Assessment 6 Scheduling

1. Always One has list out all jobs as in **Table 1** that need to be processes at their machine centre. Based on calendar, today is day 250. In what sequence would the jobs be ranked according to the following rules FCFS, EDD, SPT and LPT. Which rule is the best?

   Table 1: Job list

Job	Date Job Received	Production days needed	Date job due
1	215	30	260
2	220	20	290
3	225	40	300
4	240	50	320
5	250	20	340

2. The following set of seven jobs as in **Table 2** is to be processed through two work centres at Mad Copier printing company. The sequence is first printing, then binding. Processing time at each of the work centres is shown in the following table.

   Table 2: Details of Jobs at Mad Copier

Job	Printing (Hours)	Binding (hours)
1	15	3
2	7	9
3	4	10
4	7	6
5	10	9
6	4	5
7	7	8

   a) What is the optimal sequence for these jobs to be scheduled?
   b) What is the idle time in the binding shop, given the optimal solution?