## Assignment 2

## Part E

1. Consider the following processes with arrival times and burst times: Calculate the average waiting time using First-Come, First-Served (FCFS) scheduling.

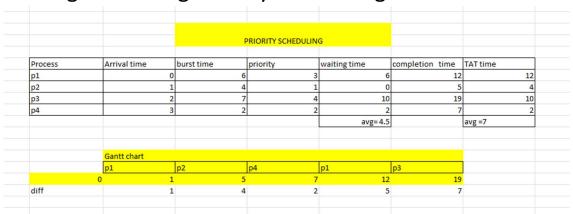
			FCFS SCHEDULING				
Process	Arrival time	Burst time	Cpu allocation time	waiting time	completion time	TAT time	
P1	0	5	0	0	5	5	
P2	1	3	5	4	8	7	
P3	2	6	8	6	14	12	
				Avg=3.33		Avg=8	
				cpu alo-comp tym		comp-arrival	
			Gantt chart				
			P1	P2	P3		
		0	5	8	14		

2. Consider the following processes with arrival times and burst times: Calculate the average turnaround time using Shortest Job First (SJF) scheduling.

		SJF SCHE	EDULING			
Process	arrival time	burst time	CPU allocation time		completion time	TAT
	arrival time	burst time	CPO allocation time	waiting time	completion time	IAI
P1	0	3	0	0	3	3
P2	1	5	3	7	13	12
P3	2	1	4	1	4	2
P4	3	4	8	1	8	5
						avg=5.5
		Gantt chart				
		P1	p3	P4	P2	
	0	3	4	8	13	

3. Consider the following processes with arrival times, burst times, and priorities (lower number

indicates higher priority): Calculate the average waiting time using Priority Scheduling.



4. Consider the following processes with arrival times and burst times, and the time quantum for Round Robin scheduling is 2 units: Calculate the average turnaround time using Round Robin scheduling.

