problem of Deadlocks can be solved by \_\_\_\_\_ method(s).

Answer ( Please select your correct option )

VuAnswers.com

Deadlock prevention

Deadlock avoidance

Allowing deadlock and recovery

All of the given

Made by: Waqar Siddhu

A process is \_\_\_\_\_ if it is spending more time on paging

Answer ( Please select your correct option )

**VuAnswers.com**

Thrashing

Demand paging

Paging

Fixed Allocation

**Made by: Waqar Siddhu**

In \_\_\_\_\_ page replacement algorithm oldest frame is replaced with another.

VuAnswers.com

Answer ( Please select your correct option )

LIFO

FIFO

LRU

Optimal

Made by: Waqar Siddhu

The most important property of the working set is its \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

delay

thrashing

time

size

Secondary Storage memory devices have \_\_\_\_\_ memory

VuAnswers.com

Answer ( Please select your correct option )

Volatile

Non-volatile

Non-volatile

Temporary

Temporary

None of the option is correct

Made by: Waqar Siddhu

For some page replacement algorithms, the page fault rate may increase as the number of allocated frames \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Keep Constant

Increases

Decreases

All of above

**Made by: Waqar Siddhu**

\_\_\_\_\_ is caused due to un-used space in physical memory.

Answer ( Please select your correct option )

VuAnswers.com

Internal fragmentation

External fragmentation

Paging

MVT

Made by: Waqar Siddhu

The size of a page is defined by \_\_\_\_\_

Answer ( Please select your correct option )

VuAnswers.com

CPU

Page Table

Physical Memory

Logical Memory

Made by: Waqar Siddhu

In the Scan algorithm the disk \_\_\_\_\_ starts at one end of the disk, and moves toward the other end, servicing requests as it reaches each cylinder, until it gets to the other end of the disk.

**Scan**

In the Scan algorithm the disk arm starts at one end of the disk, and moves toward the other end, servicing requests as it reaches each cylinder, until it gets to the other end of the disk

**VuAnswers.com**

Answer ( Please select your correct option )

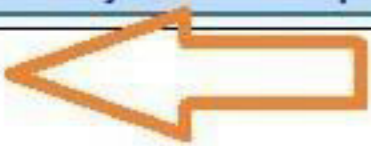
 arm cylinder head non of these**Made by: Waqar Siddhu**

In paged segmentation, we divide every segment in a process into \_\_\_\_\_ pages.

Answer ( Please select your correct option )

**VuAnswers.com**

Fixed size



Variable size

**Made by: Waqar Siddhu**

In paged segmentation, the logical address is legal if  $d$  is \_\_\_\_\_ segment length.

Answer ( Please select your correct option )

VuAnswers.com

Less than



Greater than

Equal to

Greater than or equal to

Made by: Waqar Siddhu

Time from submission to completion of process is called -----


VuAnswers.com

Answer ( Please select your correct option )

Response Time

Throughput

Waiting Time

Turnaround Time: 

The interval from the time of submission to the time of completion is the

Made by: Waqar Siddhu

In case of a multi-processor environment, to ensure the atomic execution, one can

In case of a multi-processor environment, to ensure atomic execution is one can lock the data bus, or use a soft solution such as the Bakery algorithm.

VuAnswers.com

Answer ( Please select your correct option )

- Lock the data bus
- Use a soft solution
- hardware instruction only
- both Lock the data bus and Use a soft solution

Made by: Waqar Siddhu

In \_\_\_\_\_ frame allocation scheme free frames are equally divided among processes

**Fixed allocation**

In this scheme free frames are equally divided among processes

**Proportional Allocation**

Number of frames allocated to a process is proportional to its size in this scheme

Answer ( Please select your correct option )

**VuAnswers.com**

Fixed

Proportional

Priority

All of the given

**Made by: Waqar Siddhu**

ln -s command is used to create a \_\_\_\_\_ link

Answer ( Please select your correct option )

VuAnswers.com

Soft

Hard

Soft or Hard

None of the given options

Made by: Waqar Siddhu

----- automatically holds for printers and other non-sharables

VuAnswers.com

Answer ( Please select your correct option )

Hold and wait



Circular wait

Mutual exclusion

No preemption:

Made by: Waqar Siddhu

The main disadvantage of semaphore is -----

**VuAnswers.com**

Answer ( Please select your correct option )

Context switching

Busy waiting

Synchronization

None of the given options

**Made by: Waqar Siddhu**

-----keeps in memory only those instructions and data that are needed at any given time.

VuAnswers.com

Answer ( Please select your correct option )

Paging

Swapping

Overlays

The idea of overlays is to keep in memory only those instructions and data that are needed at any given time

Fragmentation

Made by: Waqar Siddhu

\_\_\_\_\_ is/are a memory management scheme that supports programmer's view of memory.

**VuAnswers.com**

Answer ( Please select your correct option )

Paging

Segmentation

All of the given options

Demand Paging

**Made by: Waqar Siddhu**

\_\_\_\_\_ is the time for the disk arm to move the head to the cylinder containing the desired sector

Answer ( Please select your correct option )

**VuAnswers.com**

Rotational Latency

Access Time

None of the given options

Seek time

**Made by: Waqar Siddhu**

-----are used for communication between related or unrelated processes on a UNIX/Linux system.

VuAnswers.com

Answer ( Please select your correct option )

Pipes

**Pipe:** Pipes are used for communication between related processes on a system, a

Named pipe (FIFO)

BSD Sockets

None of the given options

Made by: Waqar Siddhu

Linux is a version of

Answer ( Please select your correct option )

**VuAnswers.com**

Windows

Solaris

Unix

Mac

**Made by: Waqar Siddhu**

Java virtual machine executes programs that have been translated into

Answer ( Please select your correct option )

VuAnswers.com

Java bytecode

**Java Virtual Machine (JVM)** loads, verifies, and executes programs that have been translated into Java Bytecode

Java binarycode

Java bitcode

None of the given

Made by: Waqar Siddhu

What is different in parent and child processes?

Answer ( Please select your correct option )

**VuAnswers.com**

Process ID

Open file descriptor table

Root directory

Environment

**Made by: Waqar Siddhu**

Shell is the exclusive feature of

Answer ( Please select your correct option )

**VuAnswers.com**

Application Software

System Software

DOS

UNIX

**Made by: Waqar Siddhu**

Round robin is very good for \_\_\_\_\_ where response is an important issue

VuAnswers.com

Answer ( Please select your correct option )

- Scope
  - Batch system
  - Time sharing system
  - None of the given
- not sure

Made by: Waqar Siddhu

\_\_\_\_\_ is a high speed cache used to hold recently referenced page table entries a part of paged virtual memory

In the translation look-aside buffer (TLB)

A solution to this problem is to use special, small, fast lookup hardware, called

translation look-aside buffer (TLB).

VuAnswers.com

Answer ( Please select your correct option )

Translation Look aside buffer

not sure

Inverse page table

Segmented page table

All the above

Made by: Waqar Siddhu

The mechanism that brings a page into memory only when it is needed is called \_\_\_\_\_

Answer ( Please select your correct option )

**VuAnswers.com**

Segmentation

Fragmentation

Demand Paging

Page Replacement

**Made by: Waqar Siddhu**

\_\_\_\_\_ happens when a dynamic memory allocation algorithm allocates some memory and a small piece is left over that cannot be effectively used.

Answer ( Please select your correct option )

VuAnswers.com

Fragmentation

Segmentation

~~not sure~~

External Fragmentation

✓

Internal Fragmentation

Made by: Waqar Siddhu

A -----system collects physically separate, possibly heterogeneous, systems into a single coherent system, providing the user with access to the various resources that the system maintains

Answer (Please select your correct option )

**VuAnswers.com**

Distributed

Real-time

Single user

Time-sharing

**Made by: Waqar Siddhu**

The process of switching from one process to another is called -----

Answer ( Please select your correct option )

**VuAnswers.com**

context switching

scheduling

quantum period

latency

**Made by: Waqar Siddhu**

Variable names are ----- addresses

Answer ( Please select your correct option )

**VuAnswers.com**

Physical

Relocatable

Relative

Symbolic

**Made by: Waqar Siddhu**

The set of all logical addresses generated by a program form the -----of a process.

Answer ( Please select your correct option )

**VuAnswers.com**

None of the given options

Logical address space

Process address space

Physical address space

**Made by: Waqar Siddhu**

Physical memory is broken down into fixed-sized blocks, called----- and Logical memory is divided into blocks of the same size, called -----

Answer ( Please select your correct option )

**VuAnswers.com**

Frames, pages

Pages, Frames

Frames, holes

Holes, segments

**Made by: Waqar Siddhu**

-----is the separation of user logical memory from physical memory

Answer ( Please select your correct option )

**VuAnswers.com**

Virtual Memory



None of the given options

ROM

Physical memory

**Made by: Waqar Siddhu**

In \_\_\_\_\_ allocation scheme free frames are equally divided among processes

**Fixed allocation**

In this scheme free frames are equally divided among processes

Answer ( Please select your correct option )

**VuAnswers.com**

Fixed Allocation

Propotional Allocation

Priority Allocation

None of the given options

**Made by: Waqar Siddhu**

\_\_\_\_\_ is created by the system when a symbolic link is created to an existing file, allowing you to rename the existing file and share it without duplicating its contents

Answer ( Please select your correct option )

**VuAnswers.com**

Ordinary File

Link File

Directory

Character-special file

**Made by: Waqar Siddhu**

The \_\_\_\_\_ algorithm selects the request with the minimum seek time from the current head position

The SSTF algorithm selects the request with the minimum seek time from the current head position

Answer ( Please select your correct option )

**VuAnswers.com**

Scan

SSTF

Look

C-Look

**Made by: Waqar Siddhu**

The Operating system is a layer of software between \_\_\_\_\_ and \_\_\_\_\_

Answer ( Please select your correct option )

**VuAnswers.com**

Hardware, software application

Kernel, hardware

Dos, Windows

Windows, Kernel

**Made by: Waqar Siddhu**

Wrong use of wait and signal operations (in context with semaphores) can cause \_\_\_\_\_ problem(s).

Answer ( Please select your correct option )

**VuAnswers.com**

Mutual Exclusion

Deadlock

Bounded Waiting

All of the given options are correct

**Made by: Waqar Siddhu**

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 \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Mutual exclusion

Hold and wait

No preemption

Circular wait

**Made by: Waqar Siddhu**

The problem of Deadlocks can be solved by \_\_\_\_\_ method(s).

Answer ( Please select your correct option )

**VuAnswers.com**

Deadlock prevention

Deadlock avoidance

Allowing deadlock and recovery

All of the given

**Made by: Waqar Siddhu**

The most important property of the working set is its \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

delay

thrashing

time

size

**Made by: Waqar Siddhu**

In \_\_\_\_\_, the library files are linked at load time.

Answer ( Please select your correct option )

**VuAnswers.com**

Static Linking

Dynamic Linking

Non of these

both of these

**Made by: Waqar Siddhu**

Intel 80386 used paged segmentation with \_\_\_\_\_ level paging.

Answer ( Please select your correct option )

**VuAnswers.com**

One

Two

Three

Four

**Made by: Waqar Siddhu**

When the process tries to access locations that are not in memory, the hardware traps the operating system. This is called as \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Paging

Segmentation

Page Fault

When the process tries to access locations that are not in memory, the hardware traps the operating system (page fault).

Page replacement

**Made by: Waqar Siddhu**

In \_\_\_\_\_ frame allocation scheme free frames are equally divided among processes

Answer (Please select your correct option )

**VuAnswers.com**

Fixed

Proportional

Priority

All of the given

**Made by: Waqar Siddhu**

ln -s command is used to create a \_\_\_\_\_ link.

Answer ( Please select your correct option )

Soft

Hard

Soft or Hard

None of the given options

VuAnswers.com

Made by: Waqar Siddhu

The major advantage of multi-programming system is

Answer ( Please select your correct option )

**VuAnswers.com**

CPU utilization increases

Jobs can be completed quickly

The operating system keeps several jobs in memory simultaneously

All of the options are correct

**Made by: Waqar Siddhu**

The main disadvantage of semaphore is -----

Answer ( Please select your correct option )

**VuAnswers.com**

Context switching

Busy waiting

The main disadvantage of the semaphore discussed in the previous section is that it requires **busy waiting**

Synchronization

None of the given options

**Made by: Waqar Siddhu**

A set of processes are said to be in ----- condition if each process in the set is waiting for an event that only another process in the set can cause (including itself).

Answer ( Please select your correct option )

**VuAnswers.com**

Mutual exclusion

Deadlock

Release

Lock

**Made by: Waqar Siddhu**

Deadlocks can be described more precisely in terms of .....

Answer ( Please select your correct option )

**VuAnswers.com**

Directed Graph

Critical path

Resource allocation graph

Deadlocks can be described more precisely in terms of a directed graph called a system resource allocation graph

Mixed graph

**Made by: Waqar Siddhu**

Which command, displays permissions and some other attributes for prog1.c in your current directory?

**chmod 700 ~** ..... Set permissions on home directory to 700  
**chmod 744 ~/file**..... Set permissions on ~/file to 744  
**chmod 755 ~/directory**... Set permissions on ~/directory 755  
**ls -l ~** ..... Display permissions and some other attributes for all files and

Answer ( Please select your correct option )

**VuAnswers.com**

**ls -l prog1.c**

**ls -d prog1.c**

**ls file prog1.c**

**ls -l prog1.c /Directory**

directories in your home directory

**ls -ld ~** ..... Display permissions and some other attributes for your home directory

**ls -l prog1.c** ..... Display permissions and some other attributes for prog1.c in your current directory

**ls -ld ~/courses** ..... Display permissions and some other attributes for your home directory

**Made by: Waqar Siddhu**

A modification of free-list approach in free space management is to store the addresses of n free blocks in the first free block is known as \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

counting

linked list

bit vector

grouping

**Made by: Waqar Siddhu**

Files that start with a ----- in UNIX/Linux directory structure are known as hidden files .

Answer ( Please select your correct option )

**VuAnswers.com**

. (dot)

# ( hash )

/ (slash)

~ (tilt)

**Made by: Waqar Siddhu**

The -----system call is used to open or create a file.

Answer ( Please select your correct option )

**VuAnswers.com**

open()

The open() System call

The open() system call is used to open or create a file. Its synopsis is as follows:

read()

write()

close()

**Made by: Waqar Siddhu**

\_\_\_\_\_ is the name of the technique that is designed to get rid of deadlocks by changing the specifications of the system.

Answer (Please select your correct option )

**VuAnswers.com**

Deadlock avoidance

not sure

Deadlock prevention

Deadlock

Deadlock free

**Made by: Waqar Siddhu**

Linux is a version of

Answer ( Please select your correct option )

**VuAnswers.com**

Windows

Solaris

Unix

Mac

**Made by: Waqar Siddhu**

Memory can be protected by using

Answer ( Please select your correct option )

**VuAnswers.com**

Base register and program counter

Base register and memory address register

Base register and Limit register

Limit register and program counter



**Made by: Waqar Siddhu**

Round robin is very good for \_\_\_\_\_ where response is an important issue

Answer ( Please select your correct option )

**VuAnswers.com**

- Scope
- Batch system
- Time sharing system
- None of the given

not sure

**Made by: Waqar Siddhu**

Semaphore can be used for solving \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Wait & signal

Deadlock

Synchronization

Priority

**Made by: Waqar Siddhu**

In one of the deadlock prevention methods, impose a total ordering of all resource types, and require that each process requests resources in an increasing order of enumeration. This violates the \_\_\_\_\_ condition of deadlock.

Answer ( Please select your correct option )

**VuAnswers.com**

Mutual exclusion

Hold and Wait

Circular Wait

No Preemption Right

**Made by: Waqar Siddhu**

Which of the following is NOT a valid deadlock prevention scheme?

Answer ( Please select your correct option )

**VuAnswers.com**

Release all resources before requesting a new resource

Number the resources uniquely and never request a lower numbered resource than the last one requested.

Never request a resource after releasing any resource

Request and all required resources be allocated before execution.

**Made by: Waqar Siddhu**

\_\_\_\_\_ page replacement algorithm suffers from Belady's anomaly.

Answer ( Please select your correct option )

**VuAnswers.com**

LRU

MRU

FIFO

not sure

LIFO

**Made by: Waqar Siddhu**

Thrashing \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Reduces page I/O

Decreases the degree of multiprogramming

Implies excessive page I/O

Improve the system performance

**Made by: Waqar Siddhu**

In memory management , a technique called as paging, physical memory is broken into fixed-sized blocks called \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Pages

Frames

Blocks

Segments

**Made by: Waqar Siddhu**

Where does the swap space reside ?

Answer ( Please select your correct option )

**VuAnswers.com**

RAM

Disk

ROM

On-chip cache

**Made by: Waqar Siddhu**

\_\_\_\_\_ happens when a dynamic memory allocation algorithm allocates some memory and a small piece is left over that cannot be effectively used.

Answer ( Please select your correct option )

**VuAnswers.com**

Fragmentation

Segmentation

External Fragmentation

Internal Fragmentation

~~not sure~~

**Made by: Waqar Siddhu**

Which of the following statements is true for the Banker's algorithm?

Answer ( Please select your correct option )

**VuAnswers.com**

It cannot be used for a system with many resources, each of which is unique with no multiple copies.

It is used to detect deadlock.

An unsafe situation will always lead to a deadlock.

It is not applicable when many users share a resource simultaneously.

**Made by: Waqar Siddhu**

A computer system that allows only one user to use the computer at a given time is known as a -----

Answer ( Please select your correct option )

**VuAnswers.com**

- Batch systems
- Multi programmed systems
- single-user system
- Time-sharing systems



**Made by: Waqar Siddhu**

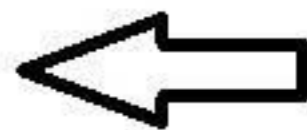
You can terminate a foreground process by pressing -----

Answer ( Please select your correct option )

VuAnswers.com

<Ctrl-A>

<Ctrl-C>



<Ctrl-Z>

None of the given options

Made by: Waqar Siddhu

The priorities of processes in the -----Group remain fixed whereas the priorities of processes in the -----Group are recalculated every second.

Answer ( Please select your correct option )

**VuAnswers.com**

Kernel, Kernel

User, Kernel

User, User

Kernel, User



**Made by: Waqar Siddhu**

-----**processes** may want only to read the content of the shared object.

Answer ( Please select your correct option )

VuAnswers.com

Mutex

Writers

Readers



None of the given options

Made by: Waqar Siddhu

An arrow from resource to process shows an instance of the resource has been ----- to the process.

Answer ( Please select your correct option )

VuAnswers.com

Allocated

Waiting

Requesting

None of the given options

Made by: Waqar Siddhu

What do we name to an address that is generated by the CPU?

Answer ( Please select your correct option )

**VuAnswers.com**

Logical address



Physical address

Binary addresses

None of the given options

**Made by: Waqar Siddhu**

The set of all physical addresses corresponding to the logical addresses is a ----- of the process

Answer ( Please select your correct option )

**VuAnswers.com**

Logical address space

Physical address space

Process address space

None of the given options



**Made by: Waqar Siddhu**

The run-time mapping from virtual to physical addresses is done by a piece of hardware in the CPU, called the -----

Answer ( Please select your correct option )

**VuAnswers.com**

- Registers
- None of the given options
- CPU Scheduler
- Memory management unit (MMU)



**Made by: Waqar Siddhu**

A page table needed for keeping track of pages of the page table is called -----

Answer ( Please select your correct option )

**VuAnswers.com**

2-level paging

Page directory



Page size

Page table size

**Made by: Waqar Siddhu**

Each page is a power of ----- bytes long in paging scheme.

Answer ( Please select your correct option )

VuAnswers.com

2



3

4



confirm

5

Made by: Waqar Siddhu

\_\_\_\_\_ is based on the locality of reference concept— the least frequently used page is not in the current locality

Answer ( Please select your correct option )

**VuAnswers.com**

Least Frequently Used algorithm



Page Buffering Algorithm

None of the given options

Most Frequently Used algorithm

**Made by: Waqar Siddhu**

In \_\_\_\_\_ allocation scheme free frames are equally divided among processes

Answer ( Please select your correct option )

VuAnswers.com

Fixed Allocation



Propotional Allocation

Priority Allocation

None of the given options

Made by: Waqar Siddhu

\_\_\_\_\_ is created by the system when a symbolic link is created to an existing file, allowing you to rename the existing file and share it without duplicating its contents

Answer ( Please select your correct option )

VuAnswers.com

Directory

Character-special file

Ordinary File

Link File



Made by: Waqar Siddhu

The \_\_\_\_\_ method requires each file to occupy a set of contiguous blocks on the disk.

Answer ( Please select your correct option )

**VuAnswers.com**

Contiguous Allocation



Linked Allocation

Indexed Allocation

None of the given options

**Made by: Waqar Siddhu**

In the \_\_\_\_\_ algorithm the disk arm starts at one end of the disk, and moves toward the other end, servicing requests as it reaches each cylinder, until it gets to the other end of the disk

**Scan**

In the Scan algorithm the disk arm starts at one end of the disk, and moves toward the other end, servicing requests as it reaches each cylinder, until it gets to the other end of the disk.

Answer ( Please select your correct option )

**VuAnswers.com**

Scan



SSTF

Look

C-Look

**Made by: Waqar Siddhu**

In Linux directory structure, there is \_\_\_\_\_ root directory.

Answer ( Please select your correct option )

VuAnswers.com

2



3



4



1



Made by: Waqar Siddhu

The integer value of \_\_\_\_\_ semaphores can not be greater than 1.

Answer ( Please select your correct option )

VuAnswers.com

Bounded buffer

Counting

Binary

Mutex

Made by: Waqar Siddhu

The main memory is usually divided into partitions, one for \_\_\_\_\_ and other for \_\_\_\_\_.

Answer ( Please select your correct option )

VuAnswers.com

Operating System, User processes

Operating system, CPU

Processes, Virtual Memory

Base Register, Limit Register

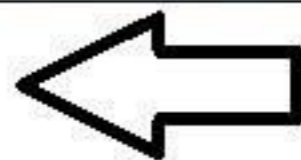
Made by: Waqar Siddhu

Assume a logical address space of 16 pages of 1024 words, each mapped into a physical memory of 32 frames. Each word consists of 2 bytes. What will be the total number of bits required for **p** (page number)?

Answer ( Please select your correct option )

VuAnswers.com

4 bits



8 bits

16 bits

32 bits

Made by: Waqar Siddhu

Assume a logical address space of 16 pages of 1024 words, each mapped into a physical memory of 32 frames. Each word consists of 2 bytes. What will be the total number of bits required for  $f$  (frames)?

Answer ( Please select your correct option )

VuAnswers.com

 5 6 7 8

Made by: Waqar Siddhu

In the Scan algorithm the disk \_\_\_\_\_ starts at one end of the disk, and moves toward the other end, servicing requests as it reaches each cylinder, until it gets to the other end of the disk.

Answer ( Please select your correct option )

VuAnswers.com

arm

cylinder

head

non of these

Made by: Waqar Siddhu

Segmentation is a memory management scheme that supports \_\_\_\_\_

Answer ( Please select your correct option )

VuAnswers.com

Programmer's view of memory

System's view of memory

Hardware's view of memory

None of the given

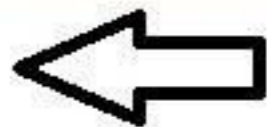
Made by: Waqar Siddhu

A \_\_\_\_\_ is a piece of code in a cooperating process in which the process may updates shared data (variable, file, database, etc.).

Answer ( Please select your correct option )

VuAnswers.com

critical section



critical region

monitor

all of the given are correct

Made by: Waqar Siddhu

The next layer above the hardware layer in the layered approach of Operating System is----- layer

Answer ( Please select your correct option )

VuAnswers.com

User interface

Kernel

not sure

Hardware

None of the given options

Made by: Waqar Siddhu

Priority of a process is ----- to the priority number of the process.

Answer ( Please select your correct option )

VuAnswers.com

Directly proportional



Equal

Inversely proportional

Greater

Made by: Waqar Siddhu

\_\_\_\_\_ is the operating system's attempt to improve the computer system's utilization and throughput.

Answer ( Please select your correct option )

VuAnswers.com

Exec

Fork

Demand Paging



Thrashing

Made by: Waqar Siddhu

----- automatically holds for printers and other non-sharables

Answer ( Please select your correct option )

VuAnswers.com

Hold and wait

Circular wait

Mutual exclusion

No preemption:

Made by: Waqar Siddhu

The main disadvantage of semaphore is -----

Answer ( Please select your correct option )

**VuAnswers.com**

Context switching

Busy waiting



Synchronization

None of the given options

**Made by: Waqar Siddhu**

\_\_\_\_\_ states that as a process executes it moves from locality to locality.

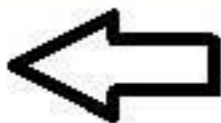
Answer ( Please select your correct option )

**VuAnswers.com**

Working Set Model

Page Fault Frequency

Locality of Reference



None of the given options

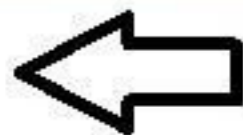
**Made by: Waqar Siddhu**

\_\_\_\_\_ is a way to establish a connection between the file to be shared and the directory entries of the users who want to have access to this file.

Answer ( Please select your correct option )

VuAnswers.com

Link



Directory

Common Group

Access Permission

Made by: Waqar Siddhu

A parent process calling \_\_\_\_\_ system call will be suspended until children process terminates.

Answer ( Please select your correct option )

VuAnswers.com

wait

fork

exit

exec



Made by: Waqar Siddhu

High-level synchronization construct that allows the safe sharing of an abstract data type among concurrent processes is called a -----

Answer ( Please select your correct option )

**VuAnswers.com**

Read/Write Lock

Swap

Semaphore

Monitor

**Made by: Waqar Siddhu**

\_\_\_\_\_ is the name of the technique that is designed to get rid of deadlocks by changing the specifications of the system.

Answer ( Please select your correct option )

VuAnswers.com

Deadlock avoidance



Deadlock prevention

Deadlock

Deadlock free

Made by: Waqar Siddhu

In which of the following operations, the scheduler is not called into play?

Answer ( Please select your correct option )

VuAnswers.com

Process requests for I/O.

Process finishes execution.

Process finishes its time allotted.

All of the given

Made by: Waqar Siddhu

“Only one process may use a resource at a time” best describes which one of the following?

Answer ( Please select your correct option )

VuAnswers.com

Circular wait

Hold and wait

No preemption

Mutual Exclusion



Made by: Waqar Siddhu

Which of the following is NOT a valid deadlock prevention scheme?

Answer ( Please select your correct option )

VuAnswers.com

- Release all resources before requesting a new resource
- Number the resources uniquely and never request a lower numbered resource than the last one requested.
- Never request a resource after releasing any resource
- Request and all required resources be allocated before execution.

Made by: Waqar Siddhu

\_\_\_\_\_ page replacement algorithm suffers from Belady's anomaly.

Answer ( Please select your correct option )

VuAnswers.com

LRU

MRU

FIFO

LIFO

Made by: Waqar Siddhu

A page fault occurs

Answer ( Please select your correct option )

VuAnswers.com

- when the page is in the memory
- when the process enters the blocked state
- when the process is in the ready state
- when the page is not in the memory



Made by: Waqar Siddhu

The mechanism that brings a page into memory only when it is needed is called \_\_\_\_\_

Answer ( Please select your correct option )

**VuAnswers.com**

Segmentation

Fragmentation

Demand Paging

Page Replacement



**Made by: Waqar Siddhu**

\_\_\_\_\_ occurs in a dynamic memory allocation system when many of the free blocks are too small to satisfy any request.

Answer ( Please select your correct option )

**VuAnswers.com**

Segmentation

Virtual memory

Page fault

Fragmentation



**Made by: Waqar Siddhu**

1 KB or 1 kilobyte is equivalent to -----

Answer ( Please select your correct option )

**VuAnswers.com**

10 bytes

1000 bytes

1024 bytes

10000 bytes

**Made by: Waqar Siddhu**

A -----system collects physically separate, possibly heterogeneous, systems into a single coherent system, providing the user with access to the various resources that the system maintains

A distributed system collects physically separate, possibly heterogeneous, systems into a single coherent system, providing the user with access to the various resources that the system maintains.

Answer ( Please select your correct option )

VuAnswers.com

Distributed

correct

page 13

Real-time

Single user

Time-sharing

**Made by: Waqar Siddhu**

Preemptive -----scheduling is sometimes called **shortest-remaining-time-first** scheduling.

Preemptive SJF scheduling is sometimes called shortestremaining-time-first scheduling.

page 83

Answer ( Please select your correct option )

VuAnswers.com

First-Come-First-Served (FCFS)

Round-Robin

Sorted Job First (SJF)

correct

Priority

Made by: Waqar Siddhu

The semaphore empty is initialized to the value -----; the semaphore full is initialized to the value -----.

The semaphore empty is initialized to the value  $n$ ; the semaphore full is initialized to the value  $0$ .

page 116

Answer ( Please select your correct option )

VuAnswers.com

$0,n$

$n,0$

correct

$n,n$

$0,0$

Made by: Waqar Siddhu

A -----is a region of code where shared resources are accessed.

page 70

Answer ( Please select your correct option )

VuAnswers.com

deadlock

critical region

process

thread

Made by: Waqar Siddhu

In ----- technique, memory is divided into several fixed-size partitions.

**Multiprogramming with Fixed Tasks (MFT)**

In this technique, memory is divided into several fixed-size partitions.

page 160

Answer ( Please select your correct option )

**VuAnswers.com**

Swapping

Overlays

Multiprogramming with Fixed Tasks (MFT)

correct

Multiprogramming with Variable Tasks (MVT)

**Made by: Waqar Siddhu**

Every -----generated by the CPU is divided into two parts: a page number (p) and a page offset (d).

Every logical address generated by the CPU is divided into two parts: a page number (p) and a page offset (d).

page 164

Answer ( Please select your correct option )

VuAnswers.com

 Page Process address space Physical address Logical address

correct

**Made by: Waqar Siddhu**

If validation bit is 0, it indicates a/an ----- state of segment.

Validation bit : if the validation bit is 0, it indicates an illegal segment

page 178

Answer ( Please select your correct option )

VuAnswers.com

protected

shared

legal

illegal

correct

Made by: Waqar Siddhu

\_\_\_\_\_ is based on the locality of reference concept— the least frequently used page is not in the current locality

This algorithm is based on the locality of reference concept— the least frequently used page is not in the current locality. LFU

page 204

Answer ( Please select your correct option )

VuAnswers.com

Least Frequently Used algorithm

correct

Page Buffering Algorithm

None of the given options

Most Frequently Used algorithm

Made by: Waqar Siddhu

In \_\_\_\_\_ allocation scheme number of frames allocated to a process is proportional to its size .

Proportional Allocation

Number of frames allocated to a process is proportional to its size in this scheme.

page 205

Answer ( Please select your correct option )

VuAnswers.com

None of the given options

Fixed Allocation

Propotional Allocation

correct

Priority Allocation

Made by: Waqar Siddhu

In case of thrashing if CPU utilization is too low the operating system \_\_\_\_\_ the degree of multiprogramming

if CPU utilization is too low, the operating system increases the degree of multiprogramming by introducing one or more new processes to the system.

page 208

Answer ( Please select your correct option )

VuAnswers.com

- Increases
- Decreases
- Increases or Decreases
- None of the given options

correct

Made by: Waqar Siddhu

\_\_\_\_\_ enable processes to communicate with each other

FIFO enable processes to communicate with each other.

page 218

Answer ( Please select your correct option )

**VuAnswers.com**

Directory

FIFO

correct

Link File

Ordinary File

**Made by: Waqar Siddhu**

When a \_\_\_\_\_ link is created, a directory entry for the existing file is created

When a hard link is created, a directory entry for the existing file is created—there is still only one file.

page 225

Answer ( Please select your correct option )

VuAnswers.com

Soft

Hard

correct

Soft or Hard

Soft or Hard

Made by: Waqar Siddhu

In \_\_\_\_\_, each file is a linked list of disk blocks: blocks may be scattered anywhere on the disk.

Linked Allocation

Each file is a linked list of disk blocks: blocks may be scattered anywhere on the disk.

page 235

Answer ( Please select your correct option )

VuAnswers.com

Indexed Allocation

Contiguous Allocation

Linked Allocation

correct

None of the given options

Made by: Waqar Siddhu

Shared libraries and kernel modules are stored in \_\_\_\_\_ directory

Shared libraries and kernel modules are stored in this directory

page 23

Answer ( Please select your correct option )

**VuAnswers.com**

/bin

/dev

/boot

/lib

correct

**Made by: Waqar Siddhu**

The problem of Deadlocks can be solved by \_\_\_\_\_ method(s).

Answer ( Please select your correct option )

VuAnswers.com

Deadlock prevention

Deadlock avoidance

Allowing deadlock and recovery

All of the given

correct

Made by: Waqar Siddhu

In \_\_\_\_\_ page replacement algorithm oldest frame is replaced with another.

page 119

Answer ( Please select your correct option )

**VuAnswers.com**

LIFO

FIFO

LRU

Optimal

correct

**Made by: Waqar Siddhu**

In Resource Allocation Graph, a                       $P_i \rightarrow R_j$  indicates that process  $P_i$  may request resource  $R_j$  at some time in the future.

Resource Allocation Graph Algorithm

In addition to the request and assignment edges explained in the previous lectures, we introduce a new type of edge called a claim edge to resource allocation graphs. A claim edge  $P_i \rightarrow R_j$  indicates that process  $P_i$  may request resource  $R_j$  at some time in the future.

page 136

Answer ( Please select your correct option )

**VuAnswers.com**

Claim edge

correct

Request edge

Assignment edge

Allocation edge

**Made by: Waqar Siddhu**

Assume a logical address space of 16 pages of 1024 words, each mapped into a physical memory of 32 frames. Each word consists of 2 bytes. What will be the total number of bits required for  $p$  (page number)?

Assume a logical address space of 16 pages of 1024 words, each mapped into a physical memory of 32 frames. No. of bits needed for  $p = \text{ceiling} [\log_2 16] \text{ bits} = 4 \text{ bits}$

page 166

Answer ( Please select your correct option )

VuAnswers.com

 4 bits

correct

 8 bits 16 bits 32 bits

Made by: Waqar Siddhu

In the Scan algorithm the disk \_\_\_\_\_ starts at one end of the disk, and moves toward the other end, servicing requests as it reaches each cylinder, until it gets to the other end of the disk.

Scan

In the Scan algorithm the disk arm starts at one end of the disk, and moves toward the other end, servicing requests as it reaches each cylinder, until it gets to the other end of the disk.

page 245

Answer ( Please select your correct option )

VuAnswers.com

- arm  
correct
- cylinder
- head
- non of these

Made by: Waqar Siddhu

Segmentation is a memory management scheme that supports \_\_\_\_\_

Segmentation is a memory management scheme that supports programmer's view of memory.

page 176

Answer ( Please select your correct option )

**VuAnswers.com**

Programmer's view of memory

correct

System's view of memory

Hardware's view of memory

None of the given

**Made by: Waqar Siddhu**

\_\_\_\_\_ is a variation of fork system call in several Unix operating system used for Virtual Memory.

vfork()  
Several versions of UNIX provide a variation of the fork() system call—vfork() (for virtual memory fork).

page 194

Answer ( Please select your correct option )

VuAnswers.com

 vfork ()

correct

 wfork () avfork () bfork ()**Made by: Waqar Siddhu**

The bottom layer in the layered approach of Operating System is-----

page 20

Answer ( Please select your correct option )

VuAnswers.com

User interface

Hardware

correct

Kernel

None of the given options

Made by: Waqar Siddhu

Named pipes give a -----flow of data by default

46 page

Answer ( Please select your correct option )

**VuAnswers.com**

half-duplex (one-way)

correct

full duplex(both-ways)

both half-duplex and full duplex

none of the given options

**Made by: Waqar Siddhu**

In \_\_\_\_\_ frame allocation scheme free frames are equally divided among processes

Fixed allocation

In this scheme free frames are equally divided among processes

page 205

Answer ( Please select your correct option )

**VuAnswers.com**

Fixed

correct

Proportional

Priority

All of the given

**Made by: Waqar Siddhu**

----- automatically holds for printers and other non-sharables

Answer ( Please select your correct option )

VuAnswers.com

Hold and wait

correct

checking require

Circular wait

Mutual exclusion

No preemption:

Made by: Waqar Siddhu

----- is a single program that produces an object file

Answer ( Please select your correct option )

VuAnswers.com

Linker

Compiler

correct

Loader

Text editor

Made by: Waqar Siddhu

-----keeps in memory only those instructions and data that are needed at any given time.

The idea of overlays is to keep in memory only those instructions and data that are needed at any given time.

page 157

Answer ( Please select your correct option )

VuAnswers.com

Paging

Swapping

Overlays

correct

Fragmentation

Made by: Waqar Siddhu

The address generated by the CPU, after any indexing or other addressing-mode arithmetic, is called a -----address, and the address it gets translated to by the MMU is called a -----address.

page 153

Answer ( Please select your correct option )

VuAnswers.com

 Virtual, physical

correct

 Hexadecimal, Binary, Valid, invalid Physical, Virtual**Made by: Waqar Siddhu**

\_\_\_\_\_ is/are a memory management scheme that supports programmer's view of memory.

page 176

Answer ( Please select your correct option )

VuAnswers.com

 Paging Segmentation All of the given options Demand Paging

correct

**Made by: Waqar Siddhu**

A new process is created by the----- system call

Answer ( Please select your correct option )

VuAnswers.com

exit

fork

correct

midterm solve

wait

exec

Made by: Waqar Siddhu

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

BSD Socket: The BSD sockets are used for communication between related or unrelated processes on the same system or unrelated processes on different systems,

page 50

Answer ( Please select your correct option )

**VuAnswers.com**

None of the given

SSD socket

DSD socket

BSD sockets

correct

**Made by: Waqar Siddhu**

\_\_\_\_\_ wastes CPU cycles and hence a problem in real multiprogramming system.

Busy waiting wastes CPU cycles that some other process may be able to use productively.

page 111

Answer ( Please select your correct option )

VuAnswers.com

Busy waiting

correct

Semaphore

Critical section

Mutex

Made by: Waqar Siddhu

High-level synchronization construct that allows the safe sharing of an abstract data type among concurrent processes is called a -----

Answer ( Please select your correct option )

VuAnswers.com

Read/Write Lock

Swap

Semaphore

Monitor

**Made by: Waqar Siddhu**

In ..... system, the user space contains one process at a time because only one process is executing at a given time.

In case of a batch system, the user space contains one process at a time because only one process is executing at a given time.

page 5

Answer ( Please select your correct option )

VuAnswers.com

 Multi programmed Batch

correct

 Time-sharing system None of the given**Made by: Waqar Siddhu**

Which one of the following is the correct syntax to copy file1 to file2?

page 27

Answer ( Please select your correct option )

**VuAnswers.com**

cp file2, file1

cp file1/file2

correct

cp file2 file1

cp file1 file2

**Made by: Waqar Siddhu**

\_\_\_\_\_ points to the smallest memory address of a process.

limit registers are used  
to point to the smallest memory address of a process

159 page

Answer ( Please select your correct option )

VuAnswers.com

Limit register

~~correct~~

Base register

Stack pointer

None of the given

Made by: Waqar Siddhu

A wait operation on a semaphore should not occur within a critical section controlled by that semaphore because

Answer ( Please select your correct option )

VuAnswers.com

- A deadlock will occur
- A semaphore is not a shared variable
- A signal on a semaphore is always given from outside the critical section
- None of the given

Made by: Waqar Siddhu

\_\_\_\_\_ page replacement algorithm suffers from Belady's anomaly.

Example for the FIFO page replacement algorithm  
The problem with this algorithm is that it suffers from Belady's anomaly:

199

Answer ( Please select your correct option )

VuAnswers.com

LRU

MRU

FIFO

correct

LIFO

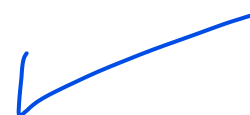
Made by: Waqar Siddhu

\_\_\_\_\_ is a high speed cache used to hold recently referenced page table entries a part of paged virtual memory

Answer ( Please select your correct option )

VuAnswers.com

Translation Look aside buffer



Inverse page table

Segmented page table

All the above

Made by: Waqar Siddhu

-----is the process of mapping a name to an address.

noooooo ideaaaa

VuAnswers.com

Answer ( Please select your correct option )

Addressing



Binding

Routing

Memory

Made by: Waqar Siddhu

When the address used in a program gets converted to an actual physical RAM address, it is called -----

Answer ( Please select your correct option )

VuAnswers.com

Execution

Loading

Address Binding

ans

Compiling

Made by: Waqar Siddhu

The set of all logical addresses generated by a program form the -----of a process.

Answer ( Please select your correct option )

VuAnswers.com

Process address space

Physical address space

ans

Logical address space

None of the given options

Made by: Waqar Siddhu

Each page is a power of ----- bytes long in paging scheme.

Answer ( Please select your correct option )

VuAnswers.com

2

3

4

ans

5

Made by: Waqar Siddhu

-----is the separation of user logical memory from physical memory

Answer ( Please select your correct option )

VuAnswers.com

Physical memory

ROM

Virtual Memory

ans

None of the given options

Made by: Waqar Siddhu

\_\_\_\_\_ is based on the locality of reference concept— the least frequently used page is not in the current locality

Answer ( Please select your correct option )

VuAnswers.com

Least Frequently Used algorithm

ans

Page Buffering Algorithm

None of the given options

Most Frequently Used algorithm

Made by: Waqar Siddhu

In case of thrashing if CPU utilization is too low the operating system \_\_\_\_\_ the degree of multiprogramming

Answer ( Please select your correct option )

VuAnswers.com

Increases

ans

Decreases

Increases or Decreases

None of the given options

Made by: Waqar Siddhu

\_\_\_\_\_ is created by the system when a symbolic link is created to an existing file, allowing you to rename the existing file and share it without duplicating its contents

Answer ( Please select your correct option )

VuAnswers.com

Directory

Character-special file

Ordinary File

Link File

ans out of lectues

Made by: Waqar Siddhu

\_\_\_\_\_ brings all the pointers to the block together into a disk block

Answer ( Please select your correct option )

VuAnswers.com

Indexed Allocation

ans

None of the given options

Linked Allocation

Contiguous Allocation

Made by: Waqar Siddhu

In the \_\_\_\_\_ algorithm the disk arm starts at one end of the disk, and moves toward the other end, servicing requests as it reaches each cylinder, until it gets to the other end of the disk.

out of lect

VuAnswers.com

Answer ( Please select your correct option )

Scan

SSTF

Look

C-Look

Made by: Waqar Siddhu

Wrong use of wait and signal operations (in context with semaphores) can cause \_\_\_\_\_ problem(s).

Answer ( Please select your correct option )

VuAnswers.com

Mutual Exclusion

Deadlock

Bounded Waiting

All of the given options are correct

ans

Made by: Waqar Siddhu

A process is \_\_\_\_\_ if it is spending more time on paging

Answer ( Please select your correct option )

VuAnswers.com

Thrashing **ans**

Demand paging

Paging

Fixed Allocation

Made by: Waqar Siddhu

\_\_\_\_\_ is caused due to un-used space in physical memory.

Answer ( Please select your correct option )

VuAnswers.com

Internal fragmentation

ans

External fragmentation

Paging

MVT

Made by: Waqar Siddhu

External Fragmentation takes place in \_\_\_\_\_

Answer ( Please select your correct option )

VuAnswers.com

Multiprogramming with Variable Tasks (MVT)

Multiprogramming with Fixed Tasks (MFT)

ans

Multi-tasking

Paging

Made by: Waqar Siddhu

To eliminate external fragmentation in segmentation the scheme used is \_\_\_\_\_

Answer ( Please select your correct option )

VuAnswers.com

Fixed size partition scheme

Variable size partition scheme

and

Fixed size paging scheme

Variable size paging scheme

Made by: Waqar Siddhu

In paged segmentation, the logical address is legal if  $d$  is \_\_\_\_\_ segment length.

Answer ( Please select your correct option )

VuAnswers.com

Less than

ans

Greater than

Equal to

Greater than or equal to

Made by: Waqar Siddhu

In a UNIX system, \_\_\_\_\_ system call can be used to request the operating system to memory map an opened file.

Answer ( Please select your correct option )

VuAnswers.com

mmap()

ans

fork ()

exec()

read()

Made by: Waqar Siddhu

A \_\_\_\_\_ is an integer variable that, apart from initialization is accessible only through two standard atomic operations: wait and signal.

Answer ( Please select your correct option )

VuAnswers.com

Semaphore

ans

Monitor

Critical region

Critical section

Made by: Waqar Siddhu

The bottom layer in the layered approach of Operating System is-----

VuAnswers.com

Answer ( Please select your correct option )

User interface

Hardware

ans

Kernel

None of the given options

Made by: Waqar Siddhu

In \_\_\_\_\_ frame allocation scheme free frames are equally divided among processes

Answer ( Please select your correct option )

VuAnswers.com

Fixed  
ans

Proportional

Priority

All of the given

Made by: Waqar Siddhu

A set of processes are said to be in ----- condition if each process in the set is waiting for an event that only another process in the set can cause (including itself).

Answer ( Please select your correct option )

VuAnswers.com

Mutual exclusion

Deadlock

Release

Lock

Made by: Waqar Siddhu

\_\_\_\_\_ states that as a process executes it moves from locality to locality.

out of

VuAnswers.com

Answer ( Please select your correct option )

Working Set Model

Page Fault Frequency

Locality of Reference

None of the given options

Made by: Waqar Siddhu

A modification of free-list approach in free space management is to store the addresses of n free blocks in the first free block is known as \_\_\_\_\_.

out of

Answer ( Please select your correct option )

VuAnswers.com

counting

linked list

bit vector

grouping



Made by: Waqar Siddhu

\_\_\_\_\_ commands in Linux is used to copy file

Answer ( Please select your correct option )

VuAnswers.com

ls

cp

ans

mv

mkdir

Made by: Waqar Siddhu

You can use the `rm file1` command to \_\_\_\_\_ `file1`.

out of

Answer ( Please select your correct option )

VuAnswers.com

Retrieve

Make

Modify

Remove

Made by: Waqar Siddhu

A parent process calling \_\_\_\_\_ system call will be suspended until children process terminates.

Answer ( Please select your correct option )

VuAnswers.com

wait

ans

fork

exit

exec

Made by: Waqar Siddhu

-----are used for communication between unrelated processes on a system.

Answer ( Please select your correct option )

VuAnswers.com

Pipes

Named pipe (FIFO):

ans

BSD Sockets

none of the given options

Made by: Waqar Siddhu

\_\_\_\_\_ wastes CPU cycles and hence a problem in real multiprogramming system.

Answer ( Please select your correct option )

VuAnswers.com

Busy waiting

ans

Semaphore

Critical section

Mutex

Made by: Waqar Siddhu

High-level synchronization construct that allows the safe sharing of an abstract data type among concurrent processes is called a -----

Answer ( Please select your correct option )

VuAnswers.com

Read/Write Lock

Swap

Semaphore

Monitor

ans

Made by: Waqar Siddhu

We want a page replacement algorithm with the \_\_\_\_\_ page-fault rate.

Answer ( Please select your correct option )

VuAnswers.com

Highest

Lowest

ans

Normal

None of the given

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\_\_\_\_\_ is used to point to the size of a process.

Answer ( Please select your correct option )

VuAnswers.com

Base register

Limit register

Stack pointer

None of the given



Made by: Waqar Siddhu

A binary semaphore \_\_\_\_\_.

Answer ( Please select your correct option )

VuAnswers.com

has the values one or zero.

ans

is essential to binary computers.

is a deadlock scheme.

None of the given.

Made by: Waqar Siddhu

In one of the deadlock prevention methods, impose a total ordering of all resource types, and require that each process requests resources in an increasing order of enumeration. This violates the \_\_\_\_\_ condition of deadlock

Answer ( Please select your correct option )

VuAnswers.com

Mutual exclusion

Hold and Wait

Circular Wait

ans

No Preemption Right

Made by: Waqar Siddhu

Which of the following is NOT a valid deadlock prevention scheme?

VuAnswers.com

Answer ( Please select your correct option )

Release all resources before requesting a new resource

Number the resources uniquely and never request a lower numbered resource than the last one requested.

Never request a resource after releasing any resource

Request and all required resources be allocated before execution.

Made by: Waqar Siddhu

Where does the swap space reside ?

VuAnswers.com

Answer ( Please select your correct option )

RAM

and

Disk

ROM

On-chip cache

Made by: Waqar Siddhu

Command-line interpreter is often known as the -----

Answer ( Please select your correct option )

VuAnswers.com

register

shell

ans

kernel

timer

Made by: Waqar Siddhu

You can suspend a foreground process by pressing ----- key press

Answer ( Please select your correct option )

VuAnswers.com

<Ctrl-A>

<Ctrl-C>

<Ctrl-Z>

ans

None of the given options

Made by: Waqar Siddhu

Preemptive scheme of Short job first scheduling is known as -----

VuAnswers.com

Answer ( Please select your correct option )

First Come First Serve Scheduling

Shortest-Remaining-Time-First

Priority Scheduling

ans

Round-Robin Scheduling

Made by: Waqar Siddhu

Wait and signal operations of semaphores were originally termed -----

Answer ( Please select your correct option )

VuAnswers.com

P and V respectively.

and

V and P respectively.

P and P respectively.

V and V respectively.

Made by: Waqar Siddhu

A -----is a region of code where shared resources are accessed.

Answer ( Please select your correct option )

VuAnswers.com

deadlock

critical region

ans

process

thread

Made by: Waqar Siddhu

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