Quiz #5

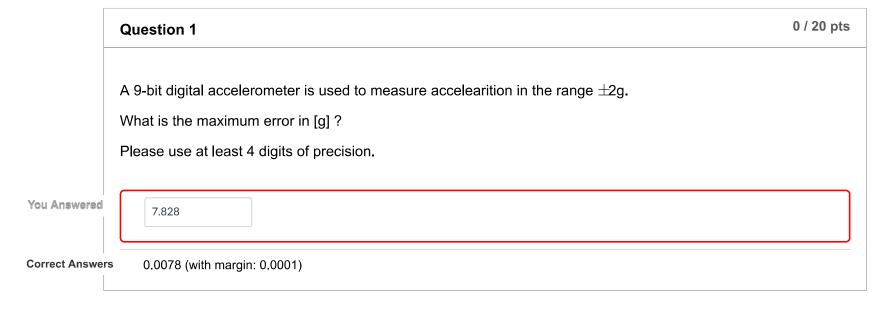
Due Apr 12 at 9:53am	Points 100	Questions 4	Available Apr 12 at 9:35am - Apr 12 at 9:55am 20 minutes	Time Limit 12 Minutes

This quiz was locked Apr 12 at 9:55am.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	12 minutes	20 out of 100

Score for this quiz: **20** out of 100 Submitted Apr 12 at 9:47am This attempt took 12 minutes.



Question 2 0 / 30 pts

MSP430 controller with power supply Vcc=+3V uses a 12-bit AD converter with positive reference Vr+ = 2.5V.

If you measure an internal signal that is one half of the Vcc voltage what integer value will you read from your AD converter?

You Answered

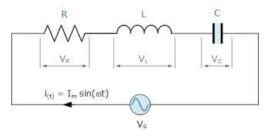
24.42

Correct Answers

2,457 (with margin: 1)

Question 3 0 / 30 pts

A series of resistor, capacitor, and inductor is used as a filter, with output of the circuit taken from inductor.



What kind of filter does this circuit represent?

Low Pass filter

All Pass filter

Correct Answer

High Pass filter

	Band Stop filter	
You Answered	Band Pass filter	
[
	Question 4	20 / 20 pts
	Maximum frequency of the ECG signal is 50 Hz.	
	What is the minimum sampling frequency for this signal?	
Correct!	100	
Correct Answei	rs 100 (with margin: 0)	

Quiz Score: 20 out of 100