

MPTEL

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Courses » Computer Organization and Architecture

Announcements Course Forum Progress Mentor

Unit 10 - Week 9

Course outline	week 9 assignment	
How to access the portal		
Week 1	Assignment Week 9	
Week 2	1) The Translation Look Aside Buffer (TLB) stores	1 point
	Branching data	
Week 3	Map of Cache data and RAM data	
Week 4	Map of Physical Address and Logical AddressMemory Translation times	
Week 5	- Momory Handadon amos	
Week 6	Accepted Answers:	
Week 7	Map of Physical Address and Logical Address	
	2) CR3 contains	1 point
Week 8	Starting Address of BTB	
Week 9	Data Segment Address	
Lecture 29 (Part	Starting Address of Page directory	
1) - Multilevel Paging	O None of these	
Lecture 29 (Part		
2) - Multilevel Paging	Accepted Answers:	
• Lecture 30 -	Starting Address of Page directory	
Page Frame Allocation,	3) A user process cannot change the CR3 register because	1 point
Beledy's	It is not a PL0 instruction	
Anomaly	It is not a PL1 instruction	
Lecture 31 -Paging, Cache	It is not a PL2 instruction	
	It is not a PL3 instruction	
Quiz : week 9 assignment		
Assignment 9	Accepted Answers:	
Solutions	It is not a PL0 instruction	
Feedback for week 9	4) Increasing the number of page frames decreases the number of page faults	1 point
Week 10	True	
	False	

Week 12

Accepted Answers: False	
5) Page frames are loaded into pages in physical memory	1 point
True False	7
Accepted Answers: False	
6) Per-process paging is achieved using	1 point
 different page numbers to each page different CR3 registers for each process different page handler for each process All of the above 	
Accepted Answers: different CR3 registers for each process	
7) Page Replacement Algorithms are needed because	1 point
 There are limited number of pages in an operating system Pages are to be given to other running processes There are limited number of page frames allocated to each process All of the above 	
Accepted Answers: There are limited number of page frames allocated to each process	
8) A given page replacement algorithm has to be devoid of Belady's anomaly because otherwise	1 point
 An increase in program size will cause page faults An increase in variable size of the program will cause page faults. An increase in number of frames wont decrease number of page faults. None of the above 	
Accepted Answers: An increase in number of frames wont decrease number of page faults.	
9) A page replacement algorithm will be devoid of Belady's anomaly if it follows	1 point
Operating system instructions Stack Property page frame allocation ordering None of the above	
Accepted Answers: Stack Property	
10)A system call for a PL3 process(A) to PL1 process will be held in	1 point

	and Architecture -	

- PL3 stack of A
- PL2 stack of OS
- PL1 stack of A
- A new PL1 stack for the new process

Accepted Answers:

PL1 stack of A

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End

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