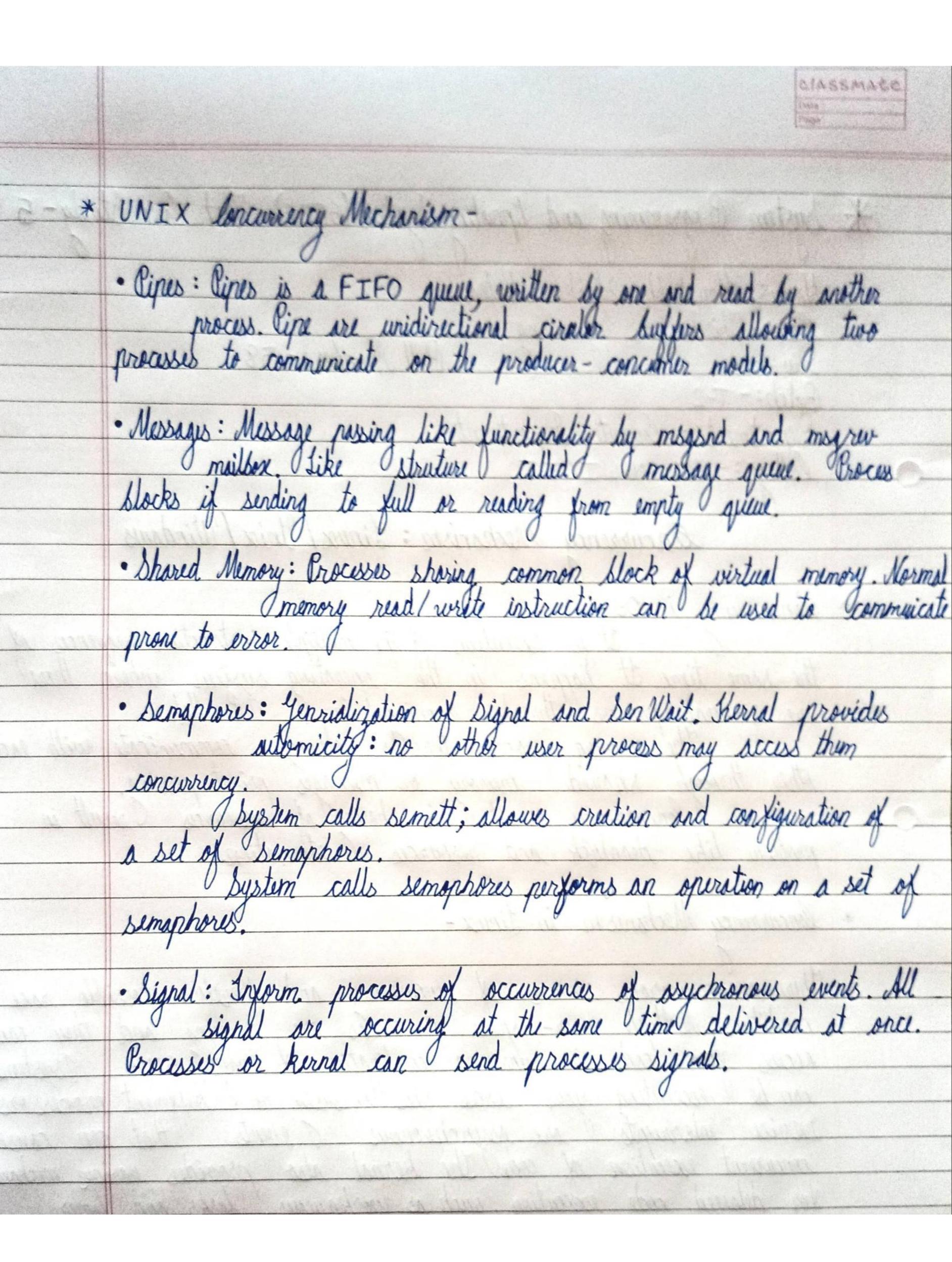
CIASSMATE * System Crogramming and Aposting System (5005) - Test lase Study - 5 Name: - Krawstuck Shrikant Kabra Class: - Third Year Engineering Div: - A Roll Number: - 38. Batch: - T-2 Department: - lamputer Department Pollege: - AISSMS'S IOIT Concurrency Mechanism: Linux/Unix/Ulindous loncurrency in 05-It is execution of the multiple instruction sequences of the same time. It happens in the operating system where there are serveral process threads running in Parallel. The running process threads always communicate with each other through shared memory or messages private passing. Cloncurrency result is sharing of resources tresult in problem like desalock and resources starustion. * Concurrency Mechanism in Linux-There are numerous sources of concurrency and therefore possible race conditions. Multiple user-space processes are running and they can access your code in suprising combination of ways, SMP Isystems can be executing your code simultaneously on different processors. Device interrupts ore ssynchronous I events that can cause concurrent execution of code The Kernal also provides various mechanism for delayed code execution, such as workqueus, tasks and timers.



Classmate Dato: Page:
Incurrency Micharism in Windows - The central - concurrency michanism in the windows API is the thread. You typically use the create thread function to create thread. Mithaugh they are easy to use, the OS allocates a significant amount of time and other resources to manage them.
The concurrency runtime implement a work-stealing algorithm to extend the FIFO scheduling mechanism.