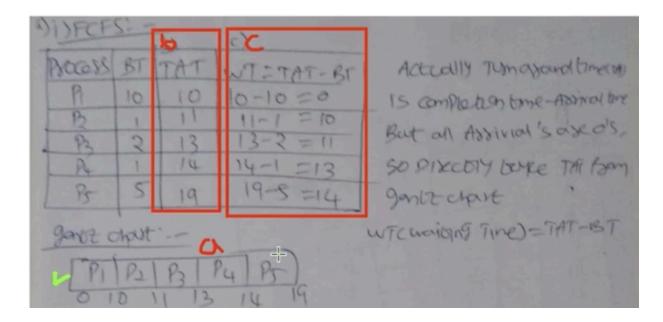
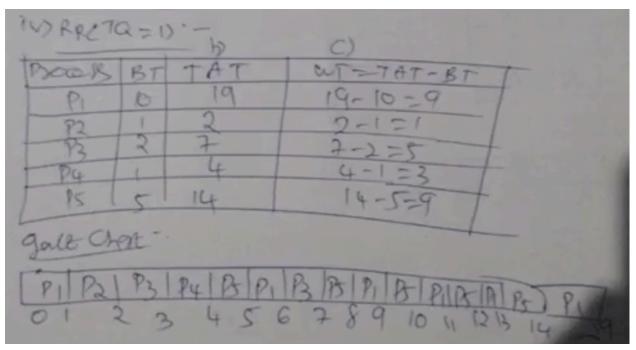
## Q 1: Consider the following set of processes, with the length of the CPU burst given in milliseconds:

Process	Burst Time	Priority
P1	10	3
P2	1	1
Р3	2	3
P4	1	4
P5	5	2



Proces	BT	TAT	WT-TAT-BT	
PI	10	19	19-10=9	
R	1	1	1-1-0	
P3	2	4	4-2-2	
Pa	1	2	2-1=1	
BI	5	9	9-5=4	
gont o	hot.	-		
50	Di.	PalDo		



d) 1) FCFS AV9 WT = Q+10+11+13+14 = 45 = [96]

11) SEF AV9 WT = Q+0+2+1+4 = 16 = [32]

111) ADA DOE PARANCY AV9 WT = G+0+16+18+1 = 41 = [32]

1V) RR AV9 WT = Q+1+5+3+9 = 27 = [32]

AMPAB THOM SOF FOR MINIMAL AV9 WOULDED TIME

SOF IS BEST

Process	Arrival Time	burst Time	
P1 •	0.0	8	
P2	0.4	4	
P3	1.0	1	

\ /				
Arvival Time	Buist Time			
0.0	8			
0.4	4			
1.0	in the state of th			
finding the a				
is non pre-en	ptive scheduling			
Gantt Chart:				
1 P2 P3				
	o.0 0.4 1.0 finding the and is non pre-en			

a] Using F time.	CFS by	inding .	the a	verage turnaround
Since,	FCFS is	non ,	pre-er	ptive scheduling
Gantt				
the second second	P1 8		P3	13
Process	AT+ Arrival Time		(Calculation time)	TAT (Tun around time)
P1	0.0	8	8	(8-0.0) = 8
92	0.4	4	12	(2-0.4)=11.6
P3	1.0	1	13	(3-1)=12

Proces P1 P2 P3 b] Using	0	not 300 40	burst tin	
turk	around tin	ne de	· · · · · · · · · · ·	Achedulina
Sinc	e SJFS	is now prie	engine	Sure Control
Gantt	Chaet:			0
& St. BA	and the	1 3 1	Ji Bayo	1.11
Johnson	PI	P.3 P.	2	The state of the s
Sale Control	0 8	19191	13	200
1		1 07	1	I JAT
trocess	AI	100 LT. 1	(1)	TAT (Turn alon Itim
	(Arrival line)	(== ust lime)	Time	(Turn aroundfin
	0.0	2	-	(8-0.0) = 8
P1 P2	0.4	11		(3-0.4) = 12.6
THE RESERVE TO STATE OF THE PARTY.		1	9	(9-1)=8
P3	1.0		9 1	(9-1)=8