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Daffodil International University Faculty of Science & Information Technology Department of Computer Science & Engineering Mid Semester Examination, Fall 2024 Course Code: CSE 323, Course Title: Operating Systems Level: 3 Term: 2 Batch: 61

Marks: 25

Time: 01:30 Hrs

The figures in the right margin indicate the full marks and corresponding urse outcomes. All portions of each question must be answered sequentially.]

System calls in LINUX Burst Time (BT) in neduling in order to	[4] [3] [8]	CO2 CO3
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	7 3 4 13 5 9 rage Turn Around time.	$ \begin{array}{r} 7 \\ 3 \\ 4 \\ 13 \\ 5 \\ 9 \end{array} $



b) You have a set of processes with arrival times, burst times, and priorities.
 Apply preemptive Priority Scheduling algorithm and FCFS tie breaking.
 Higher value in priority column represents higher priority.

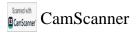
Id. 1	Arrival Time	Burst Time	Priority
P0 ·	0	5	3
P1	1	3	1
P2 ·	2	8	2
P3	3	4	2
P4	4	2	1
P5.	5	1	3
P6	6	4	4-14

i. Construct the Gantt chart.

ii. Identify the average Waiting Time and the average Turn Around time.

iii. Identify the average Response Time and Throughput.

iv. Analyze the performance of Priority Scheduling Algorithm in terms of scheduling criteria.



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[7]