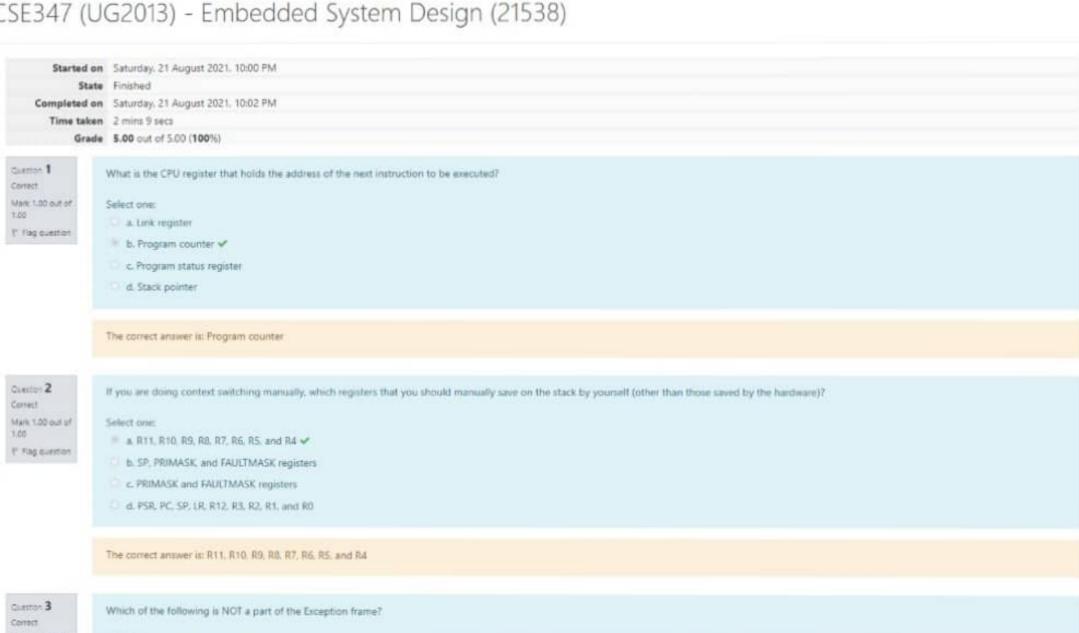
CSE347 (UG2013) - Embedded System Design (21538)



Connect Mark 1,00 out of 1,00 If Flag question	Which of the following is NOT a part of the Exception frame? Select one: a. Program counter b. Stack pointer c. Link register d. PSR
	The correct answer is: Stack pointer
Cirecton 4 Correct Marx 1,00 out of 1,00 F. Flag question	Which of the following can periodically trigger the context switch? Select one: a Memory b. Peripheral c. SysTick timer d. Watchdog timer
	The correct answer is: SysTick timer
Cueston 5 Correct Mark 1.00 out of 1.00 F. Fleg question	What is the register that its value should change to do the context switching? Select one: a. PSR b. SP (Stack pointer) c. Link register d. PC
	The correct answer is: SP (Stack pointer)

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Correct Mark 1,00 out of 1,00 If Flag question	When does the program go to the OS code? Select one: a. After the time slice elapses b. When the program calls an RTOS api c. On peripheral interrupt d. A & 8 very 4. A & 8 Vour answer is correct.
	The correct answer is: A & B
Correct Mark 1.00 out of 1.00 Thing question	In a FreeRTOS project, two tasks were created (Task A & Task B). Task A is a periodic task while task B is continuous task that gets blocked on xBinarySemaphore. If task B has higher priority than task A, and an interrupt was triggered during the execution of task A. If the ISR calls xSemaphoreGiveFromISR (xBinarySemaphore, &xHigherPriorityTaskWoken) API, what would be the value of xHigherPriorityTaskWoken? Select one: a. True b. False
	Your answer is correct. The correct answer is: True
Question 3 Correct	Multiple reader tasks are blocked on the same queue waiting for data to become available. When the data becomes available in the queue, which task will be unblocked?
Mark 1.00 out of 1.00 F Flag question	Select one: a. The task with the higher priority b. The task created first c. The last task that read from the queue d. d. The task that has been waiting for data the shortest

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	Your answer is correct. The correct answer is: The task with the higher priority
Correct Mark 1.00 out of 1.00 1 flag question	The usage of the binary semaphores is analogous to the usage of flags. In that case the function of the xSemaphoreGiveFromISR (xBinarySemaphore. 8xHigherPriorityTaskWoken) API is to: Select one: a. Set the flag b. Wait for the flag c. Check the flag d. Clear and wait for the flag a. Clear the flag
	Your answer is correct. The correct answer is: Set the flag
Current Correct Mark 1.00 out of 1.00 F Flag current	If a reader task is blocked on a queue, and its blockage time expires before the data becomes available in the queue. What will happen to the task? Select one: a. The task will get deleted b. The task will get suspended until data become available in the queue. c. The task will be unblocked and continues its code without reading from the queue.
	Your answer is correct. The correct answer is: The task will be unblocked and continues its code without reading from the queue.

Finish review