



Electro - Principles I

Assignment 1

CHAPTER #1 PROBLEMS

(starts on page 22 Circuit Analysis text)

17, 25, 27, 29, 31, 33, 35, 37, 41 , 47

Note:

For Question 29 Assume the speed of light = 299 792 458 m/s

For Question 31 Assume 1 litre = 1000 cubic centimetres

Calculate the result of the following operations and then express the result in scientific notation with the correct number of significant digits.

<u>OPERATION</u>	<u>RESULT</u>	<u>SCIENTIFIC NOTATION</u>
$6.984 \times 10^{-2} + 3.05 \times 10^{-3}$	= _____	_____
$4.15 \times 10^{-8} - 1.1 \times 10^{-7}$	= _____	_____
$1.025 \times 10^{-3} \times 2.00 \times 10^{-2}$	= _____	_____
$6.325 \times 10^{-4} \div 2.75 \times 10^{-6}$	= _____	_____

Quiz Date Friday September 13, 2002