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			er already taken o consider re-gra		-		_	-	ange any	quiz que	stio	ns in a	significar	ıt
										Points	8	Pub	olished	
De	etails	Questions												
		✓ Show q	uestion details											
	∰ Qı	uestion											1 pts	•
		h of the follow pages tables.	ring is NOT true	or Hybrid appro	oach for crea	ting smaller	page tables	i.e. the appro	oach tha	t combine	3S S	egment	tation	
swer		It increases t	he number of time	physical memory	needs to be ac	ccessed for tra	ınslation comp	ared to one la	arge page	tables				
		It requires th	e use of base and l	oound registers fo	or each segmer	nt of each prod	ess.							
		It divides the	address space into	fixed size portion	ns for each seg	gment								
		The size of the	ne page table beco	mes variable requ	uiring free-spac	ce manageme	nt for page tab	les						
	0													
	:: QI	uestion											1 pts	<i>;</i>
	Addro Page Page	ess space = 8 size = 64 byt table entry s	es		y pages?									
swer		8												
		16												
		4												
		32												
	:: Oı	uestion											1 nt	_
	∰ Qı	restion											1 pts	; —
	swap	ping to tempo	s virtual memory prarily move inac ments about swa	ive data from F	RAM to a ded	-				-				
swer		Utilizing swa	o space can lead to	a noticeable dec	crease in syster	m responsiver	ness due to slo	ower data acce	ess compa	ared to RA	М.			
		Swapping si	gnificantly enhance	s system perform	ance by improv	ving memory a	access speeds							
		Swap space	is a volatile storage	area, meaning d	data stored ther	re gets erased	when the con	nputer is turne	ed off.					
		Swapping in	olves transferring	entire processes,	including code	and data seg	ments, to swa	p space.						

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	iii Question	1 pts
	Which of the following statements correctly describes how the OS handles a page fault when the present bit is set to 0? Background (you can skip): A page fault occurs when a program attempts to access a memory address that is not currently loaded into physical memory. When a page fault occurs, the operating system (OS) is notified and it takes steps to resolve the issue. One of the key pieces of information the OS uses to handle page faults is the present bit in the page table entry (PTE). The present bit indicates whether the corresponding memory page is currently loaded into physical memory. If the present bit is set to 0, it means the page is not in physical memory and a page fault has occurred.	
swer	The OS switches to kernel mode and loads the missing page from secondary storage into physical memory.	
	The OS immediately terminates the program that caused the page fault.	
	The OS marks the page as invalid and prevents further access to the memory address.	
	The OS ignores the page fault and continues executing the program.	
	iii Question	1 pts
	Suppose: The cost of accessing memory = 10 nanoseconds The cost of accessing disk = 10 milliseconds The miss-rate = 10% Then the average memory access time (AMAT) is:	
swer	about 1ms	
	O about 0.1ms	
	O about 0.01ms	
	○ about 0.001ms	
	Question	1 pts
	On 80-20 workload which of the following replacement policies perform best?	
swer	○ LRU	
	○ FIFO	
	O Random	
	○ MRU	
	iii Question	1 pts
	Which of the following statements is NOT true about condition variables?	

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and to signal threads without waling them up
sed to signal threads without waking them up.
to wait for specific conditions to occur before proceeding.
to wake up threads that are waiting on a condition.
ed by mutexes.
1;
oducer thread is responsible for generating data and placing it in a shared buffer, while a consumer uffer for processing. To ensure synchronized access to the shared buffer, condition variables are g sequences of pthread function calls correctly represents the producer thread's actions?