

CS 314: Operating Systems Lab

Assignment 3: Process Scheduling

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PART I:

Algorithm	Process	Makespan	Max Completion Time	Avg. Completion Time	Max Waiting Time	Avg. Waiting Time
FIFO	1	1427	1423	1091	1233	887.143
SJF	1	1430	1430	775.857	1420	768.571
PSJF	1	1429	1429	614.571	1216	406.429
RR	1($t=10$)	1431	1431	885.429	1010	674.429
FIFO	2	962	936	600.611	746	547.444
SJF	2	960	934	217.667	92	213
PSJF	2	968	968	195.389	612	114.556
RR	2($t=10$)	961	935	286.778	594	228.778
FIFO	3	2089	2062	1244.67	1937	1070.58
SJF	3	2093	2053	997.167	2038	980.5
PSJF	3	2091	2091	960.917	1695	764.917
RR	3($t=10$)	2096	2057	1266.17	1667	1070.75

PART II:

Algorithm	Process	Makespan	Max Completion Time	Avg. Completion Time	Max Waiting Time	Avg. Waiting Time
FIFO	1	716	723	558.42	483	1729.142
SJF	1	941	718	600.71	513	265.142
PSJF	1	624	720	176.142	505	64.00
RR	1($t=10$)	1429	760	906.571	339	702.714
FIFO	2	479	483	313.277	270	68.722
SJF	2	638	522	250.5	181	88.833
PSJF	2	477	564	51.5	223	22.94
RR	2($t=10$)	961	500	300.778	159	247.611
FIFO	3	1049	1061	643.166	827	6032.25
SJF	3	1289	1065	733.25	676	365.167
PSJF	3	356	1072	53.5	737	60.75
RR	3($t=10$)	2099	1042	1276	666	1101.92