Quiz3

Due No due date Points 1.6 Questions 5

Available Nov 13 at 2pm - Nov 13 at 2:30pm 30 minutes Time Limit 30 Minutes

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	18 minutes	1.56 out of 1.6

Score for this quiz: 1.56 out of 1.6

Submitted Nov 13 at 2:20pm This attempt took 18 minutes.

	Question 1	0.15 / 0.15 pts
	Given <i>N</i> , the number of tasks that are either waiting processed by the CPU, arrival rate Y, and response relationship between N, Y, R in a stable system?	
	○ N=Y+R	
Correct!	• N=YR	
	○ N=YR^2	
	○ N=Y/R	

Question 2 Given 60% utilization, the ratio of response time R and execution time S is: 1.25

Correct!

2	2.5				
O 1	1.67				
O 1	1.33				

Question 3	0.0	96 / 1	pts

Given three tasks A, B, C with service time of 6ms, 4ms, and 4ms, respectively. Assume that all three tasks arrive all at the same time but A comes slightly before B and B comes slightly before C. Please show the detailed schedule for the following algorithms. Then, calculate the average response time for the following:

response time for the following: • FIFO: the order of scheduling is В C with response time of 6 ms, 10 ms, and ms, respectively. C SJF: the order of scheduling is | B Α with response time of ms, 12 ms, and ms, respectively. Round robin with time slice of 4ms: the response time of A, B, C are 14 12 ms, ms, and ms, respectively. LIFO: the order of scheduling is C В Α with response time of ms, 8 14 ms, and ms, respectively.

	Round robin with time slice of 1ms: the response time of A, B, C are				
	14	ms,	11	ms, and	12
	ms, respective	ely.			
	Answer 1:				
Correct!	Α				
	Answer 2:				
Correct!	В				
	Answer 3:				
Correct!	С				
	Answer 4:				
Correct!	6				
	Answer 5:				
Correct!	10				
	Answer 6:				
Correct!	14				
	Answer 7:				
Correct!	В				
	Answer 8:				
Correct!	С				
	Answer 9:				
Correct!	Α				
	Answer 10:				
Correct!	4				
	Answer 11:				
Correct!	8				

	Answer 12:	
'ou Answered	12	
orrect Answer	14	
	Answer 13:	
Correct!	14	
	Answer 14:	
Correct!	8	
	Answer 15:	
Correct!	12	
	Answer 16:	
Correct!	С	
	Answer 17:	
Correct!	В	
	Answer 18:	
Correct!	A	
	Answer 19:	
Correct!	4	
	Answer 20:	
Correct!	8	
	Answer 21:	
Correct!	14	
	Answer 22:	
Correct!	14	
	Answer 23:	
Correct!	11	

Correct! 12		Answer 24:	 1 7
	Correct!	12 	

	Question 4 0.15 / 0.15 pts	
	Which memory address translation strategy is used as the lowest level of all multi-level address translation systems?	
	segmentation	
	static base+bound	
Correct!	paging	
	swapping	

	Question 5	0.15 / 0.15 pts
	Which of the following strategy causes internal fragmentat	ion?
Correct!	• paging	
	segmentation	
	memory bitmap	
	caching	

Quiz Score: 1.56 out of 1.6