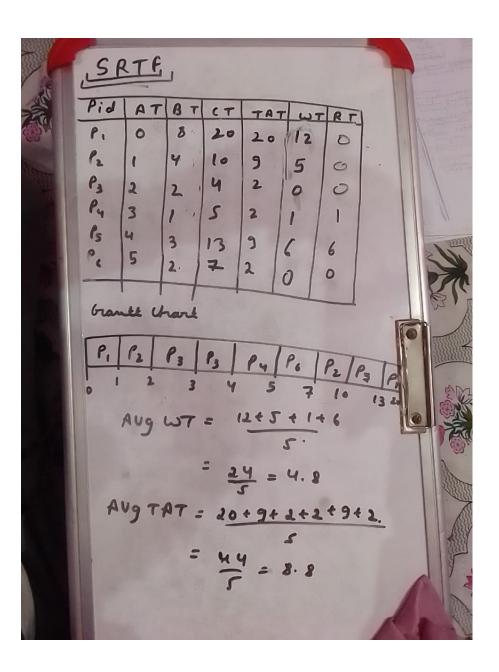
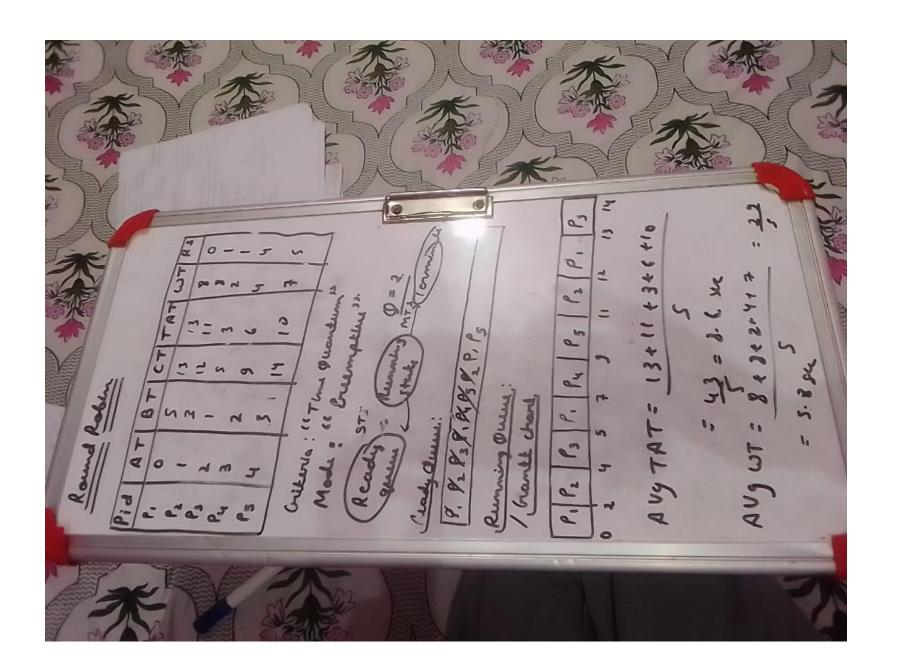
> OPERATING SYSTEM NOTES

PROCESS MANAGEMENT

F.C.F.S

FCFS Prous AT	and S			
P ₁ · 2 P ₂ 5	6 17 15	9		
P3 1	8 11 10			
Ps 4	3 3 3 4 2 19	13		
P4 P3 P1 P5 P2 0 3 11 12 21 24				
aug wt = 40 = 8 aug TAT - 64 = 12.8				
	7	-		





I a) PC B - Brocers Contral Block. ProcessID Brogram Counter Brocess State Crowley Gr PR (Greneral Ruspess Registers) List of open Files ust of open duvus Elowchard to show how P(B switch from process to process Brown Po Operating system interrupt on system tall process P. executing Sam State into PCBo idle Reload State from RB executi Idle Interrupt on system Same state into PCB. idle reload state from PCBo ecishot on realime C2 By Sheetal upreti

non 511 Difference between Symmetric multiprocany asymmetric multiprocessing 1) All processors wu 1) Browssons are not treated equally and treated equally. trans equal chances On Processor is Master. access to the system and the other is slaw 2) Task on processescan. be dynamically assigned Fask on processes to any availably Master processor typically processor in the system trandles system management suchas scheduling, resource. allocation and I/operations Slave processor execut Highly scalably as application specific task. adding more processors
generally lead to. limited scalability as the performance improvement improved system actived by adding more performance and processors depends on the workload and efficiency. through put of task distribution. 5MP's are generally. Simpler in design and. more complex interms of Kardman design, implementation. compared to system archielecture. SMP Systems and soft ware development.

are stored in a structured format (e.g.) 3000, 936>1. Scheduler Dis putchen Dispatchen is susponsible for 1. Scheduler is responsible. actually suitching the CPU for and selecting the from one process to next process to summer. another. the CPU. 2. Level of Operation 2. Level of Operation. operates at lower livel and. Operates at higher level and makes is involved in actual decisions about prous mitching of execution from management prous to prouss. truguency of Operations 3. Erequency of Operations Operates more frequently Operates less frequently. 4. Focuses on shoret term 4. Responsibility. scheduling focuses on long term and medium term. scheduling At's actions are not visible to 5. Visibility users to as it does underlying Its actions are context suitching. quit wisible to users in form of process execution. 277 TIE MY Shot on realme C2 By Sheetal upreti

b) Handheld devices usually have wintual memory system because of this feature is essential for handheld has much applications and due to its handyness it don't has much memory.

Peal Time Operating System (RTOS) uses Batch programming.

not virtual memory because this can create, lating.

Process	Arrival Thus.	Execution	Brianity
PI	0	12	5 (tighest)
P2	2	25	1
R P3	3	3	3
Shot on realme C2 By Sheetal upreti	5	9	4