

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

(Start the day with the name of Allah)

Welcome To Virtual
University

Question # 9 of 10 (Start time: 07:38:06 PM, 24 June 2022)

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

Select the correct option

<input type="radio"/>	9
<input type="radio"/>	1
<input type="radio"/>	15
<input checked="" type="radio"/>	2



Question # 1 of 10 (Start time: 09:18:12 AM, 09 June 2022)

The file descriptor for Standard Input (stdin) is _____

Select the correct option

<input type="radio"/>	2
<input type="radio"/>	1
<input type="radio"/>	3
<input checked="" type="radio"/>	0

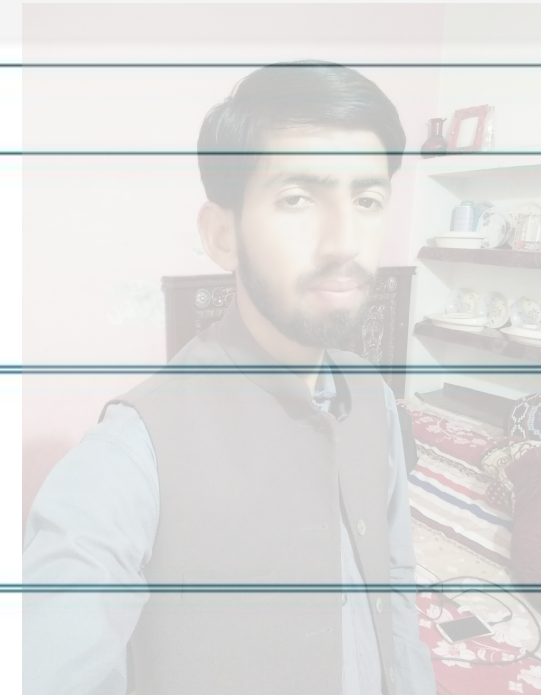


Question # 2 of 10 (Start time: 09:19:46 AM, 09 June 2022)

_____ directory includes essential system boot files including the kernel image.

Select the correct option

<input checked="" type="radio"/>	/boot
<input type="radio"/>	/dev
<input type="radio"/>	/etc
<input type="radio"/>	/bin



Question # 3 of 10 (Start time: 09:20:10 AM, 09 June 2022)

Which of the following is not True for a time-sharing system?

Select the correct option

<input checked="" type="radio"/>	Rigid time requirements
<input type="radio"/>	CPU sit idle when a process requires I/O operation
<input type="radio"/>	Interactive
<input type="radio"/>	Multi user



Question # 4 of 10 (Start time: 09:21:38 AM, 09 June 2022)

Rather than maximizing CPU utilization and use of peripheral devices, _____ systems are for maximizing user convenience and responsiveness.

Select the correct option

<input type="radio"/>	Time-sharing
<input checked="" type="radio"/>	Single-user
<input type="radio"/>	Multi-user
<input type="radio"/>	Batch



Question # 4 of 10 (Start time: 09:21:38 AM, 09 June 2022)

Rather than maximizing CPU utilization and use of peripheral devices, _____ systems are for maximizing user convenience and responsiveness.

Select the correct option

<input type="radio"/>	Time-sharing
<input checked="" type="radio"/>	Single-user
<input type="radio"/>	Multi-user
<input type="radio"/>	Batch



Question # 5 of 10 (Start time: 09:23:12 AM, 09 June 2022)

Command-line interpreter is also called _____ in some operating systems.

Select the correct option

<input type="radio"/>	Kernel
<input type="radio"/>	API
<input type="radio"/>	Signal
<input checked="" type="radio"/>	Shell



Question # 6 of 10 (Start time: 09:23:35 AM, 09 June 2022)

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

Select the correct option

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



Question # 7 of 10 (Start time: 09:23:58 AM, 09 June 2022)

The child process can _____

Select the correct option

<input type="radio"/>	never have another program loaded into it
<input type="radio"/>	never be a duplicate of the parent process
<input type="radio"/>	cannot have another program loaded into it
<input checked="" type="radio"/>	be a duplicate of the parent process



Question # 8 of 10 (Start time: 09:24:27 AM, 09 June 2022)

You can use the rm file1 command to _____ file1.

Select the correct option

<input checked="" type="radio"/>	remove
<input type="radio"/>	retrieve
<input type="radio"/>	make
<input type="radio"/>	modify



Question # 9 of 10 (Start time: 09:24:48 AM, 09 June 2022)

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"/>	Swapping
<input type="radio"/>	Dispatching
<input type="radio"/>	Tracking



Question # 10 of 10 (Start time: 09:25:52 AM, 09 June 2022)

The write () system call may not fail for _____reason(s).

Select the correct option

<input type="radio"/>	Disk is full
<input checked="" type="radio"/>	Valid argument
<input type="radio"/>	Invalid argument
<input type="radio"/>	File size limit for process or for system would exceed



Question # 1 of 10 (Start time: 09:28:12 AM, 09 June 2022)

A _____ system has well defined, fixed time constraints, and if the system does not produce output for an input within the time constraints, the system will fail.

Select the correct option

<input type="radio"/>	Limited
<input type="radio"/>	Android
<input type="radio"/>	Operating
<input checked="" type="radio"/>	Real-time



Question # 2 of 10 (Start time: 09:28:25 AM, 09 June 2022)

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

Select the correct option

<input type="radio"/>	Layered
<input type="radio"/>	Virtual Machines
<input type="radio"/>	Simple
<input checked="" type="radio"/>	Micro kernels



Question # 4 of 10 (Start time: 09:31:01 AM, 09 June 2022)

A program in execution is called a _____.

Select the correct option

<input type="radio"/>	Software
<input type="radio"/>	Command
<input checked="" type="radio"/>	Process
<input type="radio"/>	Compiler



Question # 6 of 10 (Start time: 09:31:28 AM, 09 June 2022)

Rather than maximizing CPU utilization and use of peripheral devices, _____ systems are for maximizing user convenience and responsiveness.

Select the correct option

<input checked="" type="radio"/>	Single-user
<input type="radio"/>	Multi-user
<input type="radio"/>	Batch
<input type="radio"/>	Time-sharing



Question # 7 of 10 (Start time: 09:31:44 AM, 09 June 2022)

The manual pages can be read in Linux using ____ command.

Select the correct option

<input type="radio"/>	help
<input checked="" type="radio"/>	man
<input type="radio"/>	desc
<input type="radio"/>	wan



Question # 9 of 10 (Start time: 09:34:22 AM, 09 June 2022)

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

Select the correct option

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



Question # 1 of 10 (Start time: 09:37:41 AM, 09 June 2022)

_____ system call is used to create a child process.

Select the correct option

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



Question # 2 of 10 (Start time: 09:37:58 AM, 09 June 2022)

Given below two statements can be categorized in some sort of message passing techniques. This type is named as _____.

- Send (A, message)
- Receive (B, message)

Select the correct option

<input type="radio"/>	Synchronization
<input type="radio"/>	Send by copy communication.
<input type="radio"/>	Explicit buffering
<input checked="" type="radio"/>	Direct communication



Question # 3 of 10 (Start time: 09:39:05 AM, 09 June 2022)

The write () system call may not fail for _____reason(s).

Select the correct option

<input type="radio"/>	Invalid argument
<input checked="" type="radio"/>	Valid argument
<input type="radio"/>	Disk is full
<input type="radio"/>	File size limit for process or for system would exceed



Question # 4 of 10 (Start time: 09:39:36 AM, 09 June 2022)

Rather than maximizing CPU utilization and use of peripheral devices, _____ systems are for maximizing user convenience and responsiveness.

Select the correct option

<input type="radio"/>	Batch
<input checked="" type="radio"/>	Single-user
<input type="radio"/>	Time-sharing
<input type="radio"/>	Multi-user



Question # 5 of 10 (Start time: 09:40:05 AM, 09 June 2022)

_____ commands in Linux helps to create a new directory.

Select the correct option

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



Question # 7 of 10 (Start time: 09:42:05 AM, 09 June 2022)

The process id returned to the child process after successful fork system call execution is _____.

Select the correct option

<input type="radio"/>	1
<input checked="" type="radio"/>	0
<input type="radio"/>	3
<input type="radio"/>	2

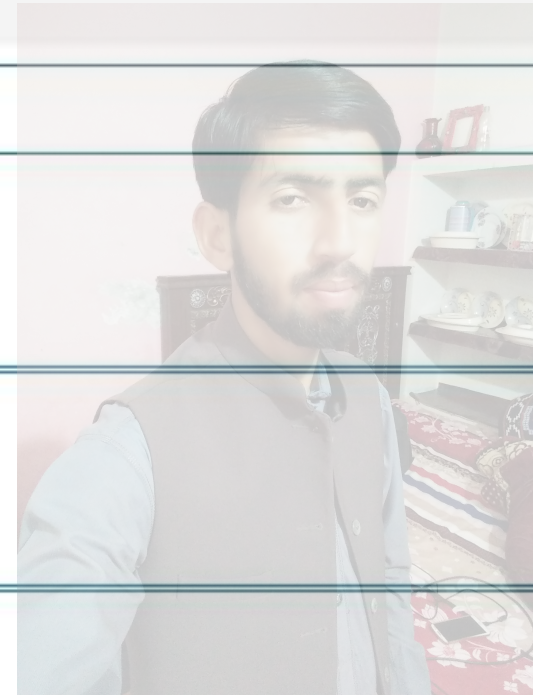


Question # 8 of 10 (Start time: 09:42:22 AM, 09 June 2022)

Ali is an operating system designer. One user requirement regarding OS is easy to debug and modify. In your opinion which one of the following OS structure Ali needs to

Select the correct option

<input type="radio"/>	Simple OS Approach
<input checked="" type="radio"/>	Layered Approach
<input type="radio"/>	Virtual Machines
<input type="radio"/>	Micro kernels



Question # 1 of 10 (Start time: 09:48:24 AM, 09 June 2022)

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

<input checked="" type="radio"/>	Timer
<input type="radio"/>	I/O
<input type="radio"/>	Base and limit registers
<input type="radio"/>	Turning interrupt enable off



Question # 2 of 10 (Start time: 09:49:28 AM, 09 June 2022)

The main characteristic of a Real time system is

Select the correct option

<input type="radio"/>	Large Virtual Memory
<input type="radio"/>	Efficiency
<input checked="" type="radio"/>	Usability
<input type="radio"/>	Large secondary storage device



Question # 3 of 10 (Start time: 09:50:43 AM, 09 June 2022)

The creating process is called a _____ process while the new processes are called the _____ of that process

Select the correct option

<input type="radio"/>	Zombie, single
<input type="radio"/>	Children, parent
<input type="radio"/>	None of the given options
<input checked="" type="radio"/>	Parent, children



Question # 4 of 10 (Start time: 09:51:03 AM, 09 June 2022)

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

Select the correct option

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



Question # 5 of 10 (Start time: 09:52:14 AM, 09 June 2022)

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



Question # 6 of 10 (Start time: 09:53:00 AM, 09 June 2022)

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

Select the correct option

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



Question # 7 of 10 (Start time: 09:53:33 AM, 09 June 2022)

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



Question # 8 of 10 (Start time: 09:53:50 AM, 09 June 2022)

You can use the rm file1 command to _____ file1.

Select the correct option

<input type="radio"/>	retrieve
<input type="radio"/>	make
<input type="radio"/>	modify
<input checked="" type="radio"/>	remove



Question # 9 of 10 (Start time: 09:54:00 AM, 09 June 2022)

_____ command displays the contents of current working directory.

Select the correct option

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



Question # 10 of 10 (Start time: 09:54:38 AM, 09 June 2022)

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

Select the correct option

<input type="radio"/>	parent process
<input checked="" type="radio"/>	cooperating process
<input type="radio"/>	init process
<input type="radio"/>	child process



Question # 1 of 10 (Start time: 10:15:19 AM, 09 June 2022)

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



Question # 2 of 10 (Start time: 10:15:25 AM, 09 June 2022)

which is not basic computing hardware?

Select the correct option

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



Question # 3 of 10 (Start time: 10:16:58 AM, 09 June 2022)

_____ 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



Question # 4 of 10 (Start time: 10:17:32 AM, 09 June 2022)

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

Select the correct option

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



Question # 5 of 10 (Start time: 10:18:27 AM, 09 June 2022)

_____ commands in Linux helps to create a new directory.

Select the correct option

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



Question # 6 of 10 (Start time: 10:18:45 AM, 09 June 2022)

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



Question # 7 of 10 (Start time: 10:19:37 AM, 09 June 2022)

Command-line interpreter is also called _____ in some operating systems.

Select the correct option

<input type="radio"/>	Kernel
<input type="radio"/>	Signal
<input type="radio"/>	API
<input checked="" type="radio"/>	Shell



Question # 8 of 10 (Start time: 10:19:47 AM, 09 June 2022)

Shared libraries and kernel modules are stored in _____ directory.

Select the correct option

<input type="radio"/>	/boot
<input checked="" type="radio"/>	/lib
<input type="radio"/>	/dev
<input type="radio"/>	/bin



Question # 10 of 10 (Start time: 10:20:53 AM, 09 June 2022)

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 # 1 of 10 (Start time: 10:22:32 AM, 09 June 2022)

A shell command mkfifo can be used to create a /an -----.

Select the correct option

<input type="radio"/>	Unnamed pipe
<input type="radio"/>	Pipe
<input type="radio"/>	Message queue
<input checked="" type="radio"/>	Named pipe



Question # 1 of 10 (Start time: 10:22:32 AM, 09 June 2022)

A shell command mkfifo can be used to create a /an -----.

Select the correct option

<input type="radio"/>	Unnamed pipe
<input type="radio"/>	Pipe
<input type="radio"/>	Message queue
<input checked="" type="radio"/>	Named pipe



Question # 4 of 10 (Start time: 10:24:23 AM, 09 June 2022)

The correct command when Pipes are used on the command line to connect the standard input of one process to the standard input of another is _____

Select the correct option

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



Question # 9 of 10 (Start time: 10:28:38 AM, 09 June 2022)

Command-line interpreter is also called _____ in some operating systems.

Select the correct option

<input checked="" type="radio"/>	Shell
<input type="radio"/>	Kernel
<input type="radio"/>	Signal
<input type="radio"/>	API



Question # 10 of 10 (Start time: 10:28:47 AM, 09 June 2022)

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

Select the correct option

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



Question # 10 of 10 (Start time: 07:39:00 PM, 24 June 2022)

Multilevel feedback _____ scheduling allows a process to move between queues.

Select the correct option

<input type="radio"/>	Array
<input checked="" type="radio"/>	Queue
<input type="radio"/>	List
<input type="radio"/>	Time



Question # 1 of 10 (Start time: 06:35:11 PM, 24 June 2022)

_____ multi-threading model provides full concurrency.

Select the correct option

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



Question # 2 of 10 (Start time: 06:36:34 PM, 24 June 2022)

Consider three processes in scheduling .Here are the waiting times for the three processes
 $P_1 = 5$; $P_2 = 10$; $P_3 = 3$. Which one of the following is correct average waiting time per process?

Select the correct option

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



Question # 3 of 10 (Start time: 06:37:55 PM, 24 June 2022)

A heavy weight process _____

Select the correct option

<input type="radio"/>	can have multiple or a single thread for execution
<input type="radio"/>	has multiple threads of execution
<input checked="" type="radio"/>	has a single thread of execution
<input type="radio"/>	contains multiple copies of stacks



Question # 6 of 10 (Start time: 06:40:53 PM, 24 June 2022)

The kernel is _____ user threads.

Select the correct option

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



Question # 7 of 10 (Start time: 06:41:37 PM, 24 June 2022)

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

Select the correct option

<input type="radio"/>	Mutual Exclusion
<input type="radio"/>	Progress
<input checked="" type="radio"/>	Race Condition
<input type="radio"/>	Bounded Waiting



Question # 8 of 10 (Start time: 06:41:58 PM, 24 June 2022)

The time it takes for the dispatcher to stop one process and start another running is known as the_____.

Select the correct option

<input checked="" type="radio"/>	dispatch latency
<input type="radio"/>	sleep time
<input type="radio"/>	dispatch time
<input type="radio"/>	stop time



Question # 9 of 10 (Start time: 06:42:17 PM, 24 June 2022)

The procedure "The time at which the process finished working MINUS the arrival time of the process MINUS CPU burst for that process" will help calculate the _____

Select the correct option

<input checked="" type="radio"/>	Preemptive Shortest Job First scheduling.
<input type="radio"/>	Non-preemptive Shortest Job First scheduling.
<input type="radio"/>	RR Scheduling
<input type="radio"/>	FCFS



Question # 10 of 10 (Start time: 06:43:16 PM, 24 June 2022)

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

Select the correct option

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



Question # 1 of 10 (Start time: 06:46:18 PM, 24 June 2022)

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

Select the correct option

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



Question # 2 of 10 (Start time: 06:47:18 PM, 24 June 2022)

In round-robin (RR) scheduling algorithm the CPU scheduler goes around the ready queue, allocating the CPU to each process for a time interval of up to ____ time quantum

Select the correct option

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



Question # 4 of 10 (Start time: 06:48:19 PM, 24 June 2022)

The round-robin (RR) scheduling algorithm is designed especially for_____.

Select the correct option

<input type="radio"/>	single-user systems
<input type="radio"/>	nice systems
<input type="radio"/>	batch systems
<input checked="" type="radio"/>	time-sharing systems



Question # 5 of 10 (Start time: 06:48:47 PM, 24 June 2022)

The scheduling of _____ are done by the operating system.

Select the correct option

- | | |
|----------------------------------|-----------------------------------|
| <input type="radio"/> | User level threads |
| <input checked="" type="radio"/> | Kernel threads |
| <input type="radio"/> | Both Kernel and User Level thread |
| <input type="radio"/> | None of the give option |



Question # 6 of 10 (Start time: 06:49:51 PM, 24 June 2022)

Co-operating processes sharing a piece of code are executed periodically to solve _____.

Select the correct option

<input checked="" type="radio"/>	Critical section problem
<input type="radio"/>	Waiting problem
<input type="radio"/>	Aging problem
<input type="radio"/>	Non-concurrency problem



Question # 7 of 10 (Start time: 06:51:24 PM, 24 June 2022)

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

Select the correct option

<input checked="" type="radio"/>	Other threads that belong to the same process
<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 type="radio"/>	All of the mentioned



Question # 8 of 10 (Start time: 06:52:40 PM, 24 June 2022)

Preemptive SJF (Shorted Job First) scheduling is sometimes called _____scheduling.

Select the correct option

<input type="radio"/>	shortest time-last
<input type="radio"/>	biggest time-first
<input type="radio"/>	smallest time-first
<input checked="" type="radio"/>	shortest remaining-time-first



Question # 9 of 10 (Start time: 06:53:11 PM, 24 June 2022)

In priority-scheduling algorithm equal priority processes are scheduled in _____ order.

Select the correct option

<input type="radio"/>	SRTF (Shortest Remaining Time First)
<input checked="" type="radio"/>	FCFS (First Come First Server)
<input type="radio"/>	LIFO (Last in First out)
<input type="radio"/>	SJF (Shorted Job First)



Question # 10 of 10 (Start time: 06:53:54 PM, 24 June 2022)

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 |



Question # 1 of 10 (Start time: 06:56:01 PM, 24 June 2022)

In priority-scheduling algorithm equal priority processes are scheduled in _____ order.

Select the correct option

<input type="radio"/>	SRTF (Shortest Remaining Time First)
<input type="radio"/>	LIFO (Last in First out)
<input checked="" type="radio"/>	FCFS (First Come First Server)
<input type="radio"/>	SJF (Shorted Job First)



Question # 2 of 10 (Start time: 06:56:08 PM, 24 June 2022)

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

Select the correct option

<input checked="" type="radio"/>	Little's Formula
<input type="radio"/>	Queuing analysis
<input type="radio"/>	Queuing Theory
<input type="radio"/>	Deterministic Modeling



Question # 3 of 10 (Start time: 06:56:32 PM, 24 June 2022)

Which could not be the advantage of thread?

Select the correct option

<input type="radio"/>	Economical
<input checked="" type="radio"/>	Separate address space
<input type="radio"/>	Best in multiprocessing environment
<input type="radio"/>	Quick response



Question # 5 of 10 (Start time: 06:58:41 PM, 24 June 2022)

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

Select the correct option

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



Question # 6 of 10 (Start time: 06:59:33 PM, 24 June 2022)

We can terminate a thread explicitly by either returning from the thread function or by using the _____ call.

Select the correct option

<input type="radio"/>	slow()
<input type="radio"/>	win()
<input checked="" type="radio"/>	pthread_exit()
<input type="radio"/>	express()



Question # 7 of 10 (Start time: 06:59:54 PM, 24 June 2022)

POSIX is a standard developed by _____

Select the correct option

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



Question # 9 of 10 (Start time: 07:01:58 PM, 24 June 2022)

UNIX System V Scheduling Algorithm in every second, the priority number of all those processes that are in the main memory and ready to run is updated by using the following

Select the correct option

<input type="radio"/>	Priority # = Threshold Priority + nice
<input type="radio"/>	Priority # = (Recent CPU Usage)/2 + Threshold Priority
<input type="radio"/>	Priority # = (Recent CPU Usage)/2 + nice
<input checked="" type="radio"/>	Priority # = (Recent CPU Usage)/2 + Threshold Priority + nice



Question # 10 of 10 (Start time: 07:02:41 PM, 24 June 2022)

Consider three processes in scheduling .Here are the waiting times for the three processes
 $P_1 = 5$; $P_2 = 10$; $P_3 = 3$. 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 # 1 of 10 (Start time: 07:04:27 PM, 24 June 2022)

Consider a system of N processes (P_0, P_1, \dots, P_{n-1}). Each process in its critical section and the process may be changing common variables, updating a table, writing a file called -----.

Select the correct option

<input type="radio"/>	Deadlock Algorithm
<input type="radio"/>	N-Mutual Exclusion
<input checked="" type="radio"/>	N-Process Critical Section
<input type="radio"/>	Bakery Algorithm



Question # 3 of 10 (Start time: 07:07:04 PM, 24 June 2022)

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 type="radio"/>	Round-Robin
<input checked="" type="radio"/>	First Come First Serve



Question # 5 of 10 (Start time: 07:08:40 PM, 24 June 2022)

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

Select the correct option

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



Question # 6 of 10 (Start time: 07:09:01 PM, 24 June 2022)

Multilevel feedback _____ scheduling allows a process to move between queues.

Select the correct option

<input type="radio"/>	Time
<input type="radio"/>	Array
<input checked="" type="radio"/>	Queue
<input type="radio"/>	List



Question # 8 of 10 (Start time: 07:10:58 PM, 24 June 2022)

Consider three processes in scheduling .Here are the waiting times for the three processes
 $P_1 = 4$; $P_2 = 2$; $P_3 = 6$. Which one of the following is correct average waiting time per process?

Select the correct option

<input type="radio"/>	6
<input checked="" type="radio"/>	4
<input type="radio"/>	3
<input type="radio"/>	2



Question # 1 of 10 (Start time: 07:16:36 PM, 24 June 2022)

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

Select the correct option

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



Question # 4 of 10 (Start time: 07:18:31 PM, 24 June 2022)

Under _____ once the CPU has been allocated to a process the process keeps the CPU until either it switches to the waiting state, finishes its CPU burst, or t

Select the correct option

<input type="radio"/>	preemptive scheduling
<input type="radio"/>	force scheduling
<input checked="" type="radio"/>	non-preemptive scheduling
<input type="radio"/>	dynamic scheduling



Question # 5 of 10 (Start time: 07:18:53 PM, 24 June 2022)

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

Select the correct option

<input type="radio"/>	Progress
<input type="radio"/>	Bounded Waiting
<input type="radio"/>	Mutual Exclusion
<input checked="" type="radio"/>	Race Condition



Question # 6 of 10 (Start time: 07:19:31 PM, 24 June 2022)

UNIX System V Scheduling Algorithm in every second, the priority number of all those processes that are in the main memory and ready to run is updated by using the following

Select the correct option

<input type="radio"/>	$\text{Priority \#} = (\text{Recent CPU Usage})/2 + \text{nice}$
<input type="radio"/>	$\text{Priority \#} = (\text{Recent CPU Usage})/2 + \text{Threshold Priority}$
<input checked="" type="radio"/>	$\text{Priority \#} = (\text{Recent CPU Usage})/2 + \text{Threshold Priority} + \text{nice}$
<input type="radio"/>	$\text{Priority \#} = \text{Threshold Priority} + \text{nice}$



Question # 10 of 10 (Start time: 07:22:35 PM, 24 June 2022)

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

Select the correct option

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



Question # 5 of 10 (Start time: 07:28:17 PM, 24 June 2022)

A major problem with priority- scheduling algorithms is _____.

Select the correct option

<input type="radio"/>	aging
<input type="radio"/>	conclusion
<input checked="" type="radio"/>	starvation
<input type="radio"/>	termination



Question # 7 of 10 (Start time: 07:29:52 PM, 24 June 2022)

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

<input type="radio"/>	remainder section
<input type="radio"/>	sub section
<input type="radio"/>	exit section
<input checked="" type="radio"/>	entry section

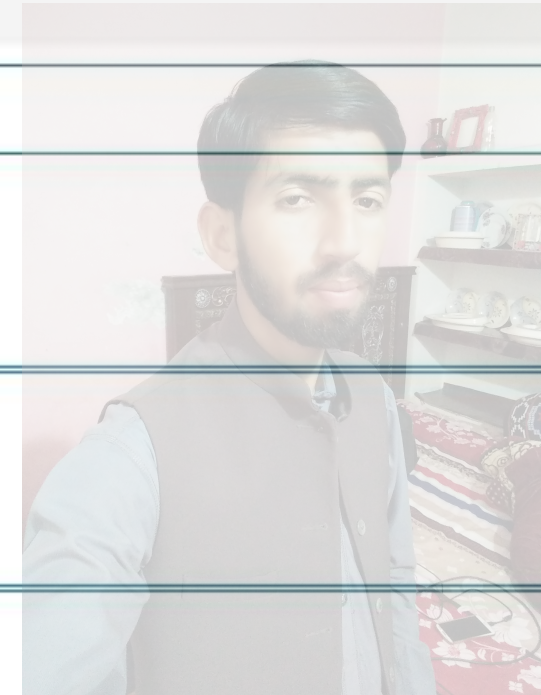


Question # 8 of 10 (Start time: 07:30:36 PM, 24 June 2022)

_____ scheduling allows a process to move between queues.

Select the correct option

<input checked="" type="radio"/>	Multilevel Feedback Queue
<input type="radio"/>	First Come First Serve
<input type="radio"/>	Round Robin
<input type="radio"/>	Shortest Remaining Time First



Question # 9 of 10 (Start time: 07:30:57 PM, 24 June 2022)

In critical section problem _____ requirement illustrates that, "There exists a bound on the number of times that other processes are allowed to enter their critical section request is granted."

I

Select the correct option

<input type="radio"/>	progress
<input type="radio"/>	fast execution
<input checked="" type="radio"/>	bounded waiting
<input type="radio"/>	mutual exclusion



Question # 10 of 10 (Start time: 07:31:37 PM, 24 June 2022)

Multilevel feedback _____ scheduling allows a process to move between queues.

Select the correct option

<input checked="" type="radio"/>	Queue
<input type="radio"/>	Time
<input type="radio"/>	Array
<input type="radio"/>	List



Question # 1 of 10 (Start time: 07:33:55 PM, 24 June 2022)

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

<input type="radio"/>	Queuing Models
<input type="radio"/>	Simulation
<input type="radio"/>	Analytic evaluation
<input checked="" type="radio"/>	Deterministic modelling



Question # 2 of 10 (Start time: 07:35:07 PM, 24 June 2022)

The problem with priority scheduling algorithm is

Select the correct option

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



Question # 3 of 10 (Start time: 07:35:21 PM, 24 June 2022)

In round-robin (RR) scheduling algorithm, in case the time quantum is very large (infinite), the RR policy remains the same as the_____ policy.

Select the correct option

- | | |
|----------------------------------|--------------------------------------|
| <input type="radio"/> | SJF (Shorted Job First) |
| <input type="radio"/> | LIFO (Last in First out) |
| <input type="radio"/> | SRTF (Shortest Remaining Time First) |
| <input checked="" type="radio"/> | FCFS (First Come First Server) |



Question # 4 of 10 (Start time: 07:36:15 PM, 24 June 2022)

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

Select the correct option

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



Question # 5 of 10 (Start time: 07:37:11 PM, 24 June 2022)

The kernel is _____ user threads.

Select the correct option

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



Question # 7 of 10 (Start time: 07:37:25 PM, 24 June 2022)

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

Select the correct option

<input checked="" type="radio"/>	Race Condition
<input type="radio"/>	Progress
<input type="radio"/>	Bounded Waiting
<input type="radio"/>	Mutual Exclusion



Question # 8 of 10 (Start time: 07:37:33 PM, 24 June 2022)

Which could not be the advantage of thread?

Select the correct option

<input type="radio"/>	Economical
<input type="radio"/>	Best in multiprocessing environment
<input type="radio"/>	Quick response
<input checked="" type="radio"/>	Separate address <code>space</code>

