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.