Assignment for Week 11

The due date for submitting this assignment has passed. As per our records, you have not submitted this assignment.

1) Which of the following page replacement algorithms suffers from Belady’s anomaly?  
   - FIFO
   - LRU
   - Optimal Page Replacement
   - Both LRU and FIFO

   No, the answer is incorrect.  
   Score: 0  
   Accepted Answers:  
   FIFO

2) Assume that there are 3 page frames which are initially empty. If the page reference string is 1,2,3,4,2,1,5,3,2,4,6,5, what will be the number of page faults using the optimal page replacement policy?  
   - 6
   - 7
   - 4
   - 8

   No, the answer is incorrect.  
   Score: 0  
   Accepted Answers:  
   8

3) Locality of reference implies that the page reference being made by a process will always be to the page used in the previous page reference.
Cache Indexing and Tagging Variations, Demand Paging

Page Replacement Algorithms

Page Frame Allocation and Thrasing

Summary

Quiz : Assignment for Week 11

No, the answer is incorrect.
Score: 0

Accepted Answers:
Will not be used for the longest time in the future.

6) The accuracy of the working set depends on the selection of :

No, the answer is incorrect.
Score: 0

Accepted Answers:
working set size

7) Consider a virtual memory system with FIFO page replacement policy. For an arbitrary page access pattern, increasing the number of page frames in main memory will

No, the answer is incorrect.
Score: 0

Accepted Answers:
sometimes increase the number of page faults

8) In the working set model, for :

No, the answer is incorrect.
Score: 0

Accepted Answers:
sometimes increase the number of page faults

2 6 1 5 7 7 7 5 1 6 2 3 4 1 2 3 4 4 4 3 4 3 4 4 1 3 2 3
if DELTA = 10, then the working set at time t1 (....7 5 1) is :

{1, 2, 4, 5, 6}
9) If working set window is too small:

- it will not encompass entire locality  
- it may overlap several localities  
- it will cause memory problems  
- none of the mentioned

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
{1, 6, 5, 7, 2}

10) The algorithm by which we allocate memory to each process according to its size is known as:

- Proportional allocation algorithm  
- Split allocation algorithm  
- Equal allocation algorithm  
- None of the above

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
Proportional allocation algorithm