Dashboard / My courses / COSC3360SP2023-01 / EXAM 3 / Theory Part - Exam 3 (30 points / 1 attempt / 45 minutes)

Started on	Thursday, 27 April 2023, 2:31 PM
State	Finished
Completed on	Thursday, 27 April 2023, 2:37 PM
Time taken	6 mins 1 sec
Grade	30.00 out of 30.00 (100 %)
Information	

The theory part of this exam uses free navigation when presenting the questions.

Information

SECTION 1. True or False questions (2 points each)

Question 1
Correct
Mark 2.00 out of 2.00
On a fixed partitioning memory system, the number of processes in main memory can be greater than the number of partitions.
Select one:
○ True
False ✓
Question 2
Correct
Mark 2.00 out of 2.00

Internal fragmentation is not possible on a system using simple segmentation.

Select one:

■ True

False

Correct

Mark 2.00 out of 2.00

A bit table (disk free space management) uses one bit for each block on the disk.

Select one:

■ True

False

Information

SECTION 2. Simple choice questions (3 points each)

Question 7		
Correct		
Mark 3.00 out of 3.00		
Given a system using dynamic partitioning as a memory management technique, select the free partition that is chosen by the best-fit placement algorithm for a memory request of 16 MB.		
Select one:		
		
○ b. Free Partition Size = 19 MB		
c. Free Partition Size = 15.9 MB		
○ d. Free Partition Size = 15 MB		
Question 8		
Correct		
Mark 3.00 out of 3.00		
In the two-handed clock page replacement algorithm (UNIX SVR4), if the front-hand finds a page with the reference bit equal to zero, then:		
Select one:		
○ a. The page gets replaced		
 ■ b. The reference bit remains unchanged 		
c. The frame is locked		
○ d. The reference bit is set to 1		

Correct

Mark 3.00 out of 3.00

Select the approach to thread scheduling that carries over most directly from a uniprocessor environment

Select one:

- a. Load sharing
- b. Dedicated processor assignment
- o. Gang scheduling
- Od. Dynamic scheduling

Question 11

Correct

Mark 3.00 out of 3.00

Select the block-oriented device:

Select one:

- a. Printer
- b. Disk

 ✓
- c. Communications Port
- d. None of the above

Question 12
Correct
Mark 3.00 out of 3.00
Assuming that the disk head is located at track 100, select next track chosen by the shortest service time first (SSTF) algorithm
Select one:
○ a. 160
○ b. 115
○ c. 10
◎ d. 90 ~
■ Extra credit question - Deadlocks

Jump to...

Algorithms' Part (70 points) ►