Score: Name: ECE 3055 Quiz - CPU Scheduling The following processes arrive for execution at the times indicated. Use preemptive scheduling for SRTF					
and RR. Base all decisions on the information you have at the time the decision is made. At arrival time, the burst execution time is known. For RR, assume a newly arrived process is in the ready queue just prior to its arrival time (i.e. it is already in the tail of the ready queue, just before the running process is stopped and added to tail of the ready queue at a time slice.)					
Process	Arrival Time	CPU B	urst or Execution T	<u>`ime</u>	
Pl	0.0ms	2ms		10 11+	6-411-20
P2	1.0ms	7ms	WT -	(0411	7 + 1/4 = (.1
P3	3.0ms	2ms			0 - / 1
P4	7.0ms	1 ms	-	(2+8+)	8+5)/1 - < DC
P1 0.0ms 2ms P2 1.0ms 7ms $\sqrt{4} = 2.7$ P3 3.0ms 2ms P4 7.0ms 1ms $\sqrt{7} = (2+8+8+5)/4 = 5.75$ Draw a Gantt chart using FCFS:					
PI	P 2			Ъ3	P4
0 1 2	3 4 5	6	7 8 9 WT=	0+1+	$9^{11} + 2)/4 = 2.5$
Draw a Gantt chart using SJF (no preemption): $T = (2+8+9+3)/4 = 5.5$					
p l	PZ			P4	P3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
Draw a Gantt chart using SRTF:					
PIPI	P2 P3	P 2	P4 F	٠ ك	
0 1 2	3 4 5	0 1	27 = 81 +4	+2+1)10+	= 2 12
Draw a Gantt chart using RR with time slice = 1ms: $TT = (3+1)+(+2)/4 = 5$					
PI P2	PI P2 P3	P2 P3	P2 P4	P2 P2	P2
	P1 P2 P3 P2 P3		7 P2 P4 P2	10	11 12
Fill in the table below:					
A	verage Turnaround Time		Average Wait Tin	<u>ne</u>	
FCFS _	5.75		2.75		
SJF	5.5		2.5	_	
(no preemption) SRTF	4		(
(preemption)			-		

RR