Score: Name:										
ECE 3055 Quiz – November 18, 2008										
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 ready queue just before a running process is stopped and added to tail of the ready queue at a time slice.)										
tan of the ready queue at	a time shee.									
Process Arrival Time			CPU Burst or Execution Time							
P1	0.0ms		5ms							
P2	1.0ms		2ms							
P3 P4	3.0ms 4.0ms		4ms 1ms							
<b>r</b> 4	4.0IIIS		11118							
Draw a Gantt chart using FCFS:										
DI		1	72		P 3			P	+!	
0 1 2	3 4	5	6	7	8	9	10	11		
0 1 2	3 4	3	U	,	0	7	10	11	12	
Draw a Gantt chart using	SJF (no preempt	tion):								
0,		104	1	D v	T	P	3		_	
		111		<u> </u>			<u>)                                    </u>			
0 1 2	3 4	5	6	7	8	9	10	11	12	
Draw a Gantt chart using	SRTF:									
0.1.00	10 0	. 1	<u> </u>		T	Ď,	2			
PIPL	14116	T	Ρl		1	Γ,	3		i	
0 1 2	3 4	5	6	7	8	9	10	11	12	
Draw a Gantt chart using RR with time slice = 1ms:										
PI PO DI	102 D.	3   01	P4	Pa	DI	103	DI	10	3	
11211	11011	<u> </u>	1.1	113	11 (	11 3	111	15		
Fill in the table below:	P3 P4	P T T	၉ <mark>૩</mark> ၂	P3	рў РЗ	61 63	F 3	PB	12	
Average Turnaround Time Average Wait Time										

FCFS 6.75	3.75
5.75	2.75
(no preemption) SRTF	2
(preemption) RR 6.5	3,5