

Home ► My courses ► EEE117-2019S-Sec1 ► Exams and Quizzes ► Quiz 6 - Chapter 13

**Started on** Wednesday, 13 March 2019, 4:58 PM

**State** Finished

**Completed on** Wednesday, 13 March 2019, 5:01 PM

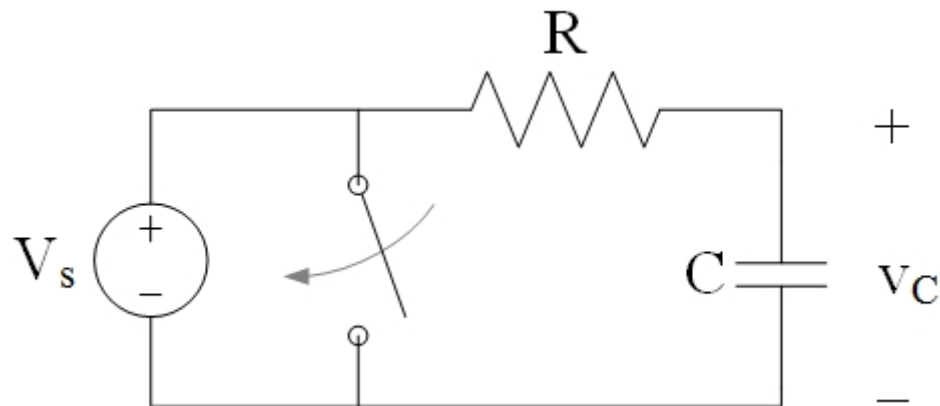
**Time taken** 2 mins 28 secs

**Grade** 100.00 out of 100.00

### Question 1

Correct

Mark 100.00 out of 100.00



Quiz 6b

Given: After a long time the switch closes at  $t = 0$ .

$V_s = 24 \text{ V}$       $R = 100 \Omega$  (Ohm)      $C = 200 \text{ nF}$

a) Determine the initial voltage across the capacitor.

$v_C(t = 0) =$   ☒ V

b) Find the time domain voltage  $v_C(t)$  across the capacitor for  $t \geq 0^+$ .

$v_C(t \geq 0) =$   ☒  $\exp($   ☒  $t) \text{ Volts}$

a)  $v_C(t = 0) = 24 \text{ V}$

b)  $v_C(t = 0) = 24 e^{-50,000t} \text{ Volts}$

**Correct**

Marks for this submission: 100.00/100.00.

◀ Quiz 5 - Chapter 12

Jump to...



Quiz 7 - Chapter 13 ►