

## Quiz 2

<u>Process</u>	<u>Arrival Time</u>	<u>Burst Time</u>	<u>Priority</u>
$P_1$	0.0	8	10
$P_2$	0.4	4	2
$P_3$	0.5	1	10
$P_4$	0.8	2	1
$P_5$	1.0	2	5

- E1) Draw **four Gantt charts** that illustrate the execution of these processes using the following scheduling algorithms:
- E1.1) FCFS;
  - E1.2) preemptive SJF;
  - E1.3) preemptive priority (SJF if priority is equal);
  - E1.4) RR (quantum=2).
- E2) What is the **turnaround time** of each process for each of these four scheduling algorithms?
- E3) What is the **waiting time** of each process for each of these four scheduling algorithms?
- E4) Which of the algorithms results in the **maximum overall turnaround time** (over all processes)?