OS227 Quiz on ch6: Cpu Schedueling

				2 points
	ollowing processes arrive fo the amount of the time liste		ndicated below. Each	
	questions, please use the formation you have at the ti			
chart to find the an		ine the decision must be n	lade. (Hilli. Ose Galitt	
Question Completion Statu	s:			
P1	0.0	4		
P2	0.5	5		
Р3	3.0	3		
P4	7.0	2		
The Average Turnar	round time for these process	ses when applying FCFS sch	eduling algorithm is	
(Hint: Average waiti		ses when applying reas sen	edding digorienin is	
7.125				
7.725				
6.125				
6.5				
QUESTION 2				2 points 🗸 Saved
The Waiting Times	when applying FCFS sche	eduling algorithm for proc	esses (Hint: Average	
waiting time = 3.625	5)		(
P1=0, P2=4.5, P3				
P1=0, P2=3.5, P3	3=6, P4=5			
P1=3.5, P2=0, P3	3=6, P4=5			
P1=3.5, P2=0, P3				
		Mark Mark		150
	3=6, P4=0	Ron Preen	~Alme \	
	3=6, P4=0	Ron Preen	whose;	
	3=6, P4=0	Ron Preen	Ame:	
	3=6, P4=0	Ron Preen	Mine;	
	3=6, P4=0	Ron Preen	whe:	
	3=6, P4=0	7782	Alre:	
P1=5, P2=3.5, P3	fcfs ->	77 82 1 A Pan, 19	More:	
	3=6, P4=0	77 82 1 A Pan, 19	whome:	
P1=5, P2=3.5, P3	Fcfs → R2 12	77 82 1 A Pan, 19	Mre:	
P1=5, P2=3.5, P3	fcfs ->	PA 19	4	
P1=5, P2=3.5, P3	Fcfs → R2 P3 12	PA 19	Sin-Arri	ve TT-€b
P1=5, P2=3.5, P3	Fcfs → R2 12	PA 19	Sin-Arri	ν _ε ττ-ε _b ωτ
P1=5, P2=3.5, P3	fcfs -> Rep 9 12	Paris Paris Dime	4	TT-Eb
P1=5, P2=3.5, P3	Fcfs → R2 P3 12	PA 19	Sin-Arri	WT TT-€b
P1=5, P2=3.5, P3	Fcfs -> Pr 12 Arrive	Pa, 14 blime	Sin - Arri 40 = 4	4-4=0
P1=5, P2=3.5, P3 P1 P1 P2	Fcfs -> Rrive Co.5	Pa,	Sin-Arri	4-4=0
P1=5, P2=3.5, P3	Fcfs -> Pr 12 Arrive	Pa, 14 blime	Sin - Arri 4-0 - 4 9-0.5 = 83	4-4=0 8:5-5=3
P1=5, P2=3.5, P3	Fcfs -> Rep 9 12 Arrive 0.5 3.0	Pa 14 14 14 14 14 14 14 14 14 14 14 14 14	Sin - Arri 4-0 - 4 9-0.5 = 83 12-3 = 9	4-4=0 8:5-5=3 9-3=6
P1=5, P2=3.5, P3 P1 P1 P2	Fcfs -> 82 18 12 Residence 12 13 10 13 10	Pa la	Sin - Arri 4-0 - 4 9-0.5 = 83	4-4=0 8:5-5=3
P1=5, P2=3.5, P3	Fcfs -> Rep 9 12 Arrive 0.5 3.0	Pa 14 14 14 14 14 14 14 14 14 14 14 14 14	Sin-Arri 4-0-4 9-0.5-83 12-3-9 14-7-7	4-4=0 8:5-5=3 9-3=6 7-2=5
P1=5, P2=3.5, P3	Fcfs -> Rep 9 12 Arrive 0.5 3.0	Pa 14 14 14 14 14 14 14 14 14 14 14 14 14	Sin-Arri 4-0-4 9-0.5-83 12-3-9 14-7-7	4-4=0 8:5-5=3 9-3=6 7-2=5
P1=5, P2=3.5, P3	Fcfs -> Rep 9 12 Arrive 0.5 3.0	Pa 14 14 14 14 14 14 14 14 14 14 14 14 14	Sin - Arri 4-0 - 4 9-0.5 = 83 12-3 = 9	4-4=0 8:5-5=3 9-3=6 7-2=5

scheduling algorithm is (Hint: Average Turnaround time = 5.875) $^{\circ}$ P ₁ =4, P ₂ =13.5, P ₃ =4, P ₄ =0 $^{\circ}$ B ₁ =2, P ₂ =15.5, P ₃ =2, P ₄ =4 $^{\circ}$ C ₁ =4, P ₂ =13.5, P ₃ =4, P ₄ =2 $^{\circ}$ D ₁ =2, P ₂ =12.5, P ₃ =5, P ₄ =4 QUESTION 4 The average variing time when applying the Shortest Remaining Time First (Preemptive SIF) scheduling algorithm is (Hint: Average Turnaround time = 5.875) $^{\circ}$ B ₃ 0 $^{\circ}$ C ₂ 5 $^{\circ}$ D _{2.375} SR T F \rightarrow Preamtive: Sur can Jtap Sim at As a harmonic of the surface of the surf	QUESTION 3	2 points Saved
\$\$ P_1=2, P_2=155, P_3=2, P_4=4\$ \$\$\$ C_{P_1=4}, P_2=135, P_3=4, P_4=2\$ \$\$\$ D_{P_1=2}, P_2=12.5, P_3=5, P_4=4\$ QUESTION 4 The average waiting time when applying the Shortest Remaining Time First (Preemptive SIF) scheduling algorithm is (Hint: Average Tumaround time = 5.875) \$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$\$ \$\$\$\$\$\$\$\$\$\$\$	The Turnaround time for these processes when applying the Shortest Remaining Time First (Preemptive SJF) scheduling algorithm is (Hint: Average Turnaround time = 5.875)	
© $C_{P1=4}$, $P2=13.5$, $P3=4$, $P4=2$ © $D_{P1=2}$, $P2=12.5$, $P3=5$, $P4=4$ QUESTION 4 The average waiting time when applying the Shortest Remaining Time First (Preemptive SJF) scheduling algorithm is (Iffair. Average Turnaround time = 3.875) B 3.0 C 2.5 D 2.375 S R T F \rightarrow Preamtive: You can Jtop Sim of A 4-0-4	A. P1=4, P2=13.5, P3=4, P4= 0	
QUESTION 4 QUESTION 4 The average waiting time when applying the Shortest Remaining Time First (Preemptive SJF) scheduling algorithm is (Hint: Average Turnaround time = 5.875) $\begin{array}{c} A_{3.375} \\ B_{3.0} \\ C_{2.5} \\ D_{2.375} \\ \end{array}$ SR TF \rightarrow Preamtive: Low can Stop Simed A	B. P1=2, P2=15.5, P3=2, P4=4	
QUESTION 4 The average valing time when applying the Shortest Remaining Time First (Preemptive SIF) scheduling allowing its (Hint. Average Turnaround time = 5.875) $^{\circ}$ $^{$	© C. P1=4, P2=13.5, P3=4, P4= 2	
The average waiting time when applying the Shortest Remaining Time First (Preemptive SJF) scheduling algorithm is (Hint: Average Turnaround time = 5.875) $^{\circ}$	© D. P1=2, P2=12.5, P3=5, P4= 4	
SRTF \rightarrow Preantive: You can Jtop SRTF \rightarrow Preantive: You can Jtop Smar Ao cb TT WT P1 O 4 4-0=4 0 P2 0.5 5 14-3.5 135.5 P3 3.0 3 1-3-4 4-1 P4 2 9-7-2 2-2=0 5.875 2.375 Avg	QUESTION 4	2 points Saved
SRTF -> Preamtive: You can Stop Simular A cb TT WT P1 0 4 4-0-4 0 P2 0.5 5 14-70.5 13.5.5 P3 3.0 3 1-3-4 4.1.1 P4 2 9-7-2 2-2-0 5.875 2.375 Avg P1 P3 P4 P2 1.588 7 9 14	The average waiting time when applying the Shortest Remaining Time First (Preemptive SJF) scheduling algorithm is (Hint: Average Turnaround time $= 5.875$)	
SRTF -> Preantive: You can Stop Sim a A cb TT VT P1 0 4 4-0-4 0 P2 0.5 5 14-19.5 135.5 P3 3.0 3 1-3-4 4.1 P4 1 2 9-7-2 2-2-0 5.875 2.375 Avg P1 P3 P4 P2 1.58 4 9 14	^A 3.375	
SRTF -> Preantive: You can Jtop Smar A cb TT WT P1 0 4 4-0-4 0 P2 0.5 5 14-70.5 13.5.5 P3 3.0 3 1-3-4 4-3-1 P4 2 9-7-2 2-2-0 5.875 2.375 Avg P1 P3 P4 P2 1.585 14 P2 1.586 14 P2 1.586 14 P2 1.586 14 P2 1.586 14 P2	[®] 8.3.0	
SRTF -> Preantive: you can Jtop Sind A cb TT WT P1 0 4 4-0-4 0 P2 0.5 5 14-79.5 13.5.5 P3 3.0 3 1-3-4 4-1.1 P4 1 2 9-7-2 2-2-0 5.875 2.375 Avg P1 P3 P4 P2 1.585 14 P4	⁰ ^{C.} 2.5	
SRTF -> Preantive: you can Jtop Sind A cb TT WT P1 0 4 4-0-4 0 P2 0.5 5 14-79.5 13.5.5 P3 3.0 3 1-3-4 4-1.1 P4 1 2 9-7-2 2-2-0 5.875 2.375 Avg P1 P3 P4 P2 1.585 14 P4	® D. 2.375	
SRTF \rightarrow Preamtive: 2011 can Stop Sim M A =b TT WT P1 0 4 4-0-4 0 P2 0.5 5 14-70.5 13.5.5 P3 3.0 3 1-3-4 4-3-1 P4 2 9-7-2 2-2-0 5.875 2.375 Avg P1 P3 P4 P2 1.584 1 9 14		
SRTF \rightarrow Preamtive: 2011 can Stop Sim M A =b TT WT P1 0 4 4-0-4 0 P2 0.5 5 14-70.5 13.5.5 P3 3.0 3 1-3-4 4-3-1 P4 2 9-7-2 2-2-0 5.875 2.375 Avg P1 P3 P4 P2 1.584 1 9 14		
SRTF \rightarrow Preamtive: 2011 can Stop Sim M A =b TT WT P1 0 4 4-0-4 0 P2 0.5 5 14-70.5 13.5.5 P3 3.0 3 1-3-4 4-3-1 P4 2 9-7-2 2-2-0 5.875 2.375 Avg P1 P3 P4 P2 1.584 1 9 14		
SRTF \rightarrow Preamtive: 2011 can Stop Sim M A =b TT WT P1 0 4 4-0-4 0 P2 0.5 5 14-70.5 13.5.5 P3 3.0 3 1-3-4 4-3-1 P4 2 9-7-2 2-2-0 5.875 2.375 Avg P1 P3 P4 P2 1.584 1 9 14		
SRTF \rightarrow Preamtive: 2011 can Stop Sim M A =b TT WT P1 0 4 4-0-4 0 P2 0.5 5 14-70.5 13.5.5 P3 3.0 3 1-3-4 4-3-1 P4 2 9-7-2 2-2-0 5.875 2.375 Avg P1 P3 P4 P2 1.584 1 9 14		
SRTF \rightarrow Preamtive: 2011 can Stop Sim M A =b TT WT P1 0 4 4-0-4 0 P2 0.5 5 14-70.5 13.5.5 P3 3.0 3 1-3-4 4-3-1 P4 2 9-7-2 2-2-0 5.875 2.375 Avg P1 P3 P4 P2 1.584 1 9 14		
Simes A ab TT WT P1 0 4 4-0-4 0 P2 0.5 5 14-305 13.5.5 P3 3.0 3 1-3-4 4-3-1 P4 1 2 9-7-2 2-2-0 5.875 2.375 Avg	10 to Part Moster 240 }	
Simes A ab TT WT P1 0 4 4-0-4 0 P2 0.5 5 14-305 13.5.5 P3 3.0 3 1-3-4 4-3-1 P4 1 2 9-7-2 2-2-0 5.875 2.375 Avg	SRTE -> Preamtive: Lou can	Stop
P1 0 4 4-0-4 0 P2 0.5 5 14-70.5 13.5.5 P3 3.0 3 12-3-4 4-3-1 P4 7 2 9-7-2 2-2-0 5.875 2.375 Avg		
P1 0 4 4-0-4 0 P2 0.5 5 14-70.5 13.5.5 P3 3.0 3 12-3-4 4-1.1 P4 1 2 9-7-2 2-2-0 5.67-5 2.375 Avg		
Pros 5 14-70,5 13.5.5 Pros 3.0 3 1-3-4 4-1-1 1 1 1 1 1 1 1 1 1		
P ₃ 3.0 3 1-3-4 4-3.1 P ₄	P1 0 4 4-0-4 0	
P ₃ 3.0 3 1-3-4 4-3-1 P ₄	P2 0.5 5 14-05 135.5	
PA B 2 9-7-2 2-2=0 5.875 2375 Avg P1 P3 P4 P2 1.585 2 94 14	-135 - 135	
5.675 2.375 Avg	4-):	
5.875 2.375 Avg	P4 7 2 9-7-2 2-2=0	
5.875 2.375 Avg	The Fed Start Line	
P1 P3 P4 P2 14	5875 2375	+ va
0.5 8. 1 9 14 0 4 P4	- 0-p / b / 0 = 1	, d
0.5 8. 1 9 14 0 4 P4	P1 P2 . P. C. P2	
1 4 P4		Market Considerable Annual After Recognision of the Period
. ()	14	
the state of the s	11 Pz 2 14	

QUESTION 5

2 points Saved

The Average Turnaround time for these processes when applying the Round Robin (Time Quantum =4) scheduling algorithm is (Hint: Average waiting time = 4.375)

- B. 7.5
- ⊚ C. 9.5
- D._{7.875}

QUESTION 6

2 points V Saved

The Waiting Times with the Round Robing scheduling algorithm (Time Quantum =4) for processes are (Hint: Average waiting time = 4.375)

- A. P1 = 4 ; P2 = 8.5; P3 = 5; P4 = 0
- ^{B.} P1 = 0 ; P2 = 7.5; P3 = 6; P4 = 4
- C. P1 = 0 ; P2 = 8.5; P3 = 5; P4 = 4
- D. P1 = 3; P2 = 8.5; P3 = 2; P4 = 4

