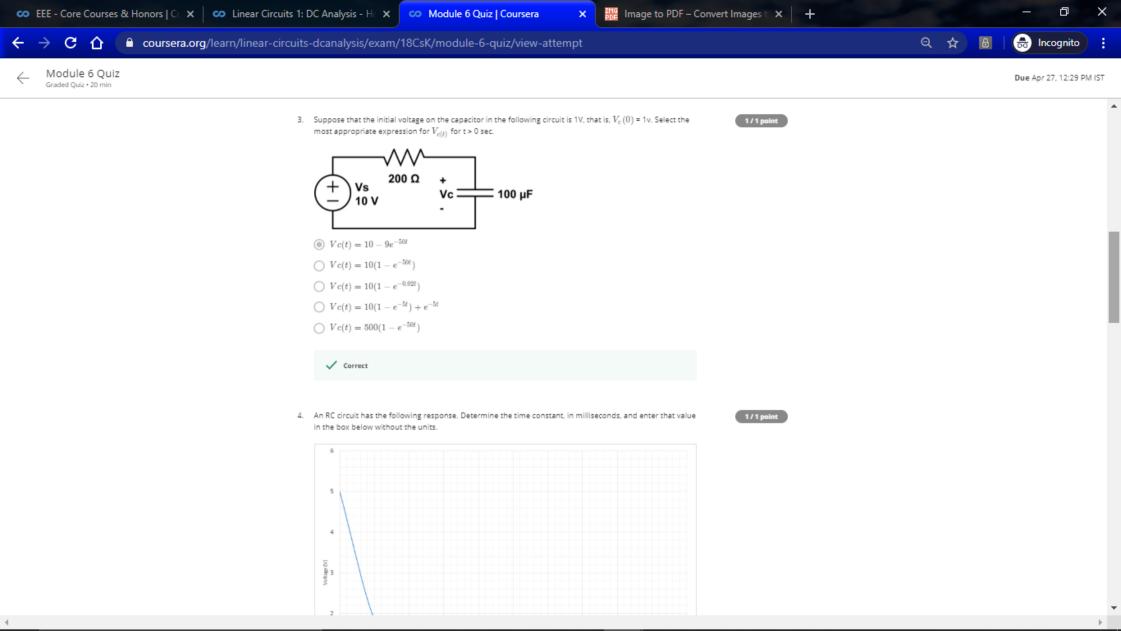


- 1-





← Module 6 Quiz

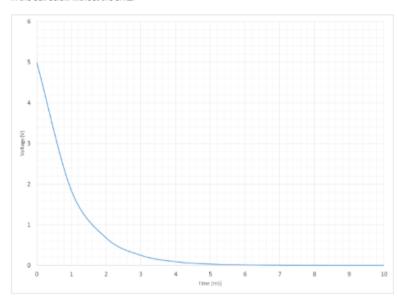
Graded Quiz • 20 min

Due Apr 27, 12:29 PM IST

🚓 Incognito

 An RC circuit has the following response. Determine the time constant, in milliseconds, and enter that value in the box below without the units.





✓ Correct

5. For the following circuit. $V_s=40V$, $R_1=18\Omega$, $R_2=18\Omega$, $R_3=18\Omega$, $R_4=9\Omega$, $R_5=9\Omega$, $R_6=3\Omega$, L=5mH and $C=10\mu F$.

1/1 point

4

- 1-



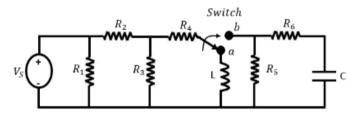
∠ Module 6 Quiz

Due Apr 27, 12:29 PM IST

ancognito

5. For the following circuit, $V_s=40V$, $R_1=18\Omega$, $R_2=18\Omega$, $R_3=18\Omega$, $R_4=9\Omega$, $R_5=9\Omega$, $R_6=3\Omega$, L=5mH and C=10uF.





If the switch is at position a for a long time, calculate the R-L time constant for the inductor.

Please enter your values in MILLISECOND in the box below without units. Also, please wound of the decimal to three places if necessary.

0.277

✓ Correct

6. For the circuit in Problem 5, calculate the current flowing through the inductor L for DC steady state.

Put your values in Amps in the box below without units. Also, round off the decimal to three decimal places if needed.

1

Incorrect

4

Graded Quiz • 20 min

-

0 / 1 point

1/1 point

