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ourses » Computer	Organization and Architecture	
	Announcements <b>Course</b> Forum Progress	Mentor
Jnit 9 - Wee	ek 8	
Course outline	Week 8 Assignment	
How to access the portal		
Week 1	Assignment Week 8	
Wook 2	1) Structural hazards happen due to	1 poir
Week 2	too many instructions in pipeline	
Week 3	un-executable instructions in pipeline	
Week 4	<ul> <li>enough execution units not being available</li> <li>Error in an execution unit</li> </ul>	
Week 5		
Week 6	Accepted Answers:	
Week 7	enough execution units not being available	
Week 8	2) Amdahl's law gives a measure of	1 poir
<ul> <li>Lecture 25 - Structural Hazard, Architectural Enhancements</li> </ul>	<ul> <li>Time</li> <li>Area</li> <li>Power</li> <li>Speedup</li> </ul>	
<ul> <li>Lecture 26 - Lab 3: Shared Memory Architectures</li> </ul>	Accepted Answers: Speedup	
<ul> <li>Lecture 27 (Part 1) - Locality of Reference, Demand paging</li> </ul>	3) Which of the following is virtual memory?	1 poir
<ul> <li>Lecture 27 (Part</li> <li>2) - Page</li> <li>Replacement</li> <li>Algorithm</li> </ul>	<ul> <li>Cache</li> <li>Hard Disk</li> <li>None of the above</li> </ul>	
<ul> <li>Lecture 28 - Multilevel</li> <li>Paging,</li> <li>Translational</li> <li>Lookaside</li> <li>Buffer</li> </ul>	Accepted Answers: None of the above 4) Address Translator is required to	1 poir
Quiz : Week 8 Assignment	Convert from Physical Memory Address to Virtual Memory Address	
Feedback for	<ul> <li>Convert from Virtual Memory Address to Physical Memory Address</li> <li>Convert Page Number to Page Frame Number</li> </ul>	

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<ul> <li>Assignment</li> </ul>	8
Solutions	

Week 9

Week 10

Week 11

Week 12

None of the Above

Accepted Answers:	
Convert from Virtual Memory Address to Physical Memory Address	
5) The Memory Translation Unit gives a page fault when	
A Physical Address is not present in the Physical Memory	
A Logical Address is not present in the Logical Memory	
A Physical Address is not present in the Virtual Memory	
A Logical Address is not present in the physical memory	
Accepted Answers: A Logical Address is not present in the physical memory	
b) A page fault handler is managed by	
<ul> <li>A page fault handler is managed by</li> <li>Programming Language</li> </ul>	
<ul> <li>Programming Language</li> </ul>	
<ul> <li>Programming Language</li> <li>Process</li> </ul>	
<ul> <li>Programming Language</li> <li>Process</li> <li>Operating System</li> </ul>	

- The probability of same data being fetched in subsequent instructions
- The probability of data from same page being accessed in subsequent instructions
- None of the Above

# Accepted Answers:

# The probability of data from same page being accessed in subsequent instructions

8) The page translation table will be

- always in logical memory only
- In physical memory but not in logical memory
- always in physical memory
- None of the above

# **Accepted Answers:**

# always in physical memory

9) The valid bit from a page address is set to 1 when

1 point

1 point

- The page is loaded into the main memory
- The page is present in the logical memory
- The page is present in the disk memory
- None of the above

#### **Accepted Answers:**

Computer Organization and Architecture - - Unit 9 - Week 8



