

CG2271 Real Time Operating Systems
Tutorial 7
Scheduling Algorithms

1. Given a set of tasks with the following specifications:

Task	C_i	P_i
P1	2	6
P2	3	8
P3	4	15

- a. What is the CPU utilization of this set of tasks?
 - b. Is this set of tasks RMS schedulable under the L&L criteria?
 - c. Is this set of tasks RMS schedulable under Critical Instant Analysis?
 - d. Schedule the tasks using RMS
 - e. Schedule the tasks using EDF
2. Briefly show that, in Critical Instant Analysis, if $S_{i,m} > P_i$, task P_i may not meet its deadlines.