Advanced Operating Systems Design – Spring 2022 Quiz (02/03/2022) due by 02/05/2022 at 11:59pm

Student Na Student R#		_ (First Last)			
Score:	•	(Total: 3%)			
	(1%) Critical Region action (shown below) is		iding	g race conditions. Wh	nat are the issues of thi
v }	while (TRUE) { while (turn != 0) critical_region(); turn = 1; noncritical_region();	/* loop */ ;		ile (TRUE) { while (turn != 1) critical_region(); turn = 0; noncritical_region();	/* loop */ ;
	(a)			(b)	

Question 2: (1%) Processes

In Operating Systems, what are processes?

What are the different states of a process? (Please explain these states)

Question 3: (1%) CPU Utilization
On a single CPU system, we have 2 processes running concurrently, with the same I/0 percentage = 60%.
What are the CPU Utilizations in the average case, best case, worst case?