

**RIZ MUGHAL**

# QUIZ MASTER

## Grand Quiz(CS604)

100% correct solution.

For more information you can visit my channel and for any type of help related to CS619 you can contact me.



### **YOUTUBE CHANNEL:**

<https://www.youtube.com/channel/UCINsFwDiB62SValCcPDZbRQ/playlists>

### **FACEBOOK GROUP:**

<https://www.facebook.com/groups/923887914750307>

Question # 1 of 30 ( Start time: 05:54:49 AM, 01 January 2021 )

Total Marks: 1

P1, P2, P3, P4, P5 are five processes with ticket numbers P1=1, P2=2, P3=4, P4=2, P5=4 then considering Lamport's bakery algorithm, \_\_\_\_\_ process enters critical section after P1.

Select the correct option

<input checked="" type="radio"/>	P2
<input type="radio"/>	P3
<input type="radio"/>	P4
<input type="radio"/>	P5

Question # 2 of 30 ( Start time: 05:55:08 AM, 01 January 2021 )

Total Marks:

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 checked="" type="radio"/>	P3	//
<input type="radio"/>	P4	//

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Question # 3 of 30 ( Start time: 05:55:24 AM, 01 January 2021 )

\_\_\_\_ 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 |

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## Question # 4 of 30 ( Start time: 05:55:38 AM, 01 January 2021 )

Which of the following statement is not true regarding the Cooperating processes?

## Select the correct option

- |                                  |  |
|----------------------------------|--|
| <input type="radio"/>            | It provides an environment to allow concurrent users to access same resources.                                   |
| <input type="radio"/>            | It provides an environment to run parallel processes to speedup computation.                                     |
| <input type="radio"/>            | It constructs the system in a modular fashion, dividing the system functions into separate processes or threads. |
| <input checked="" type="radio"/> | It may affect or be affected by any other process executing in the system.                                       |

Question # 5 of 30 ( Start time: 05:55:55 AM, 01 January 2021 )

Total Marks: 1

A Process 'A' that has finished working but its parent process has also finished its execution. In this state the process 'A' will be called as \_\_\_\_\_ process.

Select the correct option

- |                                  |        |    |
|----------------------------------|--------|----|
| <input type="radio"/>            | Child  | // |
| <input type="radio"/>            | Thread | // |
| <input checked="" type="radio"/> | Zombie | // |
| <input type="radio"/>            | Fork   | // |

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Question # 6 of 30 ( Start time: 05:56:12 AM, 01 January 2021 )

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      |

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Question # 7 of 30 ( Start time: 05:56:25 AM, 01 January 2021 )

In which of the following system multiple user are allowed to used the computer simultaneously?

Select the correct option

- |                                  |             |
|----------------------------------|-------------|
| <input type="radio"/>            | Single user |
| <input type="radio"/>            | Two users   |
| <input type="radio"/>            | Three users |
| <input checked="" type="radio"/> | Multi users |



Question # 8 of 30 ( Start time: 05:56:43 AM, 01 January 2021 )

Tota

In process synchronization, if both the producer and consumer attempt to update the buffer concurrently, the machine language statements may get interleaved. Interleaving depends upon how the producer and consumer processes are \_\_\_\_\_.

Select the correct option

- |                                  |             |
|----------------------------------|-------------|
| <input type="radio"/>            | separated   |
| <input checked="" type="radio"/> | scheduled   |
| <input type="radio"/>            | stopped     |
| <input type="radio"/>            | interrupted |

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Question # 9 of 30 ( Start time: 05:57:02 AM, 01 January 2021 )

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>pthread_create()</code>    |
| <input type="radio"/>            | <code>pthread_terminate()</code> |

Question # 10 of 30 ( Start time: 05:57:23 AM, 01 January 2021 )

Total M

When a process has undivided access to a shared piece of code then no other process can execute this code, this state is called \_\_\_\_\_

Select the correct option

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

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Question # 11 of 30 ( Start time: 05:57:39 AM, 01 January 2021 )

\_\_\_\_\_ scheduling algorithm is sometimes called shortest remaining time first scheduling algorithm.

Select the correct option

- |                                  |                               |
|----------------------------------|-------------------------------|
| <input type="radio"/>            | Non-preemptive SJF            |
| <input type="radio"/>            | Priority Scheduling           |
| <input checked="" type="radio"/> | Preemptive Shortest Job First |
| <input type="radio"/>            | FCFS                          |

Question # 12 of 30 ( Start time: 05:57:55 AM, 01 January 2021 )

In multilevel queue-scheduling algorithm the highest priority is given to \_\_\_\_\_.

Select the correct option

- |                                  |                               |
|----------------------------------|-------------------------------|
| <input type="radio"/>            | interactive processes         |
| <input type="radio"/>            | interactive editing processes |
| <input type="radio"/>            | batch processes               |
| <input checked="" type="radio"/> | system processes              |

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Question # 13 of 30 ( Start time: 05:58:08 AM, 01 January 2021 )

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

Select the correct option

- |                                  |      |
|----------------------------------|------|
| <input checked="" type="radio"/> | wait |
| <input type="radio"/>            | fork |
| <input type="radio"/>            | exit |
| <input type="radio"/>            | exec |

## Question # 14 of 30 ( Start time: 05:58:24 AM, 01 January 2021 )

In the bakery algorithm to solve the critical section problem \_\_\_\_\_

## Select the correct option

- |                                  |   |
|----------------------------------|---|
| <input type="radio"/>            | Each process is put into a queue and picked up in an ordered manner   |
| <input checked="" type="radio"/> | Each process receives a number (may or may not be unique) and the one with the lowest number is served next |
| <input type="radio"/>            | Each process gets a unique number and the one with the highest number is served next                        |
| <input type="radio"/>            | Each process gets a unique number and the one with the lowest number is served next                         |

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Question # 15 of 30 ( Start time: 05:58:41 AM, 01 January 2021 )

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  |

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Question # 16 of 30 ( Start time: 05:58:55 AM, 01 January 2021 )

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 # 17 of 30 ( Start time: 05:59:10 AM, 01 January 2021 )

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 |

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Question # 18 of 30 ( **Start time: 05:59:25 AM, 01 January 2021** )

\_\_\_\_\_ 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"/>            | Adams   |

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Question # 19 of 30 ( Start time: 05:59:39 AM, 01 January 2021 )

For reading input, which of the following system call is used?

Select the correct option

<input type="radio"/>	write
<input type="radio"/>	rd
<input checked="" type="radio"/>	read
<input type="radio"/>	change

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Question # 20 of 30 ( Start time: 05:59:53 AM, 01 January 20:)

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

Select the correct option

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

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Question # 21 of 30 ( Start time: 06:00:07 AM, 01 January 2021 )

The \_\_\_\_\_ system call suspends the calling process until one of the immediate children terminate.

Select the correct option

<input checked="" type="radio"/>	Wait
<input type="radio"/>	Signal
<input type="radio"/>	Trap
<input type="radio"/>	Interrupt

## Question # 22 of 30 ( Start time: 06:00:23 AM, 01 January 2021 )

A \_\_\_\_\_ enables a user process to request the operating system to execute a privileged instruction for it.

Select the correct option

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

Question # 23 of 30 ( Start time: 06:00:52 AM, 01 January 2021 )

Taking the CPU from one process and giving the CPU to another process is termed as

Select the correct option

- |                                  |                   |
|----------------------------------|-------------------|
| <input checked="" type="radio"/> | Context Switching |
| <input type="radio"/>            | Dispatching       |
| <input type="radio"/>            | Swapping          |
| <input type="radio"/>            | Tracking          |



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Question # 24 of 30 ( Start time: 06:01:06 AM, 01 January 2021 )

The region in the memory that a process is allowed to access is known as process \_\_\_\_\_

Select the correct option

<input type="radio"/>	Operation
<input checked="" type="radio"/>	Address Space
<input type="radio"/>	Register
<input type="radio"/>	Instruction

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Question # 25 of 30 ( Start time: 06:01:23 AM, 01 January 2021 )

A ----- signal is generated when a write performed to fifo that no process is opened for reading.

Select the correct option

- |                                  |              |
|----------------------------------|--------------|
| <input type="radio"/>            | SIGFIFO      |
| <input checked="" type="radio"/> | SIGPIPE      |
| <input type="radio"/>            | Named PIPE   |
| <input type="radio"/>            | Unnamed PIPE |

Question # 26 of 30 ( Start time: 06:01:41 AM, 01 January 2021 )

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

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Question # 27 of 30 ( Start time: 06:01:55 AM, 01 January 2021 )

FIFO's (also known as named pipes) are used for communication between \_\_\_\_\_ on UNIX/Linux system

Select the correct option

- |                                  |                                     |
|----------------------------------|-------------------------------------|
| <input type="radio"/>            | Unrelated Processes                 |
| <input type="radio"/>            | Related Processes                   |
| <input checked="" type="radio"/> | Both related or unrelated processes |
| <input type="radio"/>            | Parent-child                        |

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Question # 28 of 30 ( Start time: 06:02:12 AM, 01 January 2021 )

A signal is an event generated to get attention of

Select the correct option

<input type="radio"/>	Hard disk
<input checked="" type="radio"/>	Process
<input type="radio"/>	Trap
<input type="radio"/>	Interrupts

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Question # 29 of 30 ( Start time: 06:02:26 AM, 01 January 2021 )

\_\_\_\_\_ multi-threading model provides full concurrency.

Select the correct option

- |                                  |              |
|----------------------------------|--------------|
| <input type="radio"/>            | One-to-Many  |
| <input type="radio"/>            | Many-to-Many |
| <input checked="" type="radio"/> | One-to-One   |
| <input type="radio"/>            | Many-to-One  |

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Question # 30 of 30 ( Start time: 06:02:41 AM, 01 January 2021 )

Critical section problem is to \_\_\_\_\_ the concurrent execution of cooperating process.

Select the correct option

- |                                  |           |
|----------------------------------|-----------|
| <input type="radio"/>            | update    |
| <input checked="" type="radio"/> | serialize |
| <input type="radio"/>            | stop      |
| <input type="radio"/>            | start     |

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