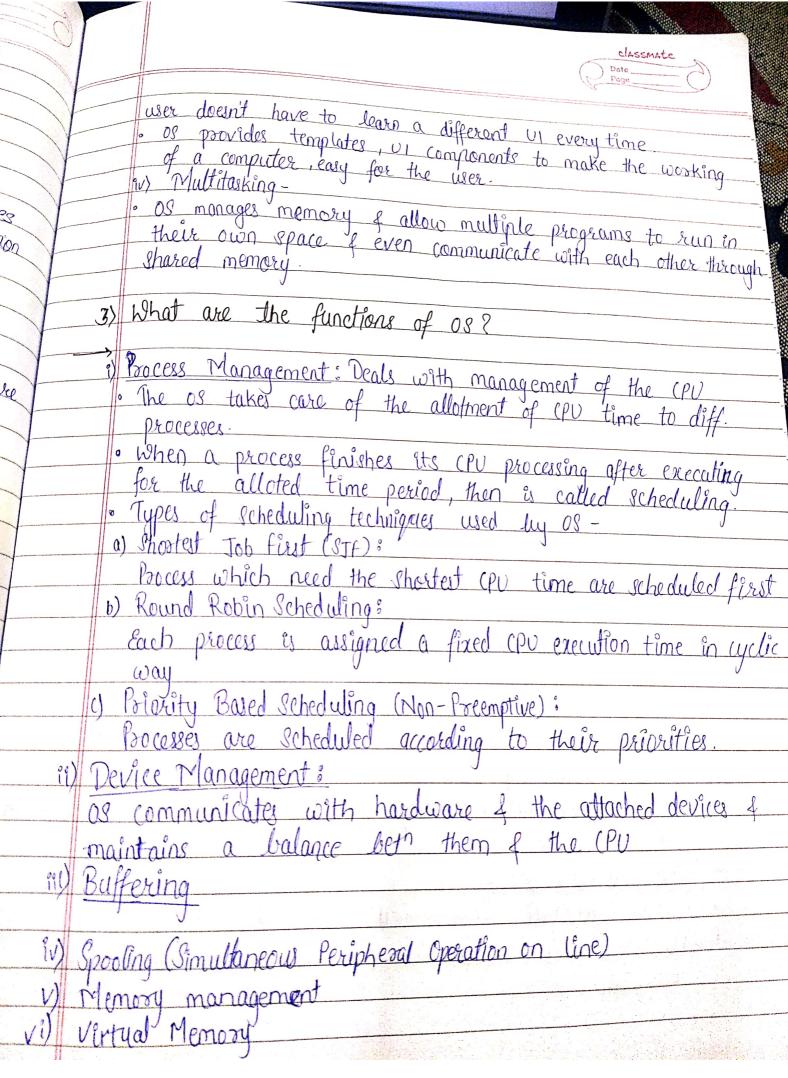
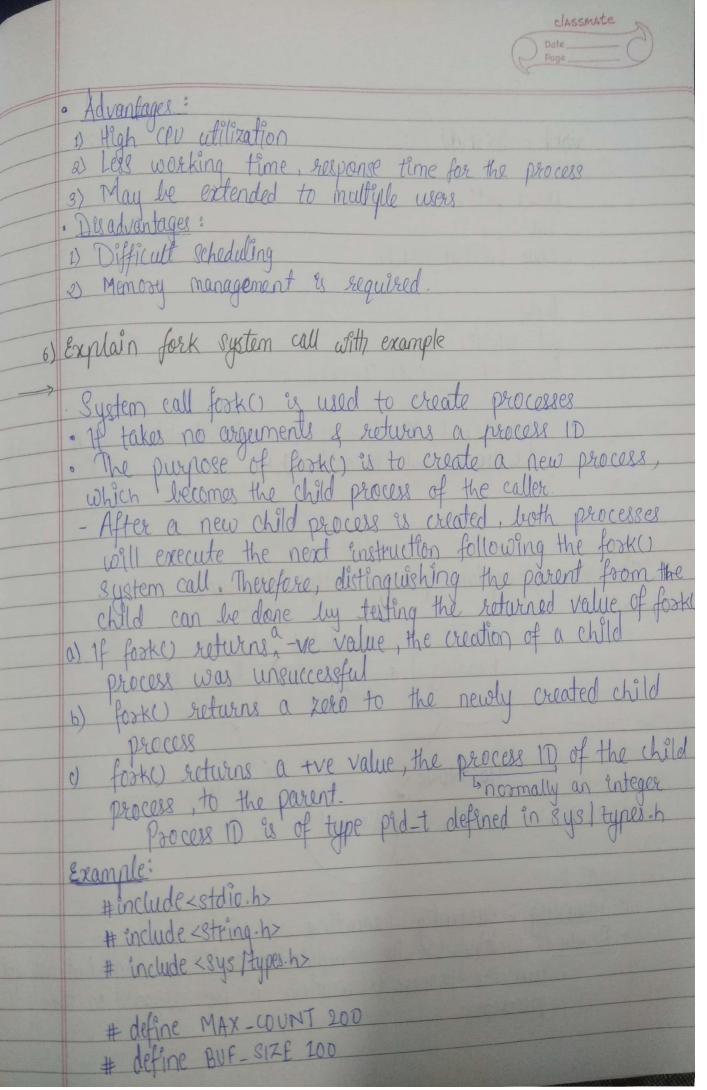
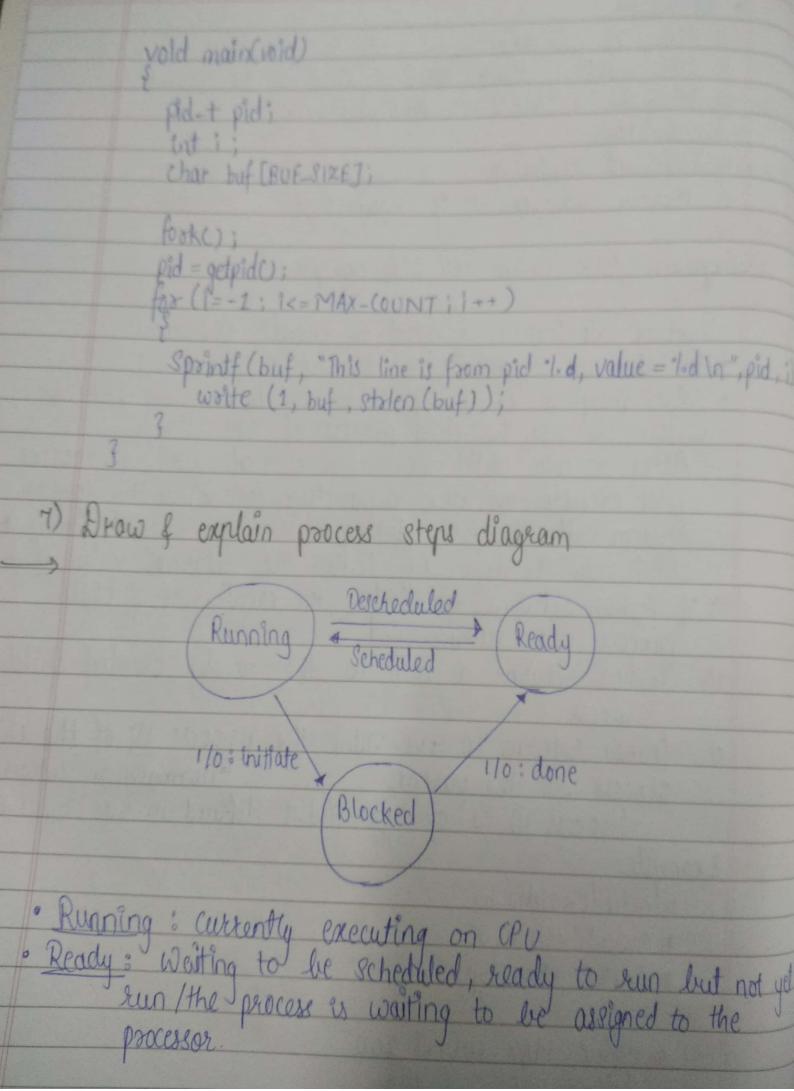
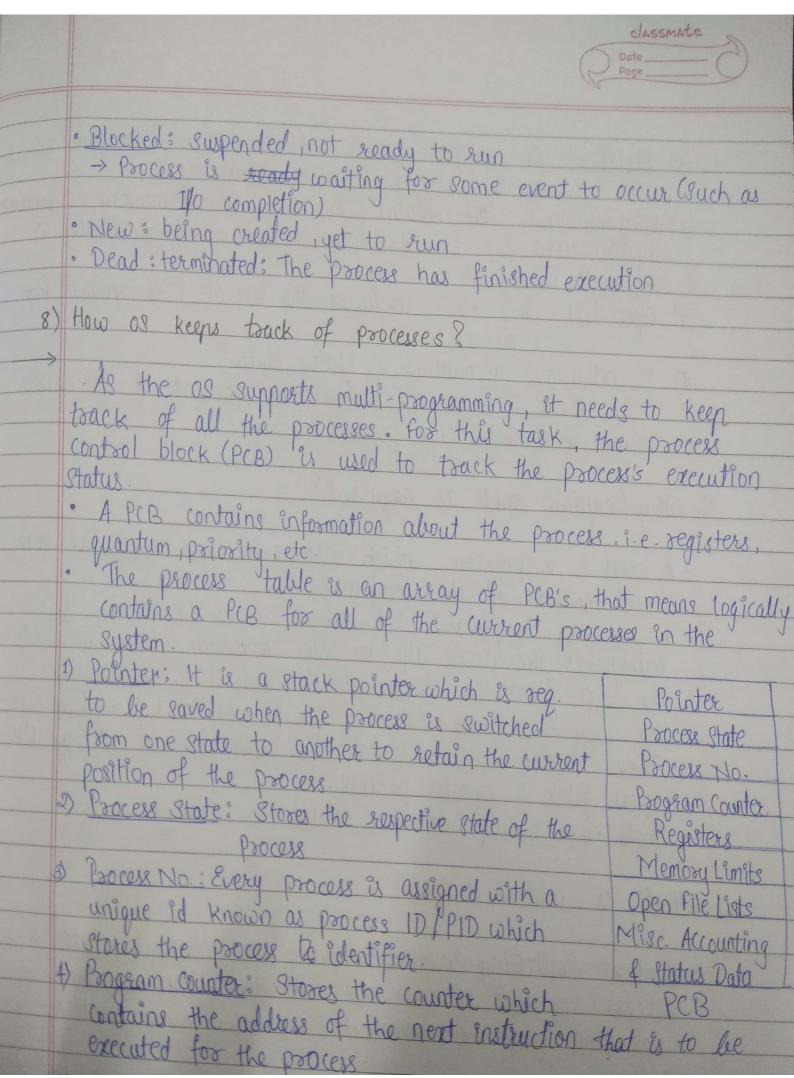
Classmate Date Page			middleware bet user program & System	nardware. An operating system (03) is system settware that manages conjudes hardware, settware resources of provides conjugations.	For hardware functions such as iff & off & memory allocation, the os acts as an intermediate lectured	phogeoms and the conjutes hardware, although the hardware application code is usually executed directly by the hardware and frequently makes system calls to an os function is intersumed by	egured?	no software:	08 as a platform for Application programs -	Called application programs can rish. These programs hop their to perform a specific task early	Acts as an interface bet the computer of the user.	08 allows the computer to manage its own sesources such	do memory monther, keyboard etc.	The comment of the co	
	T LINO	\$ What is 08?	· OS is a middleware	· An operating conjude har	· For hardwa	phogeons and the application code is and frequently make	a) Why it is required?	Need of Opeke	i) 08 as a platform for Application of the provides a platform, on the	. These program	ii) Managing the old with	. 08 allows the	or memory me		ufill Kation.



d	issmate
Page.	
4) Memory Virtualization	
,	80.0-
Memory Sirtualization & seen as strtual memory /Swap	
the enhances performance by providing greater memory without the expense of adding main memory.	y conacity,
· Memory virtualization decouples volatile RAM resource	ces from
Endividual outens on the Nota contre, & then aga	regates
those resources ento a virtualized memory pool available any computer in the cluster.	led to
any computer in the cluster.	
	1
5) What are diff. types of 03? Explain any one	
Types of 09:	
2) Batch 03	
2) Time-Shaving 03	3
3) Distributed os	
4) Network as	
5) Real-Time as	
6) Multipagaamming 03	
7) Multitasking as	
3) Multiprocessing 0.9	
→ Multiprogramming OS:	William !
· Multiprogragianting means more than one process	Pa main
memory which are ready to execute	U/ ITUIL
Maximize cro utilization	
1. Process generally sequire CPU time & I/o time	
. CPO neva Edle unless there is no process ready to	use.
execute	
Scanned with Car	nScanner







Date
s) Register: CPV registers which Encludes: accumulator, base, registers & general purpose registers 6) Memory limits: The Contains the info about memory manager system used by 0s. This may include the page tables, segment tables etc. 7) Open list: This info includes the list of files opened for a process. 8) Miscellaneous accounting & Status data: This field includes info about the amount of CPV used, time constraints, jabs/process no reto.
Why explain shell is required? A shell is a program which allows a user interactive text based control of the computer. It receives keyboard ilp, echoes it to the screen, of interprets the users ilp to sun commands, then it reads the olp from the commands of sends it to the screen. The way the shell talks to the kernel is by system calls. Those system calls allows the user to do things like open files of create processes. Shell can manipulate the child in strange way.
context switching involves storing the context Istate of a process so that it can be reloaded when required of execution can be resumed from the same point as . This is a feature of a multitasking operating system operating s

