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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.

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Best of luck!

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TEAM HADI (VU)

CS604 - Operating Systems (Quiz No. 2) **Quiz Start Time: 09:50 AM, 30 November 2023**

Question # 4 of 10 (Start time: 09:53:22 AM, 30 November 2023) **Total Marks:** 1

In critical section problem, each process must first request permission to enter its critical section. The section of code implementing this request is called the_____.

Select the correct option

- (●) entry section
- ( ) remainder section
- ( ) exit section
- ( ) sub section

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CS604 - Operating Systems (Quiz No. 2) **Quiz Start Time: 09:50 AM, 30 November 2023**

Question # 8 of 10 (Start time: 09:56:54 AM, 30 November 2023) **Total Marks:** 1

Critical section is a place where certain shared structure is updated. Its solution required certain precaution; one of them is the access to critical section by one process at a time only. What this condition is termed as?

Select the correct option

- ○ Entry section
- ◉ Mutual exclusion
- ○ Progress
- ○ Bounded waiting

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CS604 - Operating Systems (Quiz No. 2) Quiz Start Time: 09:50 AM, 30 November 2023

Question # 9 of 10 (Start time: 09:57:23 AM, 30 November 2023) **Total Marks:** 1

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

Select the correct option

- ○ Temporary
- ○ Single
- ○ Parallel
- ◉ Concurrent

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CS604 - Operating Systems (Quiz No. 2) **Quiz Start Time: 09:50 AM, 30 November 2023**

Question # 1 of 10 (Start time: 09:50:09 AM, 30 November 2023) **Total Marks:** 1

In Unix/Linux environment Ali want to know the number of processes running on the system and their status, number of CPUs in the system and their usage, amount of main memory and its usage. Which of the following command will help in this regard?

Select the correct option

- $ top
- $ gcc
- $ fifo
- $ ps

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CS604 - Operating Systems (Quiz No. 1)

Quiz Start Time: 02:02 PM, 22 November 2023

Question # 2 of 10 (Start time: 02:04:38 PM, 22 November 2023)

Total Marks: 1

Shared libraries and kernel modules are stored in _____ directory.

Select the correct option

- (●) /lib
- ( ) /bin
- ( ) /dev
- ( ) /boot

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CS604 - Operating Systems (Quiz No. 1) Quiz Start Time: 02:02 PM, 22 November 2023

Question # 5 of 10 (Start time: 02:06:49 PM, 22 November 2023) Total Marks: 1

Which process can be affected by other processes executing in the system?

Select the correct option

- init process
- cooperating process
- parent process
- child process

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CS604 - Operating Systems (Quiz No. 1)

Quiz Start Time: 02:02 PM, 22 November 2023

Question # 4 of 10 (Start time: 02:05:33 PM, 22 November 2023)

Total Marks: 1

Consider a scenario of CPU protection, ---------- is added to the operating system in order to detect and avoid loop in a user program.

Select the correct option

- ○ I/O
- ○ Timer
- ○ Base and limit registers
- ◉ Turning interrupt enable off

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CS604 - Operating Systems (Quiz No. 1) Quiz Start Time: 02:02 PM, 22 November 2023

Question # 3 of 10 (Start time: 02:05:05 PM, 22 November 2023) Total Marks: 1

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

Select the correct option

- Three users
- Two users
- Single user
- Multi users

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CS604 - Operating Systems (Quiz No. 1)

Quiz Start Time: 02:02 PM, 22 November 2023

Question # 6 of 10 (Start time: 02:08:07 PM, 22 November 2023)

Total Marks: 1

When process opens its first file explicitly it will get descriptor number _____

Select the correct option

- 2
- 1
- 3 (selected)
- 4

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CS604 - Operating Systems (Quiz No. 2)

Quiz Start Time: 09:50 AM, 30 November 2023

Question # 3 of 10 (Start time: 09:51:51 AM, 30 November 2023)

Total Marks: 1

_____ is not a system call in Linux.

Select the correct option

- (●) read
- ( ) mkfifo
- ( ) open
- ( ) mknod

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CS604 - Operating Systems (Quiz No. 2)

Quiz Start Time: 09:50 AM, 30 November 2023

Question # 7 of 10 (Start time: 09:56:00 AM, 30 November 2023)

Total Marks: 1

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

- stopped
- scheduled
- separated
- interrupted

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CS604 - Operating Systems (Quiz No. 2) **Quiz Start Time: 09:50 AM, 30 November 2023**

Question # 2 of 10 (Start time: 09:51:13 AM, 30 November 2023) **Total Marks:** 1

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

Select the correct option

- (●) Other threads that belong to the same process
- ( ) All of the mentioned
- ( ) Other threads that belong to similar processes
- ( ) Other process similar to the one that the thread belongs to

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CS604 - Operating Systems (Quiz No. 1) **Quiz Start Time: 02:02 PM, 22 November 2023**

Question # 1 of 10 (Start time: 02:03:23 PM, 22 November 2023) **Total Marks:** 1

When processes communicate with each other, they perform communication through synchronization and utilizing separate address spaces. This action is termed as

_____

Select the correct option

- ○ Direct/Indirect Communication
- ◉ Inter Process Communication
- ○ Synchronization
- ○ Process Management

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CS604 - Operating Systems (Quiz No. 1) **Quiz Start Time: 02:02 PM, 22 November 2023**

Question # 10 of 10 (Start time: 02:13:44 PM, 22 November 2023) **Total Marks:** 1

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

- Defined
- Unbounded
- Zero
- Bounded

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check it

CS604 - Operating Systems (Quiz No. 2)

Quiz Start Time: 09:50 AM, 30 November 2023

Question # 6 of 10 (Start time: 09:54:55 AM, 30 November 2023)

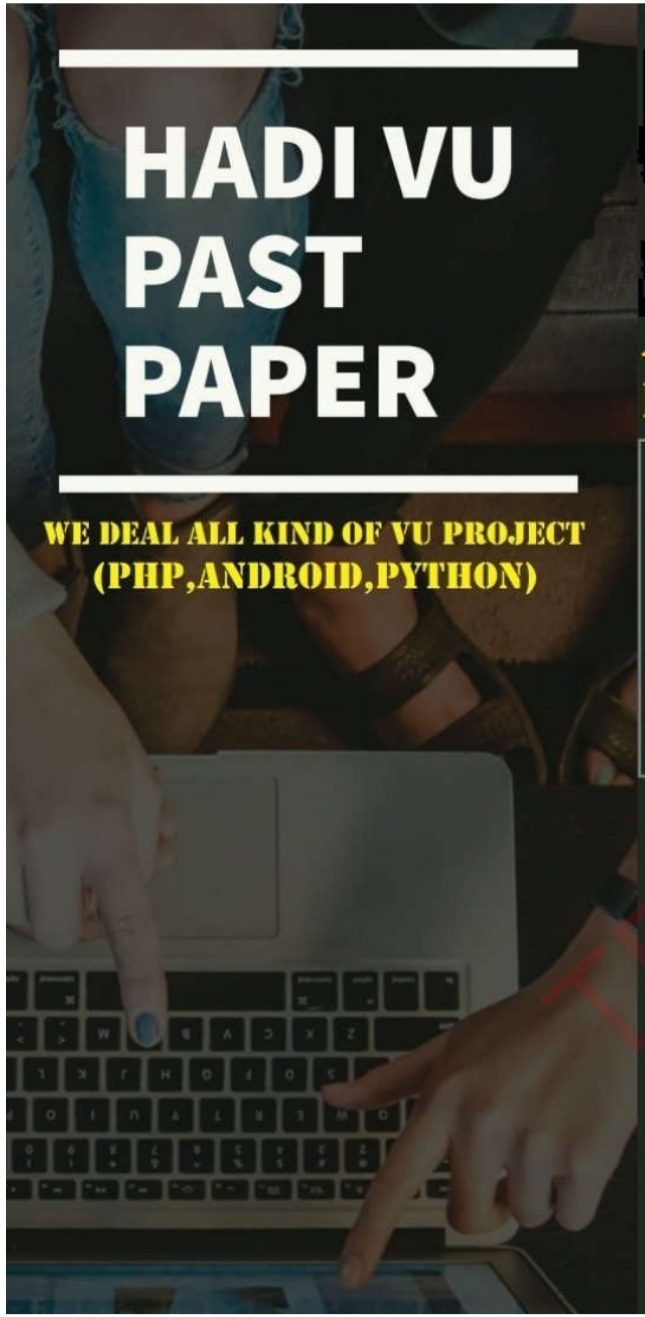
Total Marks: 1

Which could not be the advantage of thread?

Select the correct option

- Quick response
- Economical
- Best in multiprocessing environment
- Separate address space

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