

CS604 Final Term Papers By Waqar (File 3)

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

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

ans

No preemption

Circular wait

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Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

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

ans

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Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

The most important property of the working set is its _____.

Answer (Please select your correct option)

VuAnswers.com

delay

thrashing

time

size

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Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

In _____, the library files are linked at load time.

Answer (Please select your correct option)

VuAnswers.com

Static Linking

ans

Dynamic Linking

Non of these

both of these

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Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

Intel 80386 used paged segmentation with _____ level paging.

Answer (Please select your correct option)

VuAnswers.com

One

ans

Two

Three

Four

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Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Page Fault

ans

Page replacement

Segmentation

Paging

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Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

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

ans

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Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

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

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Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

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

ans

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Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

The main disadvantage of semaphore is

Context switching

Busy waiting

Synchronization

None of the given options

ans

VuAnswers.com

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Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

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).

no idea

Answer (Please select your correct option)

Mutual exclusion

Deadlock

Release

Lock

VuAnswers.com

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Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Deadlocks can be described more precisely in terms of

Directed Graph

Critical path

Resource allocation graph

Mixed graph

ans

VuAnswers.com

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Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

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

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

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Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

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

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Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

VuAnswers.com

. (dot)

ans

(hash)

/ (slash)

~ (tilt)

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Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

VuAnswers.com

- open()
- read()
- write()
- close()

ans

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Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ 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

ans

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Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Linux is a version of

Answer (Please select your correct option)

VuAnswers.com

- Windows
- Solaris
- Unix
- Mac

ans

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Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

Memory can be protected by using

- Base register and program counter
- Base register and memory address register
- Base register and Limit register
- Limit register and program counter

VuAnswers.com

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Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

Round robin is very good for _____ where response is an important issue

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

VuAnswers.com

ans

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Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

Semaphore can be used for solving _____.

- Wait & signal
- Deadlock
- Synchronization
- Priority

VuAnswers.com

ans

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Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

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

ans

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Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

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.

i think.....

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Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ page replacement algorithm suffers from Belady's anomaly.

Answer (Please select your correct option)

VuAnswers.com

LRU

MRU

FIFO

LIFO

ans

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Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Thrashing _____.

ni ata

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

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Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

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

ans

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Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Where does the swap space reside ?

Answer (Please select your correct option)

VuAnswers.com

- RAM
- Disk
- ROM
- On-chip cache

ans

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Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ 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

ans

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Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

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.

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Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

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

ans

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Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

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

ans is

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Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

Variable names are ----- addresses

Answer (Please select your correct option)

VuAnswers.com

- Physical
- Relocatable
- Relative
- Symbolic

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Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

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
- Logical address space
- None of the given options

ans

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Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

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

ans

Pages, Frames

Frames, holes

Holes, segments

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Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

-----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

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Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

In _____ allocation scheme free frames are equally divided among processes

Answer (Please select your correct option)

VuAnswers.com

Fixed Allocation

ans

Propotional Allocation

Priority Allocation

None of the given options

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Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ 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

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Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

The _____ 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

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Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

The Operating system is a layer of software between _____ and _____

Answer (Please select your correct option)

VuAnswers.com

Hardware, software application

ans

Kernel, hardware

Dos, Windows

Windows, Kernel

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Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

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Mutual Exclusion

Deadlock

Bounded Waiting

All of the given options are correct

ans

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