

Name :

ID:.....

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

Process	Burst Time
P1	19
P2	6
P3	12
P4	9
P5	3
P6	7
P7	13

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	125	0
P2	112	150
P3	56	200
P4	148	300
P5	115	380