)	Ritik Muhra
)	1172019038 Page No.
)	Date
Quer-	The worst case and average as complexty for
	Chang Robert
Ans-	0
)———	worst case complexity -> O(n2)
1	average case complexity -> O(nlogn)
,	The state of the s
)	proof:
)	Locat rase-
13-	when each procuse acts as an initiator and procuses
	are arranged in increasing order of aid.
	token p will take (n-p) jumps to reach
	process 0 and all tokens will vanish at 0.
	=) number of messages = 1+2+ + n
	$\frac{1}{2}$ $\frac{\ln(n+1)}{2}$
	$= O(n^2)$

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Pur-	State true or false: In the lamports routual			
	exclusion algo.			
Ans-	True.			
	Process Pi will be at top of request queues of			
	all processes because each request is sent to			
	every node and is pushed in their request queue			
	The state of the s			
7	On exiting (S Pi will remove its request from queue			
	and will send release message to every process.			
1.0				

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Ques-	action of the following ordering is (are true in the given condition,
Ams -,	FIFO but not (0
	The computation is f160 because the message which is sent first will be received first.
)	Not all messages are casually ordered.
<u> </u>	at the manufact with the state of the state of
Ques-	40% of the code for a centur sequential application
) Ams:-	condup = 1
 	1-p+ P/s
	1-04+0-4/5
1	1-0-4+04/5
	1.3 (1-0.4+0.4) > 1
	0-52 = 1-52 - 1-3 S 0-52 = 0-22
	$\frac{6.52}{5} = \frac{0.52}{5}$
	5 = 2.36

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- Gari-	a synchronous distributed system is as shown in figure with me process
Por	required rounds = 0(V)
	Where, V is the graph
	The algorithm given in the question is similar to the flooding algorithm in artitary order.
	henu, V= max edges between any two nodes
	Therefore, number of rounds 25
Quy	which of four differentiates LE and ME
Aug-	Sociation-focidon is irrelevant in LE algo failures are not considered in ME algo LE require process identifiers to be known
	process entering (5 need not to announce their exit.
Ques-	Removing which of the foll. messages (one cut a time)
Ara -	perming P2 to p3 removes the conflict between
	P2 to P3 (Second Message) and P1 to P3.