Execute Arrival process Time Time 20-15-5 80-15=65-15 0 = 50-15=35-15 10 20-15=5

10 10

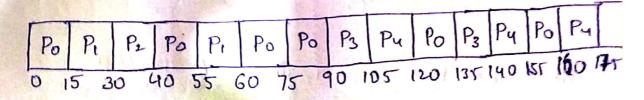
80 20-15=5

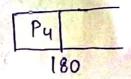
85 J P4 50-15=35 35-15=20-15=5

Quantum = 15

(i) Gantt chart

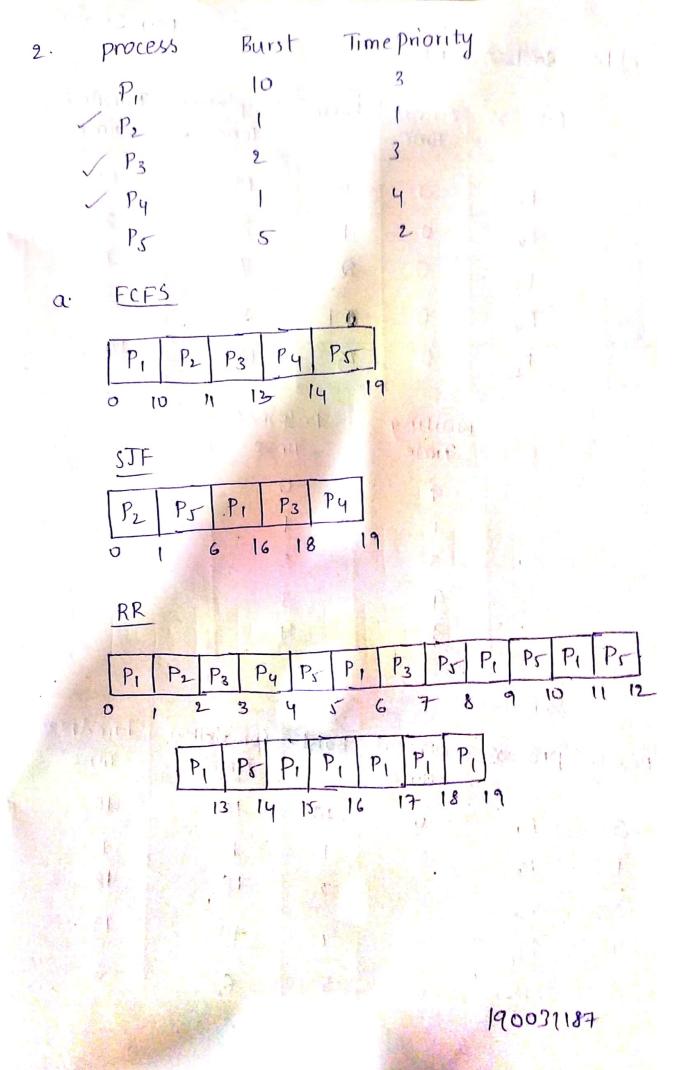
Ready Queue





All the process have been executed

	PA TO T			
process	Execute Time	Amival Time	Completion Time	Turn Around
Po	80	Q	160	160
	20	10	60	50
P ₁ P ₂	10	10	yo	30
P ₃	20	80	lyo	60
Pq	20	85	180	. 95
Waiting Response Time Time 80 0 30 5 20 20 40 10 45 20 The turn around time us process				
$P_{\tilde{3}} = 60$				
(iii) Average Wait time = $\frac{80+30+20+40+45}{5}$ = $\frac{215}{5}$ = 43				



c) b)	(115)	RR	u d	the s	10071187
	process	Anival Time	Burst	completion Time	Tum Amand Time
	Pı	0	10	19	19
	P2_	O	ı	2	2
	P3	0	Ð	7	7
	Py	0	01	5	5
	Ь2	0	5	141	14
waiting <u>Pelponse</u> Time Time					
, <u>, , , , , , , , , , , , , , , , , , </u>		9		0 1 2 2	
		4		3	
7 71	STF	Total and	. 1 1		
pnonty	process	Arrival	Burst	Completion	Turn Amund Time
3	P ₁	0	10	16.	16
1	P ₂	O	The state of the s		distribution of the second
3	P ₃	0	2_	18	18
4	Py	-0	(19	19
2	Pr	0	5	6	6
-	*****		0.9903		to the state of th

FCFS

Process	Anival	Burst	Completion	Turn Around Time
T,	0	10	10	10
P	0		11	11
P3	0	2	13	13
Py	0	1	14	14
Ps	0	7	19	19

waiting Time	Response
0	0
10	10
H	11
13	13
14	14

19.47	-
200	-
Trans. 100	and the same

517		
Waiting	Response	
Time	Time	
6	6	
0	0	
16	16	
18	18	
	想上海	

d) Avg Wait time in PCFS = 48 = 9.6

Avg wait time in STF = 41 = 8.2

Avgwait time in $RR = \frac{28}{5} = 5.6$

$$RR = \frac{28}{5} = 5.6$$