Define TC, N, M, and P_2 as semaphores where N=10, M=1 and $P_2=0$, TC=0

¿Produce Item> Signal (M).	P2 Wast (P2) Wast (M). <amplete pood=""> Signal (M) Signal (IC)</amplete>	consumer wast (IC). wast (M). Lonsumer Signal (M) Signal (M).
Signal P2	Sigma (20)	

- If complete Synchronization is not achieved you would have Lost 50% Marks
- Some of you have written code where Pi can on A produce mext I term um kill P2 has completed production. In this case, you completed production. In marks.
- sema phore variables to -ve value,
 you would have lost complete marks.
- you can only perform wast I signal operation on sema phore variables. operation on sema phore variables. you can not compare or decrement or you can not sema phore variables. In crement sema phore variables. In such a case, you would have lost complete morks.

82 Semaphore P=2, Q=0, R=0, m=1Shared Variable Count CT = 0 R @ Q. Wout (R). wast (a) Wait (P) walt (M). wait (a). wat (M) Signal (M) CT=CT+1; Signol(R) If $(c\tau = 2)$ them. Signal (a) signal (R). { Signal (P); Signal (M). signd (P); CT = 0 Signal (M) Solution Using only sema phoses. M=2, $\delta=0$ wait(R). P = 2 wall (A) wast (P). woult (a). Signal (P). wat (m) walt (M). Signal (M). wast (m) walt (M) 4 > < > Signal (R) Signul (m) Signul (R). Signal (M) I'm this solution if i'm Process P you write Signer (a). them the solution is wrong (find why?). Walt (M) There also check the comments written in Q1