Chapter 7 (first part)

Load:
Jobs arrive every 25 seconds. Service time is 10 seconds. What is the system load.

Wait time:
Service time is 10 seconds. There are 5 jobs in the wait queue. What is your expected wait time.

For the next 3 questions you have jobs with the following processing times: 120, 350, 110, 240, 750, 400, xxx. Here xxx is formed using your last 3 magic numbers. For example if you magic numbers are 4 3 5 6, then xxx is 356.

Shortest Job next:

Give a Gantt chart for the shortest job next algorithm

Highest Priority First:

Assuming the 7 jobs have priorities 7 2 4 6 5 1 3 (in the order shown); Give a Gantt chart for the highest priority first algorithm

Earliest Deadline First

Assuming the deadlines are: 475 750 200 1000 1500 2000 600; Give a Gantt chart for the earliest deadline first algorithm

Submit: Your answers and charts on a handwritten or printed sheet of paper. No demo this time.