13341	Camin
	Roll No. 66 Salam Tutorial - 5
	Roll No. 66 Operaciting System Tutorial - 5
Q.1	C in tralized with value 1.
5	10 processes. All processes have the same code as given below, one process P10 has signed (s) in
	place of my (s) It all process
	muluple times, then the moximum number of process which can be in contical section together
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
10	While (true)
	weut(s);
	signal(s);
15	
	Code for P1, P2, P9 (ode for P10
	while (true) while (true)
20	<u>{</u>
	wait(s); Signal(s);
	CrS. (-S.
	signal(s);
25	
	All the 10 processes oun be in critical section
	together.
30	
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1	
	1. Process P1 emires, it performs the wait
	operaction on semphone and sets it's value to 0.
	and then entros the entical section
5	ii Then process P2, P3, P9 arrives and gets
	blacked and one put to sleep in waiting list
	awile P1 is executing
	iii Process P10 armine and performs signal
	operation.
10	iv One process(12) from westing Dist is evalues up and
	ean enter entical section.
	v P10 enters critical section and alining exit
	it perform signal operaction again and next
	process from welling list (1e. P3) entirents
15	C.S.
	VI P10 executes repealedly and worker ups 2
	many execution.
	VII In this manner, all processes get enry inside
	the C.S.
20	
	1 All
(2.2	Consider semaphone s initialized with walk 1. All
25	the maximum number or frace
	C.S. bogetter?
	While (true)
	walt(s);
30	(-S)
	signal(5);
-	

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-	
	Camlin Page
	Date 1
	D4 A
	eode for P10
_	Code for 11,12,
	While (thre)
100	While (mee)
	signal(s);
1 11	Wait(s);
	C.s.
	signal (s);
	}
10	o can be in
	The maximum processes that can be in
	C.S. togerther one 3
4 2 3	P2. P3
	P1 entire and entires C.S. rest of P2, P3,
15	49 stuys/enter into wouting list
	of the state of th
	P10 arrives and the one process from
	waiting list jer P2 will enter C.S. and after
	that P10,
20	In this manner, a property leaves the
	C.S. the moximum number present at same
	time will be 3
	L. 1st work and the man state will be a second of the second
	· · · · · · · · · · · · · · · · · · ·

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