DS5110/CS5501 CPU Scheduling Worksheet

Consider the following set of four jobs (processes). Shown are the required CPU run-time of each process.

Job	Run-Time
P1	8
P2	4
P3	2
P4	1

Assume all jobs arrive simultaneously at time 0: a) Draw the Gantt charts to illustrate the execution of these 4 jobs with the following scheduling policies; b) Calculate the average turnaround time for each question.

Q1. Shortest Job First (SJF)

Q2. Round-Robin (RR) with a time slice of 3 (assuming the arrival order as follows: P1,P2,P3,P4)

Q3. Assume P1 arrives at time 0, P2 arrives at time 3, and P3 and P4 arrive at time 4. For Shortest Time-to-Completion First (STCF) scheduling policy.