



VU-Tech Soft



**CS604 - Operating Systems
Grand Quiz 2020 (Covid-19)
100% Confirm
Solved By VU-Tech-Soft**



Sonunly

aghal



CS604:GRAND QUIZ - Mid Term

Question # 1 of 30 (Start time: 04:52:26 PM, 04 July 2020)

The section of code before the critical section is called _____

Select the correct option

- | | |
|----------------------------------|-------------------|
| <input checked="" type="radio"/> | Entry section |
| <input type="radio"/> | Remainder section |
| <input type="radio"/> | Exit section |
| <input type="radio"/> | Crystal section |



Question # 2 of 30 (Start time: 04:53:43 PM, 04 July 2020)

An operating system is easily portable between varying hardware designs in _____ structural approach.

Select the correct option

- Layered
- Micro kernels
- Virtual Machines
- Simple



Sol

Question # 3 of 30 (Start time: 04:55:20 PM, 04 July 2020)

The _____ approach include the ease of extending the OS.

Select the correct option

- | | |
|----------------------------------|-------------------|
| <input type="radio"/> | Monolithic Kernel |
| <input checked="" type="radio"/> | Micro Kernel |
| <input type="radio"/> | Macro Kernel |
| <input type="radio"/> | Small Kernel |

Question # 4 of 30 (Start time: 04:56:05 PM, 04 July 2020)

Which of the following information is not displayed with top command?

Select the correct option

- Number of threads in a process
- CPU Usage
- Top processes
- Nice value

Question # 5 of 30 (Start time: 04:57:35 PM, 04 July 2020)

_____ processes or threads often need access to shared data and shared resources.

Select the correct option

- | | |
|----------------------------------|------------|
| <input type="radio"/> | Parallel |
| <input checked="" type="radio"/> | Concurrent |
| <input type="radio"/> | Single |
| <input type="radio"/> | Temporary |





Question # 6 of 30 (Start time: 04:58:11 PM, 04 July 2020)

To terminate a process <ctrl-c> is pressed, which signal it actually pass to process for termination?

Select the correct option

- | | |
|----------------------------------|---------|
| <input type="radio"/> | SIGTERM |
| <input checked="" type="radio"/> | SIGINT |
| <input type="radio"/> | SIGKILL |
| <input type="radio"/> | SIGTRAP |





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Question # 7 of 30 (Start time: 04:58:32 PM, 04 July 2020)

UNIX System V scheduling uses queues, which run _____ algorithm.

Select the correct option

- | | |
|----------------------------------|-------------------------------|
| <input type="radio"/> | First Come First Serve |
| <input checked="" type="radio"/> | Round Robin |
| <input type="radio"/> | Shortest Job First |
| <input type="radio"/> | Shortest Remaining Time First |



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Question # 8 of 30 (**Start time: 04:58:54 PM, 04 July 2020**)

First _____ entries in Per Process File Descriptor Table are used as soon as the process is created.

Select the correct option

- 1
- 2
- 3
- 4



Question # 9 of 30 (Start time: 05:00:19 PM, 04 July 2020)

Which part of the computer system helps in managing the file and memory management system?

Select the correct option

- | | |
|-------------------------------------|----------------------|
| <input checked="" type="checkbox"/> | Operating System |
| <input type="checkbox"/> | Device Drivers |
| <input type="checkbox"/> | Application Software |
| <input type="checkbox"/> | Hardware |

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Question # 10 of 30 (Start time: 05:01:07 PM, 04 July 2020)

Batch programs are usually _____ programs.

Select the correct option

- | | |
|-------------------------------------|-----------------|
| <input type="radio"/> | Interactive |
| <input checked="" type="checkbox"/> | Non-interactive |
| <input type="radio"/> | Foreground |
| <input type="radio"/> | Preemptive |



2020-2021 SEM 2 - MID TERM

Question # 11 of 30 (Start time: 05:01:59 PM, 04 July 2020)

For undivided and uninterrupted testing and setting of semaphore, uni-processor systems tend to _____.

Select the correct option

- Disable interrupts
- Use bakery algorithm
- Use spinlock
- Use signal





Question # 12 of 30 (Start time: 05:03:39 PM, 04 July 2020)

Total Marks:

CPU bound processes are scheduled before short or I/O bound processes in _____ scheduling, therefore, resulting in less CPU and device utilization.

Select the correct option

- | | | |
|----------------------------------|-------------------------------|----|
| <input type="radio"/> | Shortest Job First | // |
| <input type="radio"/> | Shortest Remaining Time First | // |
| <input checked="" type="radio"/> | First Come First Serve | // |
| <input type="radio"/> | Round-Robin | // |

Sonu

CS604:GRAND QUIZ - Mid Term**Question # 13 of 30 (Start time: 05:04:54 PM, 04 July 2020)**

_____ is a solution to critical section problem.

Select the correct option

- | | |
|----------------------------------|----------------------------|
| <input type="radio"/> | Banker's algorithm |
| <input checked="" type="radio"/> | Lamport's bakery algorithm |
| <input type="radio"/> | Safety algorithm |
| <input type="radio"/> | Dijkstra's algorithm |



Question # 14 of 30 (Start time: 05:05:46 PM, 04 July 2020)

Tot

Performance measures of scheduling algorithms are calculated with _____ using Gantt charts, in order to evaluate an algorithm for a particular workload.

Select the correct option

- Simulation
- Analytic evaluation
- Deterministic modelling
- Queuing Models

Sonu

Question # 15 of 30 (Start time: 05:07:09 PM, 04 July 2020)

In multi-threaded process thread () take two argument, they are used to take _____ and _____.

Select the correct option

- Program counter value, address space limit
- New thread ID, process name
- Register count, program counter
- New thread function name, new thread ID

Solink



Question # 16 of 30 (Start time: 05:08:12 PM, 04 July 2020)

To prevent a process from keeping CPU for too long, control is shifted to another ready process by invoking a timer _____.

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | When running process finishes its task |
| <input type="radio"/> | Every time a free space is available in main memory |
| <input type="radio"/> | Every time a process finishes its time slice |
| <input checked="" type="radio"/> | When running process makes a system call |

Sonika

Question # 17 of 30 (Start time: 05:09:37 PM, 04 July 2020)

Which scheduling algorithm allocates the CPU first to the process that requests the CPU first?

Select the correct option

- | | |
|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | First-come, First-served scheduling |
| <input type="checkbox"/> | Shortest job scheduling |
| <input type="checkbox"/> | Priority scheduling |
| <input type="checkbox"/> | None of the mentioned |



Question # 18 of 30 (Start time: 05:10:16 PM, 04 July 2020)

In Bakery algorithm, processes are prioritized based on highest ticket number among competing processes.

Select the correct option

<input type="radio"/>	True
<input checked="" type="checkbox"/>	False

So...



Question # 19 of 30 (Start time: 05:11:20 PM, 04 July 2020)

The solution type where in critical section we use "entry section and "exit section" is called kind of _____.

Select the correct option

- | | |
|----------------------------------|---------------------------|
| <input type="radio"/> | Hardware Solution |
| <input type="radio"/> | Assumption |
| <input checked="" type="radio"/> | Software Solution |
| <input type="radio"/> | Operating System solution |

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Question # 20 of 30 (Start time: 05:12:38 PM, 04 July 2020)

How many modes are supported in operating system?

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | 1 |
| <input checked="" type="radio"/> | 2 |
| <input type="radio"/> | 3 |
| <input type="radio"/> | 4 |



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Question # 21 of 30 (**Start time: 05:14:09 PM, 04 July 2020**)

Which of the following is used to show the end of file in unix?

Select the correct option

- | | |
|----------------------------------|--------|
| <input type="radio"/> | Ctrl+A |
| <input type="radio"/> | Ctrl+D |
| <input type="radio"/> | Ctrl+O |
| <input checked="" type="radio"/> | Ctrl+E |

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Question # 22 of 30 (**Start time: 05:15:55 PM, 04 July 2020**)

_____ scheduler selects the process from the job pool and put them in main memory.

Select the correct option

- | | |
|-------------------------------------|-------------|
| <input checked="" type="checkbox"/> | Long term |
| <input type="checkbox"/> | Short term |
| <input type="checkbox"/> | Medium term |
| <input type="checkbox"/> | Swapper |



Question # 23 of 30 (Start time: 05:17:16 PM, 04 July 2020)

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

Select the correct option

- | | |
|-------------------------------------|------|
| <input checked="" type="checkbox"/> | Wait |
| <input type="checkbox"/> | Fork |
| <input type="checkbox"/> | Exit |
| <input type="checkbox"/> | Exec |





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Question # 24 of 30 (**Start time: 05:18:24 PM, 04 July 2020**)

A time sharing system is

Select the correct option

- | | |
|----------------------------------|---------------|
| <input type="radio"/> | Multi user |
| <input type="radio"/> | Multi tasking |
| <input type="radio"/> | Interactive |
| <input checked="" type="radio"/> | All of these |



Question # 25 of 30 (Start time: 05:18:51 PM, 04 July 2020)

While using the read/write system call which data type is use to return the size of file to buffer from file descriptor fd?

Select the correct option

- Pipefd
- SIZE_MAX
- FIFO
- Ssize_t



Question # 26 of 30 (Start time: 05:20:08 PM, 04 July 2020)

Total Marks:

In process management, some of the jobs can be suspended for some time in order to give other jobs a chance to be in execution. Which command can be used to place back a suspended program?

Select the correct option

- Fg
- Top
- Ps
- Bg

Sonu

Question # 27 of 30 (Start time: 05:20:53 PM, 04 July 2020)

Pipes simply used on the command line to connect the standard input of one process to the standard input of another. Which of the following syntax is correct use of command line Linux /UNIX pipes?

Select the correct option

- | | |
|----------------------------------|-------------------------------|
| <input type="radio"/> | cmd1 % cmd2% %cmdN |
| <input checked="" type="radio"/> | cmd1 cmd2 cmdN |
| <input type="radio"/> | cmd1 \$ cmd2 \$ \$ cmdN |
| <input type="radio"/> | cmd1 & cmd2 && cmdN |

Question # 28 of 30 (**Start time: 05:21:38 PM, 04 July 2020**)

_____ is used to request the OS by the process to take an I/O or initiating child process.

Select the correct option

- | | |
|----------------------------------|-------------|
| <input checked="" type="radio"/> | System call |
| <input type="radio"/> | Interrupt |
| <input type="radio"/> | Trap |
| <input type="radio"/> | Signal |





CS604:GRAND QUIZ - Mid Term

Question # 29 of 30 (**Start time: 05:22:55 PM, 04 July 2020**)

which is not basic computing hardware?

Select the correct option

- | | |
|----------------------------------|--------------|
| <input type="radio"/> | CPU |
| <input type="radio"/> | Memory |
| <input checked="" type="radio"/> | Compact Disc |
| <input type="radio"/> | I/O Devices |



CS604:GRAND QUIZ - Mid Term

Question # 29 of 30 (**Start time: 05:22:55 PM, 04 July 2020**)

which is not basic computing hardware?

Select the correct option

- | | |
|----------------------------------|--------------|
| <input type="radio"/> | CPU |
| <input type="radio"/> | Memory |
| <input checked="" type="radio"/> | Compact Disc |
| <input type="radio"/> | I/O Devices |



Question # 30 of 30 (Start time: 05:23:55 PM, 04 July 2020)

Total Marks: 1

Consider a system of N processes (Po, P1 Pn-1). Each process in its critical section and the process may be changing common variables, updating a table, writing a file etc. No other process is allowed to execute in its critical section. This problem is called -----

Select the correct option

- Bakery algorithm
- N-Mutual exclusion
- N-Process Critical Section
- Deadlock algorithm

Sonu

Question # 1 of 30 (Start time: 06:01:01 PM, 04 July 2020)

Batch programs are usually _____ programs.

Select the correct option

- | | |
|----------------------------------|-----------------|
| <input type="radio"/> | Interactive |
| <input checked="" type="radio"/> | Non-interactive |
| <input type="radio"/> | Foreground |
| <input type="radio"/> | Preemptive |

Question # 2 of 30 (Start time: 06:01:50 PM, 04 July 2020)

You can use the mv file1 file2 command to move _____

Select the correct option

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | file1 to file2. |
| <input type="checkbox"/> | file 2 to file 1 |
| <input type="checkbox"/> | this command will not work for moving files |
| <input type="checkbox"/> | None of the option is correct. |

Question # 3 of 30 (Start time: 06:03:20 PM, 04 July 2020)

The _____ defines an operating system as a bridge between computer user and hardware for a user's convenience.

Select the correct option

- | | |
|----------------------------------|----------------|
| <input type="radio"/> | System-view |
| <input checked="" type="radio"/> | Bottom-up view |
| <input type="radio"/> | Top-down view |
| <input type="radio"/> | Layered-view |



Question # 4 of 30 (Start time: 06:04:56 PM, 04 July 2020)

The section of code before the critical section is called _____

Select the correct option

- | | |
|----------------------------------|-------------------|
| <input checked="" type="radio"/> | Entry section |
| <input type="radio"/> | Remainder section |
| <input type="radio"/> | Exit section |
| <input type="radio"/> | Crystal section |



Question # 5 of 30 (Start time: 06:05:17 PM, 04 July 2020)

_____ are used by shell commands to pass data from one shell pipeline to another, without creating temporary files.

Select the correct option

- Pipes
- Message Queues
- BSD Sockets
- FIFOs

Solme



Question # 5 of 30 (Start time: 06:05:17 PM, 04 July 2020)

_____ are used by shell commands to pass data from one shell pipeline to another, without creating temporary files.

Select the correct option

- Pipes
- Message Queues
- BSD Sockets
- FIFOs



Scanned with



Question # 6 of 30 (Start time: 06:06:47 PM, 04 July 2020)

_____ system call is used to create a child process.

Select the correct option

- | | |
|----------------------------------|-------------------|
| <input checked="" type="radio"/> | Fork |
| <input type="radio"/> | Parent |
| <input type="radio"/> | Child |
| <input type="radio"/> | None of the Given |



Question # 7 of 30 (Start time: 06:07:14 PM, 04 July 2020)

The problem with priority scheduling algorithm is _____.

Select the correct option

- | | |
|----------------------------------|------------|
| <input type="radio"/> | Deadlock |
| <input checked="" type="radio"/> | Starvation |
| <input type="radio"/> | Aging |
| <input type="radio"/> | Nice value |



Question # 8 of 30 (Start time: 06:07:59 PM, 04 July 2020)

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

Select the correct option

- Operating system
- Application software
- All Software
- All of the given

Sonika



Question # 9 of 30 (Start time: 06:08:58 PM, 04 July 2020)

1

If your processor does not have two slots empty in Per Process File Descriptor Table, then your _____ system call will fail.

Select the correct option

- Pipe
- Read
- Write
- Open

Sonika

Question # 11 of 30 (Start time: 06:10:47 PM, 04 July 2020)

Which of the following are TRUE for direct communication?

Select the correct option

- | | |
|----------------------------------|--|
| <input type="radio"/> | A communication link can be associated with N number of process($N = \text{max. number of processes supported by system}$) |
| <input checked="" type="radio"/> | A communication link can be associated with exactly two processes |
| <input type="radio"/> | Exactly $N/2$ links exist between each pair of processes($N = \text{max. number of processes supported by system}$) |
| <input type="radio"/> | Exactly two link exists between each pair of processes |

Some

Question # 13 of 30 (Start time: 06:12:20 PM, 04 July 2020)

UNIX System V scheduling uses queues, which run _____ algorithm.

Select the correct option

- | | |
|----------------------------------|-------------------------------|
| <input type="radio"/> | First Come First Serve |
| <input checked="" type="radio"/> | Round Robin |
| <input type="radio"/> | Shortest Job First |
| <input type="radio"/> | Shortest Remaining Time First |

Question # 14 of 30 (Start time: 06:12:38 PM, 04 July 2020)

POSIX is a standard developed by _____

Select the correct option

- | | |
|----------------------------------|------|
| <input type="radio"/> | ANSI |
| <input type="radio"/> | IEEE |
| <input checked="" type="radio"/> | ISO |
| <input type="radio"/> | ACM |



Question # 15 of 30 (Start time: 06:13:29 PM, 04 July 2020)

Total Marks: 1

Keep in mind scheduling algorithm, when you go to any famous fast food franchise .On entering the store, each customer receives a number. The customer with the lowest number is served next. This algorithm is called-----.

Select the correct option

- | | | |
|----------------------------------|--------------------|----|
| <input type="radio"/> | Dijkstra algorithm | // |
| <input type="radio"/> | Simple algorithm | // |
| <input type="radio"/> | Deadlock algorithm | // |
| <input checked="" type="radio"/> | Bakery algorithm | // |

Sonu 12

Question # 16 of 30 (Start time: 06:14:33 PM, 04 July 2020)

Which scheduling algorithm allocates the CPU first to the process that requests the CPU first?

Select the correct option

- | | |
|----------------------------------|-------------------------------------|
| <input checked="" type="radio"/> | First-come, First-served scheduling |
| <input type="radio"/> | Shortest job scheduling |
| <input type="radio"/> | Priority scheduling |
| <input type="radio"/> | None of the mentioned |

50

Question # 17 of 30 (Start time: 06:14:48 PM, 04 July 2020)

_____ command displays the contents of current working directory.

Select the correct option

- | | |
|----------------------------------|----|
| <input checked="" type="radio"/> | ls |
| <input type="radio"/> | cs |
| <input type="radio"/> | mv |
| <input type="radio"/> | cp |

Question # 18 of 30 (Start time: 06:15:24 PM, 04 July 2020)

_____ command display the status of a process.

Select the correct option

- | | |
|----------------------------------|-----|
| <input type="radio"/> | ls |
| <input checked="" type="radio"/> | ps |
| <input type="radio"/> | gcc |
| <input type="radio"/> | cat |

Question # 19 of 30 (Start time: 06:16:33 PM, 04 July 2020)

Bounded Buffer is a buffer of _____ size

Select the correct option

- | | |
|----------------------------------|----------|
| <input type="radio"/> | Variable |
| <input checked="" type="radio"/> | Fixed |



Question # 20 of 30 (Start time: 06:17:11 PM, 04 July 2020)

The wait operation of the semaphore basically works on the basic _____ system call.

Select the correct option


- | | |
|----------------------------------|---------|
| <input type="radio"/> | stop() |
| <input checked="" type="radio"/> | block() |
| <input type="radio"/> | hold() |
| <input type="radio"/> | wait() |

Question # 21 of 30 (Start time: 06:18:15 PM, 04 July 2020)

Priority scheduling cannot be pre-emptive.

Select the correct option

<input type="radio"/>	True
<input checked="" type="radio"/>	False





Question # 22 of 30 (Start time: 06:19:33 PM, 04 July 2020)

Total Marks: 1

Processes P1, P2, P3, P4 enter the ready queue at times 0, 3, 3, 11 with burst times P1=8, P2=2, P3=1, P4=1. With Shortest Remaining Time First, _____ process is given CPU at time T=3.

Select the correct option

- | | | |
|----------------------------------|----|----|
| <input type="radio"/> | P1 | // |
| <input type="radio"/> | P2 | // |
| <input type="radio"/> | P3 | // |
| <input checked="" type="radio"/> | P4 | // |

Sonu 12/11



Question # 23 of 30 (Start time: 06:21:00 PM, 04 July 2020)

Total Marks: 1

Processes P1, P2, P3 having burst times P1=3, P2=4, P3=3 and turnaround times P1=7, P2=10, P3=9 enter the ready queue at T=0. With RR scheduling, waiting time for process P2 would be _____.

Select the correct option

- 4
- 0
- 3
- 6

Sonu 12



Question # 24 of 30 (Start time: 06:22:27 PM, 04 July 2020)

Four processes P1, P2, P3, P4 enter the ready queue at time 0 with burst times P1=3, P2=10, P3=4. Waiting time of P3 would be _____.

Select the correct option

- 12
- 13
- 14
- 17

Some



Question # 25 of 30 (Start time: 06:23:55 PM, 04 July 2020)

While a process executes its critical section, other entering processes loop in a continual fashion in their entry sections, thus causing _____.

Select the correct option

- | | |
|----------------------------------|------------------|
| <input checked="" type="radio"/> | Bounded waiting |
| <input type="radio"/> | Busy waiting |
| <input type="radio"/> | Race condition |
| <input type="radio"/> | Mutual exclusion |

Some



Question # 26 of 30 (Start time: 06:24:37 PM, 04 July 2020)

When a process P1 switches from the running state to the waiting state because an I/O request is being completed .This scheduling is called-----

Select the correct option

- | | |
|----------------------------------|----------------|
| <input type="radio"/> | Non preemptive |
| <input type="radio"/> | Switching |
| <input type="radio"/> | Termination |
| <input checked="" type="radio"/> | Preemptive |

Sonm

Question # 27 of 30 (Start time: 06:26:03 PM, 04 July 2020)

Consider three processes in scheduling .Here are the waiting times for the three processes
 $P1 = 5$; $P2 = 10$; $P3 = 3$. Which one of the following is correct average waiting time per process?

Select the correct option

- | | |
|----------------------------------|----|
| <input type="radio"/> | 3 |
| <input type="radio"/> | 2 |
| <input type="radio"/> | 18 |
| <input checked="" type="radio"/> | 6 |

Question # 28 of 30 (Start time: 06:26:49 PM, 04 July 2020)

The priority of a process can be changed using _____ command.

Select the correct option

- | | |
|----------------------------------|------|
| <input checked="" type="radio"/> | nice |
| <input type="radio"/> | cmd |
| <input type="radio"/> | cat |
| <input type="radio"/> | grep |



Question # 29 of 30 (Start time: 06:27:36 PM, 04 July 2020)

In _____ addressing, the recipient is not required to name the sender.

Select the correct option

- | | |
|----------------------------------|---------------------------------|
| <input type="radio"/> | Symmetric |
| <input checked="" type="radio"/> | Asymmetric |
| <input type="radio"/> | Both (symmetric and asymmetric) |
| <input type="radio"/> | None of the given options |



Question # 1 of 30 (Start time: 06:39:07 PM, 04 July 2020)

The priorities of processes in the _____ group remain fixed.

Select the correct option

- | | |
|----------------------------------|--------|
| <input checked="" type="radio"/> | Kernel |
| <input type="radio"/> | User |

Scanned with



Question # 2 of 30 (Start time: 06:40:03 PM, 04 July 2020)

_____ algorithm is used for solving n-process critical section problem.

Select the correct option

- | | |
|----------------------------------|-------------------|
| <input type="radio"/> | Bankers |
| <input checked="" type="radio"/> | Bakery |
| <input type="radio"/> | Babbles |
| <input type="radio"/> | None of the given |

Question # 3 of 30 (Start time: 06:40:58 PM, 04 July 2020)

The wait operation of the semaphore basically works on the basic _____ system call.

Select the correct option

- | | |
|----------------------------------|---------|
| <input type="radio"/> | stop() |
| <input checked="" type="radio"/> | block() |
| <input type="radio"/> | hold() |
| <input type="radio"/> | wait() |

Question # 4 of 30 (Start time: 06:42:29 PM, 04 July 2020)

The situation in which no context switching is required in multiprocessor systems is referred to as _____ .

Select the correct option

- | | |
|----------------------------------|--------------|
| <input type="radio"/> | Busy Waiting |
| <input checked="" type="radio"/> | Spin lock |
| <input type="radio"/> | Interrupt |
| <input type="radio"/> | Scheduler |

After fork() system call is made, parent and child process have their separate copy of _____.

Select the correct option

- | | |
|-------------------------------------|-------------------------|
| <input type="radio"/> | Environment |
| <input type="radio"/> | Nice value |
| <input type="radio"/> | File mode creation mask |
| <input checked="" type="checkbox"/> | File descriptors |

Soln



Question # 6 of 30 (Start time: 06:43:56 PM, 04 July 2020)

Bounded Buffer is a buffer of _____ size

Select the correct option

<input type="radio"/>	Variable
<input checked="" type="checkbox"/>	Fixed





Question # 7 of 30 (Start time: 06:44:12 PM, 04 July 2020)

In operating system, _____command is used to copy files to same location or different location.

Select the correct option

- | | |
|-------------------------------------|------------------|
| <input type="radio"/> | Copy |
| <input type="radio"/> | Copi |
| <input type="radio"/> | CP |
| <input checked="" type="checkbox"/> | Both Copy and CP |

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CS604:GRAND QUIZ - Mid Term

Quiz :

Question # 7 of 30 (Start time: 06:44:12 PM, 04 July 2020)

In operating system, _____command is used to copy files to same location or different location.

Select the correct option

- Copy
- Copi
- CP
- Both Copy and CP

Scanned with



Question # 8 of 30 (Start time: 06:45:35 PM, 04 July 2020)

Total I

When sender never block because it has an infinite length storage area, then it means it is holding a queue of _____ capacity.

Select the correct option

- Zero
- Unbounded
- Defined
- Bounded

Sonu



CS604:GRAND QUIZ - Mid Term

Question # 9 of 30 (**Start time: 06:46:18 PM, 04 July 2020**)

_____ scheduling algorithm can be preemptive or non-preemptive.

Select the correct option

- | | |
|----------------------------------|------------------------|
| <input type="radio"/> | First Come First Serve |
| <input checked="" type="radio"/> | Shortest Job First |
| <input type="radio"/> | Round Robin |
| <input type="radio"/> | Priority |

Question # 10 of 30 (Start time: 06:47:23 PM, 04 July 2020)

The _____ process creates two FIFOs, FIFO1 and FIFO2, and opens FIFO1 for reading and FIFO2 for writing.

Select the correct option

- | | |
|-------------------------------------|---------------------------|
| <input checked="" type="checkbox"/> | Server |
| <input type="checkbox"/> | Client |
| <input type="checkbox"/> | Both (Client and Server) |
| <input type="checkbox"/> | None of the given options |

Soln



Question # 11 of 30 (Start time: 06:48:22 PM, 04 July 2020)

Total Marks: 1

In Unix/Linux environment, Ayesha wants to know the complete picture of current processes in her session. Which of the following command will help her in this regard?

Select the correct option

- | | | |
|----------------------------------|---------|----|
| <input checked="" type="radio"/> | \$ ps | // |
| <input type="radio"/> | \$ gcc | // |
| <input type="radio"/> | \$ top | // |
| <input type="radio"/> | \$ fifo | |

Sonu IL,

Question # 12 of 30 (Start time: 06:49:11 PM, 04 July 2020)

In indirect communication between processes P and Q _____

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | There is another process R to handle and pass on the messages between P and Q |
| <input type="radio"/> | There is another machine between the two processes to help communication |
| <input checked="" type="radio"/> | There is a mailbox to help communication between P and Q |
| <input type="radio"/> | None of the mentioned |

Soln



CS604:GRAND QUIZ - Mid Term

Question # 13 of 30 (Start time: 06:49:58 PM, 04 July 2020)

A process is _____ if it cannot affect or be affected by any other process executing in the system.

Select the correct option

<input checked="" type="radio"/>	Independent
<input type="radio"/>	Dependent
<input type="radio"/>	Both (Independent and Dependent)
<input type="radio"/>	None of the given options



CS604:GRAND QUIZ - Mid Term

Question # 14 of 30 (**Start time: 06:50:34 PM, 04 July 2020**)

_____ command is used to change the directory.

Select the correct option

- ls
- cp
- cd
- mv



Question # 15 of 30 (Start time: 06:51:03 PM, 04 July 2020)

In producer-Consumer problem synchronization is required. On which shared area this synchronization actually affect?

Select the correct option

- | | |
|----------------------------------|---------------|
| <input type="radio"/> | Counter |
| <input checked="" type="radio"/> | Buffer |
| <input type="radio"/> | Entry section |
| <input type="radio"/> | Exit section |

Sonuz

Question # 16 of 30 (Start time: 06:51:44 PM, 04 July 2020)

The _____ defines an operating system as a bridge between computer user and hardware for a user's convenience.

Select the correct option

- | | |
|----------------------------------|----------------|
| <input type="radio"/> | System-view |
| <input type="radio"/> | Bottom-up view |
| <input checked="" type="radio"/> | Top-down view |
| <input type="radio"/> | Layered-view |

Some



Question # 17 of 30 (Start time: 06:52:41 PM, 04 July 2020)

The nice value helps in assigning _____ to a process.

Select the correct option

- | | |
|-------------------------------------|------------|
| <input checked="" type="checkbox"/> | Priority |
| <input type="checkbox"/> | Weight |
| <input type="checkbox"/> | Time |
| <input type="checkbox"/> | Scheduling |

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Question # 18 of 30 (Start time: 06:52:54 PM, 04 July 2020)

A major problem with priority scheduling algorithms is _____.

Select the correct option

- Deadlock
- Aging
- Starvation
- None of these

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Question # 19 of 30 (Start time: 06:53:08 PM, 04 July 2020)

You can have a thread wait for another thread within the same process by using the _____ system call.

Select the correct option

- | | |
|----------------------------------|------------------|
| <input checked="" type="radio"/> | pthread_join() |
| <input type="radio"/> | pthread_exit() |
| <input type="radio"/> | pthread_create() |
| <input type="radio"/> | None |

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Question # 20 of 30 (Start time: 06:53:48 PM, 04 July 2020)

In Bakery algorithm, processes are prioritized based on highest ticket number among competing processes.

Select the correct option

<input checked="" type="checkbox"/>	True
<input type="checkbox"/>	False

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Question # 21 of 30 (Start time: 06:55:02 PM, 04 July 2020)

_____ scheduler takes the process from the ready queue and assign the CPU with the help of Dispatcher.

Select the correct option

- Long term
- Short term
- Medium term
- Swapper

Sonu



Question # 22 of 30 (Start time: 06:55:18 PM, 04 July 2020)

In Unix/ Linux, by default the standard output file is attached to the _____

Select the correct option

- File
- Screen
- Printer
- Scanner

Question # 23 of 30 (Start time: 06:55:36 PM, 04 July 2020)

A thread shares its resources (like data section, code section, open files, signals) with _____.

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | Other process similar to the one that the thread belongs to |
| <input type="radio"/> | Other threads that belong to similar processes |
| <input checked="" type="radio"/> | Other threads that belong to the same process |
| <input type="radio"/> | All of the mentioned |

50



Question # 24 of 30 (Start time: 06:56:36 PM, 04 July 2020)

CPU bound processes are scheduled before short or I/O bound processes in _____ scheduling, therefore, resulting in less CPU and device utilization.

Select the correct option

- Shortest Job First
- Shortest Remaining Time First
- First Come First Serve
- Round-Robin

Sonu,



Question # 24 of 30 (Start time: 06:56:36 PM, 04 July 2020)

CPU bound processes are scheduled before short or I/O bound processes in _____ scheduling, therefore, resulting in less CPU and device utilization.

Select the correct option

- Shortest Job First
- Shortest Remaining Time First
- First Come First Serve
- Round-Robin

Sonu,



Question # 24 of 30 (Start time: 06:56:36 PM, 04 July 2020)

CPU bound processes are scheduled before short or I/O bound processes in _____ scheduling, therefore, resulting in less CPU and device utilization.

Select the correct option

- | | |
|----------------------------------|-------------------------------|
| <input type="radio"/> | Shortest Job First |
| <input type="radio"/> | Shortest Remaining Time First |
| <input checked="" type="radio"/> | First Come First Serve |
| <input type="radio"/> | Round-Robin |

 [Click to Save Answer & Move](#)

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CS604:GRAND QUIZ - Mid Term

Question # 25 of 30 (**Start time: 06:57:46 PM, 04 July 2020**)

You can use the mv file1 file2 command to move _____

Select the correct option

- | | |
|----------------------------------|---|
| <input checked="" type="radio"/> | file1 to file2. |
| <input type="radio"/> | file 2 to file 1 |
| <input type="radio"/> | this command will not work for moving files |
| <input type="radio"/> | None of the option is correct. |



Question # 26 of 30 (Start time: 06:58:32 PM, 04 July 2020)

Total Marks: 1

Kill command is used to terminate a process. The syntax of the command is kill [-signal] PID When executed without a signal number, the command sends the _____ signal to the process.

Select the correct option

- | | | |
|----------------------------------|---------------------------|----|
| <input type="radio"/> | SIGINT | // |
| <input checked="" type="radio"/> | SIGKILL | // |
| <input type="radio"/> | SIGTERM | // |
| <input type="radio"/> | None of the given options | // |

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CS604:GRAND QUIZ - Mid Term

Question # 27 of 30 (Start time: 07:00:04 PM, 04 July 2020)

Swapper is also termed as Short term scheduler.

Select the correct option

<input checked="" type="radio"/>	True
<input type="radio"/>	False

Question # 28 of 30 (Start time: 07:01:03 PM, 04 July 2020)

State of a process transits from running to ready because of _____.

Select the correct option

- | | |
|----------------------------------|--------------------|
| <input type="radio"/> | I/O |
| <input checked="" type="radio"/> | Interrupt |
| <input type="radio"/> | Fork() |
| <input type="radio"/> | Scheduler dispatch |

Question # 29 of 30 (Start time: 07:02:05 PM, 04 July 2020)

Kernel is responsible for scheduling the user level threads.

Select the correct option

<input checked="" type="checkbox"/>	True
<input type="checkbox"/>	False

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CS604:GRAND QUIZ - Mid Term

Question # 30 of 30 (Start time: 07:03:27 PM, 04 July 2020)

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

Select the correct option

- Progress
- Mutual Exclusion
- Bounded Waiting
- Race Condition



Question # 1 of 50 (Start time: 07:46:12 PM, 04 July 2020)

The correct command for compiling C program named program.c in Linux environment is

Select the correct option

- | | |
|----------------------------------|--|
| <input checked="" type="radio"/> | <code>gcc program.c -o FirstPrgram</code> |
| <input type="radio"/> | <code>gcc -o FirstProgram program.c</code> |
| <input type="radio"/> | <code>gcc -z FirstProgram program.c</code> |
| <input type="radio"/> | <code>gcc program.c -m FirstPrgram</code> |

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Question # 2 of 30 (Start time: 07:47:02 PM, 04 July 2020)

The ready queue in RR scheduling algorithm is referred to as _____ .

Select the correct option

- | | |
|----------------------------------|-------------------|
| <input checked="" type="radio"/> | Time Quantum |
| <input type="radio"/> | Circular Queue |
| <input type="radio"/> | Time Slice |
| <input type="radio"/> | None of the Given |

Question # 4 of 30 (Start time: 07:50:13 PM, 04 July 2020)

A _____ is an integer variable that, apart from initialization is accessible only through standard atomic operations.

Select the correct option

- | | |
|----------------------------------|------------------|
| <input type="radio"/> | Mutual Exclusion |
| <input checked="" type="radio"/> | Semaphore |
| <input type="radio"/> | Mutex |
| <input type="radio"/> | Busy Waiting |

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Question # 5 of 30 (Start time: 07:51:01 PM, 04 July 2020)

The link between two processes P and Q to send and receive messages is called _____

Select the correct option

- | | |
|----------------------------------|----------------------|
| <input checked="" type="radio"/> | Communication Link |
| <input type="radio"/> | Message-Passing Link |
| <input type="radio"/> | Synchronization Link |
| <input type="radio"/> | All of the mentioned |



Question # 6 of 30 (Start time: 07:51:29 PM, 04 July 2020)

_____ commands in Linux is used to copy file

Select the correct option

- ls
- cp
- mv
- mkdir





Question # 7 of 30 (Start time: 07:51:46 PM, 04 July 2020)

Total Mark

CPU bound processes are scheduled before short or I/O bound processes in _____ scheduling, therefore, resulting in less CPU and device utilization.

Select the correct option

- | | | |
|----------------------------------|-------------------------------|----|
| <input type="radio"/> | Shortest Job First | // |
| <input type="radio"/> | Shortest Remaining Time First | // |
| <input checked="" type="radio"/> | First Come First Serve | // |
| <input type="radio"/> | Round-Robin | |

Sonuly



Question # 8 of 30 (Start time: 07:53:11 PM, 04 July 2020)

The priorities of processes in the _____ group remain fixed.

Select the correct option

- | | |
|----------------------------------|--------|
| <input checked="" type="radio"/> | Kernel |
| <input type="radio"/> | User |

Soln



QUESTION AND ANSWER TIME

Question # 8 of 30 (Start time: 07:53:11 PM, 04 July 2020)

The priorities of processes in the _____ group remain fixed.

Select the correct option

- | | |
|----------------------------------|--------|
| <input checked="" type="radio"/> | Kernel |
| <input type="radio"/> | User |

Question # 9 of 30 (Start time: 07:53:52 PM, 04 July 2020)

TestAndSet instruction is executed _____

Select the correct option

- After a particular process
- Periodically
- Atomically
- None of the mentioned



Question # 10 of 30 (Start time: 07:54:53 PM, 04 July 2020)

Total M

In process management, some of the jobs can be suspended for some time in order to give other jobs a chance to be in execution. Which command can be used to place back a suspended program?

Select the correct option

- | | |
|----------------------------------|-----|
| <input checked="" type="radio"/> | Fg |
| <input type="radio"/> | Top |
| <input type="radio"/> | Ps |
| <input type="radio"/> | Bg |

Sonu



Question # 11 of 30 (Start time: 07:56:11 PM, 04 July 2020)

As a result of <Ctrl-C>, a SIGINT signal is sent to a process. Signal number for SIGINT is _____.

Select the correct option

- 15
- 1
- 9
- 2

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CS604:GRAND QUIZ - Mid Term

Question # 12 of 30 (Start time: 07:56:54 PM, 04 July 2020)

_____ integer shows the highest priority of a process in CPU scheduling

Select the correct option

- | | |
|----------------------------------|-------|
| <input checked="" type="radio"/> | Small |
| <input type="radio"/> | Large |





CS604.GRAND QUIZ - MID TERM

Question # 14 of 30 (Start time: 07:59:38 PM, 04 July 2020)

All Threads within a process share the _____ address space.

Select the correct option

- | | |
|----------------------------------|-----------|
| <input checked="" type="radio"/> | Same |
| <input type="radio"/> | Different |



CS604.GRAND QUIZ - MID TERM

Question # 14 of 30 (Start time: 07:59:38 PM, 04 July 2020)

All Threads within a process share the _____ address space.

Select the correct option

<input checked="" type="radio"/>	Same
<input type="radio"/>	Different



Question # 15 of 30 (Start time: 08:00:17 PM, 04 July 2020)

System calls provide the interface between a _____ and the Operating system

Select the correct option

- | | |
|----------------------------------|---------|
| <input type="radio"/> | User |
| <input type="radio"/> | Machine |
| <input checked="" type="radio"/> | Process |
| <input type="radio"/> | Kernel |





Question # 16 of 30 (Start time: 08:01:10 PM, 04 July 2020)

If a parent exits before terminating its children processes, these children are handed over to _____ process.

Select the correct option

- | | |
|----------------------------------|---------|
| <input checked="" type="radio"/> | Init |
| <input type="radio"/> | Root |
| <input type="radio"/> | Daemon |
| <input type="radio"/> | Sibling |

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Question # 16 of 30 (Start time: 08:01:10 PM, 04 July 2020)

If a parent exits before terminating its children processes, these children are handed over to _____ process.

Select the correct option

- | | |
|----------------------------------|---------|
| <input checked="" type="radio"/> | Init |
| <input type="radio"/> | Root |
| <input type="radio"/> | Daemon |
| <input type="radio"/> | Sibling |

Sonuz



Question # 17 of 30 (Start time: 08:02:00 PM, 04 July 2020)

If your processor does not have two slots empty in Per Process File Descriptor Table, then your _____ system call will fail.

Select the correct option

- | | |
|----------------------------------|-------|
| <input checked="" type="radio"/> | Pipe |
| <input type="radio"/> | Read |
| <input type="radio"/> | Write |
| <input type="radio"/> | Open |

Soln



CS3004 GRAND QUIZ - MID TERM

Question # 18 of 30 (Start time: 08:03:18 PM, 04 July 2020)

You can have a thread wait for another thread within the same process by using the _____ system call.

Select the correct option

- | | |
|----------------------------------|-------------------------------|
| <input checked="" type="radio"/> | <code>pthread_join()</code> |
| <input type="radio"/> | <code>pthread_exit()</code> |
| <input type="radio"/> | <code>create_thread()</code> |
| <input type="radio"/> | <code>pthread_create()</code> |

SOI

Question # 19 of 30 (Start time: 08:03:48 PM, 04 July 2020)

A solution to critical section problem is successful if it fulfills requirement of Bounded Waiting only.

Select the correct option

<input type="radio"/>	True
<input checked="" type="checkbox"/>	False





Question # 20 of 30 (Start time: 08:04:47 PM, 04 July 2020)

The kernel is _____ user threads.

Select the correct option

- | | |
|----------------------------------|----------------|
| <input type="radio"/> | a part of |
| <input type="radio"/> | the creator of |
| <input checked="" type="radio"/> | unaware of |
| <input type="radio"/> | aware of |





Question # 21 of 30 (Start time: 08:05:21 PM, 04 July 2020)

Tota

_____ is the basis of queuing theory which is branch of mathematics used to analyze systems involving queues and servers.

Select the correct option

- Little's Formula
- Deterministic Modeling
- Queuing Theory
- Queuing analysis

You are screen sharing Stop Share

Sonu



Question # 30 of 30 (Start time: 06:29:07 PM, 04 July 2020)

The _____ process creates two FIFOs, FIFO1 and FIFO2, and opens FIFO1 for reading and FIFO2 for writing.

Select the correct option

- | | |
|-------------------------------------|---------------------------|
| <input checked="" type="checkbox"/> | Server |
| <input type="checkbox"/> | Client |
| <input type="checkbox"/> | Both (Client and Server) |
| <input type="checkbox"/> | None of the given options |

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