Dashboard / My cou	rses / <u>Distributed Systems</u> / Slip Tests / <u>Slip Test-2</u>	
State Completed on Time taken Marks	Monday, 30 January 2023, 2:35 PM  Finished  Monday, 30 January 2023, 2:44 PM  8 mins 9 secs  15.00/40.00  3.75 out of 10.00 (38%)	
Question <b>1</b> Incorrect Mark 0.00 out of 10.00		
☑ a. Yes ☐ b. No	wala's Algorithm discussed; does the algorithm require a heap data structure?  e the timestamps of those processes who are neither in Critical Section nor waiting to enter the critical section	×
Your answer is inco The correct answer No		
Question <b>2</b> Correct Mark 10.00 out of 10.00		
<ul><li>b. The Ricart A</li><li>✓ c. The Lampor</li></ul>	grawala's algorithm with work for non-FIFO system of messages  grawala's algorithm with work only for FIFO system of messages  t Algorithm for Mutual Exclusion works only on FIFO system of messaging  t Algorithm for Mutual Exclusion can work on a non-FIFO system of messaging	<b>~</b>

Partially correct
Mark 5.00 out of 10.00
Consider the case where process Pi would like to re-enter the CS immediately after exit. Prof A proposes a modified version of Ricart Agarwala's algorithm where: if a process Pi would like to re-enter CS immediately; then Prof A's algorithm allows it to do so without sending out request messages at all. It quietly enters CS and then sends out the reply messages to all processes Pj for which RD[j=1. For such an algorithm; mark the correct choices GMT is greenwich mean time or Global understanding of time.
a. The algorithm is incorrect since two processes might enter the CS at the same time
☑ b. The algorithm ensures that no two process enter the CS at the same time
<ul> <li>c. In Ricart Agarwala's algorithm the process who raised the request first by GMT gets the CS first but Prof A's algorithm does not ensure this.</li> </ul>
d. Both Ricart Agarwala's algorithm and Prof A's algorithm ensures that the process who raised the request first by GMT gets the CS first
<ul> <li>e. Both Ricart Agarwala's algorithm and Prof A's algorithm do not ensure that the process who raised the request first by GMT gets the CS first</li> </ul>
Your answer is partially correct.  You have correctly selected 1.  The correct answers are:
The algorithm ensures that no two process enter the CS at the same time,  Both Ricart Agarwala's algorithm and Prof A's algorithm do not ensure that the process who raised the request first by GMT gets the CS first
•
Question <b>4</b> Not answered
Question <b>4</b> Not answered  Marked out of 10.00
Not answered
Not answered
Not answered  Marked out of 10.00  Consider a system of 10 processes where only two processes want to enter CS. A process Pk has a lot of local events and hence high scalar time when it sends out its broadcast for CS. However, another process Pj has very low scalar time when he requests CS but Process Pj needs to request CS ten times which Pk requires CS only once. By global time or GMT; the first broadcast of Pj and Pk are sent out at the
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**\$** 

Question 3

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