

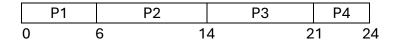
پاسخنامه کوئیز سیستم عامل – دکتر ازهری

مبحث Scheduling

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FCFS Algorithm

Gantt Chart for FCFS:



Avg Waiting Time: (0 + 5 + 12 + 18) / 4 = 8.75

Avg Turnaround Time: (6 + 13 + 19 + 21) / 4 = 14.75

Avg Response Time: Avg Turnaround Time

SJF Algorithm

Gantt Chart for SJF:

	P4	P1		P3	P2	
C)	3	9	1	6	24

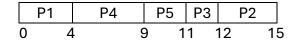
Avg Waiting Time: (0 + 3 + 9 + 16) / 4 = 7

Avg Turnaround Time: (3 + 9 + 16 + 24) / 4 = 13

Avg Response Time: Avg Turnaround Time

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حالت غير قبضهاي/



Avg Waiting Time: (0 + 1 + 5 + 9 + 11) / 5 = 5.2

حالت قبضهاي/

P	1	P2	Р3	P4	P!	5	P2	2	Р	1
0	1	2) ;	3	8	1	10	1	2	15

Avg Waiting Time: ((0+11) + (0+8) + 0 + 0 + 4) / 5 = 4.6