Module 4 Quiz

TOTAL POINTS 8

1.	Which of the following does NOT provide observability in a system?	1 point
	 An LED connected to a wire in the circuit A printf() statement in a C program A breakpoint in an Arduino sketch A switch connected to an Arduino input pin 	
2.	What is meant by the expression "run control of the target"?	1 point
	The ability to stop and start the execution of the target microcontroller	
	The ability of the target microcontroller to control its own inputs The ability to control the inputs to the target microcontroller	
	The ability to control the outputs of the microcontroller	
3.	What is NOT an advantage of using a remote debugger?	1 point
	Remote debugging requires an extra communication channel for debugging	
	Remote debugging allows control of registers and memory	
	Remote debugging allows good run control	
	Remote debugging provides excellent functional accuracy	
4.	What is NOT a feature of an embedded debug interface?	1 point
	Extra pins are needed to support debugging	

	Automatic test generation is commonly supported	
	On-the-fly memory access is supported	
5.	Which of the following is NOT an advantage of the UART protocol?	1 point
	Higher data transfer rates are typically achieved compared to a parallel protocol	
	A shared clock is not required	
	Fewer pins are needed than using a parallel protocol	
	Fewer wires are needed for communication as compared to a parallel protocol	
6.	Which of the following statements is NOT true about the UART protocol?	1 point
	The data transmission rate is equal to the baud rate	
	The bit duration is determined by the baud rate	
	The baud rate is the maximum number of transitions per second	
	The bit duration is the inverse of the baud rate	
7.	Synchronization is performed in the UART protocol based on the timing of the Start bit.	1 point
	True	
	False	
8.	An error in bit transmission (perhaps due to noise) may not be detected, even if a parity bit is used.	1 point
		1 point
	True	
	False	

Breakpoints and watchpoints are supported



I, **VIJAY RAGHUWANSHI**, understand that submitting work that isn't my own may result in permanent failure of this course or deactivation of my Coursera account.

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