Quiz4

Due No due date	**Points** 1.6	**Questions** 5	**Available** Dec 2 at 2pm - Dec 2 at 2:30pm 30 minutes	**Time Limit** 30 Minutes

This quiz was locked Dec 2 at 2:30pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	17 minutes	1.45 out of 1.6

Score for this quiz: **1.45** out of 1.6
Submitted Dec 2 at 2:19pm
This attempt took 17 minutes.

Question 1   0.15 / 0.15 pts

A page frame is "dirty" if

Correct!

○ It has been modified

○ It has been selected for replacement

○ It has been read

○ It has been used

Question 2   0 / 0.15 pts

Almost all multi-level address translation systems use the following as the lowest level of the tree:

Correct Answer   ○ Paging

You Answered   ○ Segmentation

○ Swapping

○ Base/bound

Question 3   0 / 0.15 pts

Which of the following is NOT an advantage of memory-mapped files?

Correct Answer   ○ Much faster than traditional file I/O

You Answered   ○ Transparency

○ Zero copy I/O

○ Efficient with large file I/O

Question 4   0.3 / 0.45 pts

A memory manager for a variable sized region strategy has a free list of blocks of size 600, 400, 1000, 2200, 1600, and 1050 bytes.

(1) The block size of [600] bytes will be selected to honor a request for 550 using the best-fit strategy.

(2) The block size of [1000] bytes will be selected to honor a request for 820 using the first-fit strategy.

(3) The block size of [1600] bytes will be selected to honor a request for 820 using the worst-fit strategy.

Answer 1:

Correct!   600

Answer 2:

Correct!   1000

Answer 3:

You Answered   1600

Correct Answer   2200

Question 5   1 / 1 pts

Suppose R=3,2,4,2,2,3,4,5,6,7,7,6,5,4,5,6,7,2 is a page reference stream. Given a page frame allocation of 3 and assuming the primary memory is initially unloaded, show the details of memory replacement of MIN algorithm by filling the following table.

Frame	3	2	4	3	4	2	2	3	4	5	6	7	7	6	5	4	
0	3	3	3	3	3	3	3	3	3	5	5	5	5	5	5	5	
1	NONE	2	2	2	2	2	2	2	2	6	6	6	6	6	6	
2	NONE	NONE	4	4	4	4	4	4	4	4	7	7	7	7	4	

Answer 1:

Correct!   3

Answer 2:

Correct!   3

Answer 3:

Correct!   3

Answer 4:

Correct!   3

Answer 5:

Correct!   3

Answer 6:

Correct!   3

Answer 7:

Correct!   3

Answer 8:

Correct!   3

Answer 9:

Correct!   3