OPERATING SYSTEM (CS-206)

Lecture-5

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FCFS

PID/P#	AT	BT	CT/FT	TAT	WT	14
1	0	7	8	8	1	1
2	0	4	13	13	9	q
3	0	2	16	16	14	14
4	0	5	22	22	17	17
						·

Context Switch
Overhead = 1 time
quantum.

FCFS PID/P# CT/FT WT **AT BT TAT** 7 0 4 3 2 4 mey be 0 18 4 otter CS overhead. CPU 18 19 2021 13 14

TSL - not deing restrictions

- Useful west idle times CPU Total Schedule length (TS2) VH lizertien $21-17\times100$

21

quantum = 3 Contrat switch owrhead RR PID/P# WT RT CT/FT **AT BT TAT** Penaire Ready Quells

CS P1 CS P2 CS P3 CS P4 CS P1 CS P2 CS P4 CS P1 CS

1 4 5 8 9 1 GANTT CHART

6 = 19 WF of 6

Utilization = 27-9 x 100 27 RR

Cis Orushed = 3 tions quantum	,

PID/P#	AT	ВТ	CT/FT	TAT	WT I	
1	0	7	19	19	12 1	2 1 8 10 18
2	2	4	17	15	11 3	024481518
3	4	2	11	17	5 5	
4	0 18	1	21	3	2 2	[P1 12 P3 P1 P2 P1 P4
						7 4 2 5 6
					1	Ready grant
						7 H 2 5 Queme Ready Queme

Utilization = $\left(\frac{22-8}{22}\right)$ x100 $\frac{1}{2}$