

Name : .....

ID:.....

1. Describe the following scheduling algorithms: Non Pre-Emptive: FCFS; SJF  
Given the following processes and burst times

Process	Burst Time
P1	7
P2	6
P3	2
P4	9
P5	31
P6	19
P7	3

Calculate the average waiting time and turnaround time when each of the above scheduling algorithms is used?

2. The Round Robin (RR) CPU scheduling policy preempts an executing process via a system parameter called *time quantum*. Using the RR policy with a time quantum of 50 time units, construct a Gantt chart and compute the waiting time for the 5 processes tabulated below: **[10]**

Process	Burst Time	Arrival Time
P1	135	0
P2	102	150
P3	56	200
P4	148	300
P5	125	380