

Name:

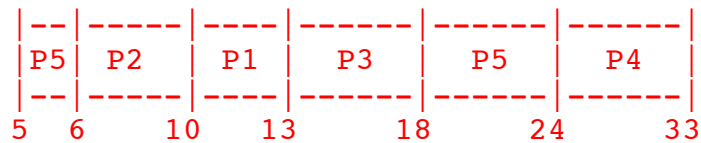
CSE 421/521 – Quiz 1

(Fall 2014)

Consider the following set of processes with the arrival time, priorities, and the length of the CPU burst time given in milliseconds:

Process	P1	P2	P3	P4	P5
Arrival Time	9	6	8	7	5
Priority	5	4	3	2	1
Burst Time	3	4	5	9	7

- a) **(10pts)** Show the Gantt chart for SRTF (Shortest Remaining Time First) algorithm.



- b) **(15pts)** For each process, calculate the following: waiting time, turnaround time, and response time.

Process ID	Waiting Time	Turnaround Time	Response Time
P1	1	4	1
P2	0	4	0
P3	5	10	5
P4	17	26	17
P5	12	19	0