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CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
WHATSAPP & CALL: 03087122922

(Final Term Past Paper)

MADE AND SOLVED BY TEAM HADI

WARNING: Team HADI is not responsible for any mistake or wrong answer. All students reading and using this document may check and confirm the answers at their own.



WhatsApp: 03087122922



FACEBOOK ID: <https://www.facebook.com/hadipastpapers/>

Best of luck!



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

noooooo ideaaaaa

Answer (Please select your correct option)

Addressing

Binding

Routing

Memory



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Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

Execution

Loading

Address Binding

ans

Compiling



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Question No : 8 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)

Process address space

Physical address space

ans

Logical address space

None of the given options



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Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

2

3

4

ans

5



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Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

Physical memory

ROM

Virtual Memory

ans

None of the given options



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Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ 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)

Least Frequently Used algorithm

ans

Page Buffering Algorithm

None of the given options

Most Frequently Used algorithm



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

Answer (Please select your correct option)

Increases

ans

Decreases

Increases or Decreases

None of the given options



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Question No : 13 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)

- Directory
- Character-special file
- Ordinary File
- Link File

ans out of lectues



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Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ brings all the pointers to the block together into a disk block.

Answer (Please select your correct option)

Indexed Allocation

ans

None of the given options

Linked Allocation

Contiguous Allocation



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Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

Scan

SSTF

Look

C-Look



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Question No : 16 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)

- Mutual Exclusion
- Deadlock
- Bounded Waiting
- All of the given options are correct

ans



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Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

A process is _____ if it is spending more time on paging

Answer (Please select your correct option)

- Thrashing ans
- Demand paging
- Paging
- Fixed Allocation



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Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

Internal fragmentation

ans

External fragmentation

Paging

MVT



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Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

External Fragmentation takes place in _____

Answer (Please select your correct option)

Multiprogramming with Variable Tasks (MVT)

Multiprogramming with Fixed Tasks (MFT)

ans

Multi-tasking

Paging



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Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

To eliminate external fragmentation in segmentation the scheme used is _____.

Answer (Please select your correct option)

Fixed size partition scheme

Variable size partition scheme

and

Fixed size paging scheme

Variable size paging scheme



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In paged segmentation, the logical address is legal if d is _____ segment length.

Answer (Please select your correct option)

Less than

ans

Greater than

Equal to

Greater than or equal to



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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)

mmap()

ans

fork ()

exec()

read()



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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)

Semaphore
ans

Monitor

Critical region

Critical section



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Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

User interface

Hardware

ans

Kernel

None of the given options



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Question No : 25 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)

- Fixed
- Proportional
- Priority
- All of the given

ans



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Question No : 26 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).

Answer (Please select your correct option)

Mutual exclusion

Deadlock

Release

Lock



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Question No : 28 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)

counting

linked list

bit vector

grouping



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Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ commands in Linux is used to copy file

Answer (Please select your correct option)

- ls
- cp ans
- mv
- mkdir



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You can use the rm file1 command to _____ file1.

out of

Answer (Please select your correct option)

Retrieve

Make

Modify

Remove



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Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

wait

ans

fork

exit

exec



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

Answer (Please select your correct option)

- Pipes
- Named pipe (FIFO):
ans
- BSD Sockets
- none of the given options



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Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

Busy waiting

ans

Semaphore

Critical section

Mutex



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Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

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)

Read/Write Lock

Swap

Semaphore

Monitor

ans



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Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

- Highest
- Lowest
- Normal
- None of the given

ans

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Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is used to point to the size of a process.

Answer (Please select your correct option)

Base register

Limit register

Stack pointer

None of the given



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A binary semaphore_____.

Answer (Please select your correct option)

- has the values one or zero.
ans
- is essential to binary computers.
- is a deadlock scheme.
- None of the given.



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Question No : 38 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)

Mutual exclusion

Hold and Wait

Circular Wait

No Preemption Right

ans



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Question No : 39 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)

- 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.



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Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Where does the swap space reside ?

Answer (Please select your correct option)

- RAM and
- Disk
- ROM
- On-chip cache



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Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

register

shell

ans

kernel

timer



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Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

- <Ctrl-A>
- <Ctrl-C>
- <Ctrl-Z> **ans**
- None of the given options



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Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

First Come First Serve Scheduling

Shortest-Remaining-Time-First

Priority Scheduling **ans**

Round-Robin Scheduling



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Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

P and V respectively.

and

V and P respectively.

P and P respectively.

V and V respectively.



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Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

- deadlock
- critical region
- process
- thread

ans



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