<u>Dashboard</u> / My courses / <u>COSC3360SU2022</u> / <u>EXAM 3</u> / <u>Theory Part - Exam 3 (30 points / 1 attempt / 45 minutes)</u>

Started on	Tuesday, 26 July 2022, 11:00 AM	
State	Finished	
Completed on	Tuesday, 26 July 2022, 11:07 AM	
Time taken	7 mins 13 secs	
Grade	<b>30.00</b> out of 30.00 ( <b>100</b> %)	
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

A physical or absolute address represents an actual location in main memory.

Select one:

■ True

False

Question  ${f 2}$ 

Correct

Mark 2.00 out of 2.00

The best-fit placement algorithm (dynamic partitioning), chooses the block that is closest in size to the request.

Select one:

■ True

False

Correct
Mark 2.00 out of 2.00
Thrashing is a state in which the system spends most of its time swapping process pieces rather than executing instructions.
Select one:
True   ✓
○ False
Question 4
Correct
Mark 2.00 out of 2.00
The priority inversion problem occurs when a low priority task waits for a high priority task.
Select one:
○ True
False   ✓
Question <b>5</b>
Correct
Mark 2.00 out of 2.00
C-SCAN (disk scheduling algorithm) restricts the scanning of the tasks to one direction only
Select one:
True   ✓
○ False
Question <b>6</b>
Correct
Mark 2.00 out of 2.00
Device drivers communicate directly with the user of the computer system
Select one:
○ True
False   ✓

Question  ${\bf 3}$ 

## **SECTION 2. Simple choice questions** (3 points each)

Question <b>7</b>						
Correct	Correct					
Mark 3.00 c	out of 3.00					
In pagir	ng, given a logical address with an offset field with a size equal to 10 bit, the page size is equal to:					
Select c	one:					
О а.	0.5K					
O b.	4K					
O c.	2K					
<ul><li>d.</li></ul>	1K❤					
Question <b>8</b>						
Correct						
Mark 3.00 c	out of 3.00					
The res	ident set management combination where the page to be replaced is chosen from all available frames in main memory is:					
Select o	one:					
О а.	Fixed Allocation - Global Replacement					
O b.	Fixed Allocation - Local Replacement					
<ul><li>c.</li></ul>	Variable Allocation - Global Replacement❤					
O d.	Variable Allocation - Local Replacement					

Question <b>9</b>	
Correct	
Mark 3.00 out	t of 3.00
The page	replacement algorithm that looks into the future to select the page to be replaced is:
Select on	e:
O a. F	FIFO
b. 0	Optimal ❤
O c. (	CLOCK
O d. L	_RU
Question 10	
Correct Mark 3.00 out	. of 2.00
	e approach to thread scheduling that carries over most directly from a uniprocessor environment
Select on a. L	
Select on  a. L  b. C	e: _oad sharing❤
Select on  a. L  b. C  c. [	e: Load sharing❤ Gang scheduling
Select on  a. L  b. C  c. C  d. C	e:  Load sharing  Gang scheduling  Dedicated processor assignment
Select one a. L b. C c. E d. E	e: Load sharing  Gang scheduling  Dedicated processor assignment  Dynamic scheduling
Select on  a. L  b. C  c. C  d. C	e: Load sharing  Gang scheduling  Dedicated processor assignment  Dynamic scheduling
Select one a. L b. C c. E d. E Question 11 Correct Mark 3.00 out	e: Load sharing  Gang scheduling  Dedicated processor assignment  Dynamic scheduling
Select one a. L b. C c. E d. E Question 11 Correct Mark 3.00 out	e:  Load sharing  Gang scheduling  Dedicated processor assignment  Dynamic scheduling  a of 3.00  e I/O technique that does not use interrupts.
Select on  a. L  b. C  c. E  d. E  Question 11  Correct  Mark 3.00 out	e: Load sharing  Gang scheduling  Dedicated processor assignment  Dynamic scheduling  of 3.00  et I/O technique that does not use interrupts.  e:
Select one a. L b. C c. E d. E Question 11 Correct Mark 3.00 out Select the Select one a. E	e: Load sharing  Gang scheduling  Dedicated processor assignment  Dynamic scheduling  of 3.00  et I/O technique that does not use interrupts.  e:
Select one a. L b. C c. E d. E Question 11 Correct Mark 3.00 out  Select the Select one a. E b. F	e: Load sharing  Gang scheduling  Dedicated processor assignment  Dynamic scheduling  et of 3.00  et I/O technique that does not use interrupts.  e: DMA

Correct	
Mark 3.00 out of 3.00	
Select the RAID level that requires 2*N disk (where N is the number of data disks).	
Select one:	
○ a. 0	
○ c. 3	
○ d. 2	
■ Deadlock Question	
Jump to	
Algorithms' Part (70 points) ►	

Question 12