

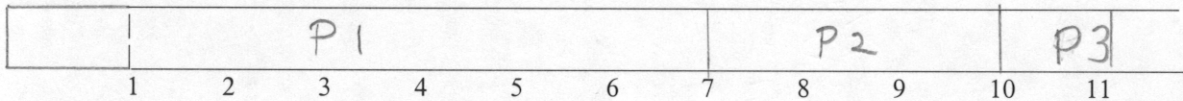
Score _____ Section _____ Name: _____

ECE 3055 Homework 4 - Due Date: Friday, April 13

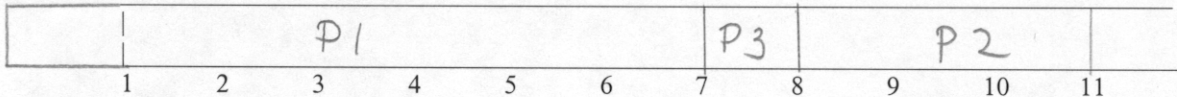
The following processes arrive for execution at the times indicated. Use preemptive scheduling for SRTF and RR and base all decisions on the information you have at the time the decision is made. At arrival time, the burst execution time is known.

Process	Arrival Time	CPU Burst or Execution Time
P1	0.0ms	7ms
P2	1.0ms	3ms
P3	2.0ms	1ms

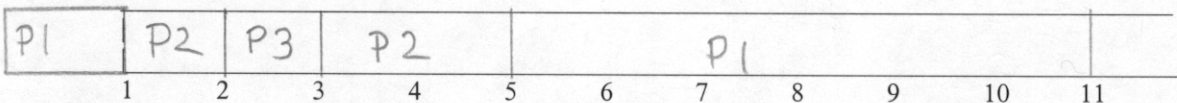
Draw a Gantt chart using FCFS:



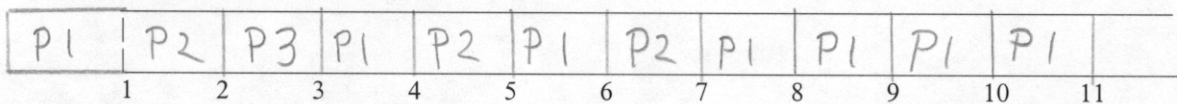
Draw a Gantt chart using SJF (no preemption):



Draw a Gantt chart using SRTF:



Draw a Gantt chart using RR with time slice =1:



subtract arrival time
From end time
What is the average turnaround time for these processes with FCFS? $\frac{7+9+9}{3} = 8.33ms$

What is the average turnaround time for these processes with SJF? $\frac{7+6+10}{3} = 7.67ms$

What is the average turnaround time for these processes with SRTF? $\frac{11+4+1}{3} = 5.33ms$

What is the average turnaround time for these processes with RR? $\frac{11+6+1}{3} = 6.00ms$