2020-2021 Spring, CSA, CRN:25203, 2nd Quiz **19.04.2021**

The exam is open-book and open-lecture notes. Exams are exclusive to students and they are expected to work on the solutions on their own. The students are expected to abide with the ITU Honor Code

http://www.sis.itu.edu.tr/tr/yonetmelik/AkademikOnurSozuEsaslar.html

The students are expected to upload solutions in PDF format to NINOVA before the deadline.

Each page of the solution papers has to be numbered and should have name, last name and Student ID number on top right corner. Otherwise your score will be taken off by 10 (over 100) points.

Please write every step of your solution, otherwise you may not get full point.

Find the current $i_R(t)$ of the resistor in the sinusoidal steady state (use phasors).

$C = 1F$, $L = 1H$, $R = 1\Omega$, $e(t) = 5\cos(t)$, $i_S(t) = 5\sin(2t)$