CSE321: Operating Systems

Quiz-2

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ACTIVITY OF					

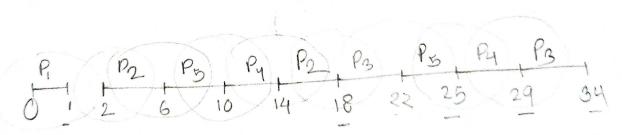
[CO3] Apply Round Robin (RR) scheduling algorithm with quantum = 4 and show the following -

- Gantt Chart
 Average Waiting Time & Average Turnaround Time
 2 Marks
 2 Marks
 1 Marks
 - Number of Context Switching 1 Mark

	(1		1	
Process ID	Arrival Time	Burst Time	CT	TAT	WT
✓ P1	0	No	1	1	0
✓ P2	2	84	18	16	8
Р3	8	95	34	26	17
√ P4	3	846	29	26	18
✓ P5	3	230	25	22	150-4
		70			-0-

Grant Chart

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[CO3] Apply preemptive Shortest Remaining Time First (SRTF) scheduling algorithm and show the following -

Gantt Chart
 Average Waiting Time & Average Turnaround Time

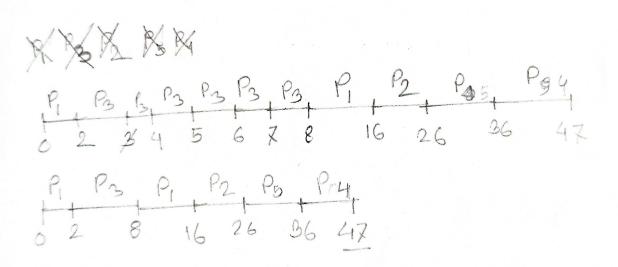
2 Marks

2 Marks

Number of Context Switching

1 Marks

			1
Pr	ocess ID	Arrival Time	Burst Time CT TAT WT
/	Pl	0	1680 16 16 6
V	P2	2	100 26 24 14
V	Р3	2	8 b 4 2 8 6 0
	P4	7	11 42 2 4 90 29
~	P5	7	10 36 29 19



4

CSE321: Operating Systems

Quiz-2

Name: PRIONTO KUMAR (HOUDHUMID: 1930 1089 Section: 03.

[CO3] Apply Round Robin (RR) scheduling algorithm with quantum = 4 and show the following -

Gantt Chart	2 Marks
Average Waiting Time & Average Turnaround Time	2 Marks
Number of Context Switching	1 Marks

			1			
	Process ID	Arrival Time	Burst Time	CT	TAT	TW
garanti,	P1	0	168/2	28	28	18
-	P2	,2 ~	7	Z	5	2
Sacret	Р3	7	8 811	35	28	19
***	P4	4	170	26	22	15
Supplied	P5	9	1620	34	25	19

Content Switch?

[CO3] Apply Preemptive Priority scheduling algorithm and show the following -

Gantt Chart

2 Marks

• Average Waiting Time & Average Turnaround Time

2 Marks

Number of Context Switching

1 Marks

			-					
	Process ID	Arrival Time	Burst Time	Priority	CT	TAT	WT	
	P1	0	10	2	1	1	0	
-	P2	3	И	4	22	19	8	
	Р3	8	4	1	12	4	0	
-	P4	1	8	5	30	29	21	
	P5	1	6	3 -	X	6	0	
			148	1				

X	By F	4 12 18							0	
	Pi	P5 Ps	B	P5	1 9	5 3	P3	-	P2 1	P4
	bi	Q	5	4	5	7	8	12	2	2 30

> Avg TAT = 11.8 Avg WT = 5.8

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