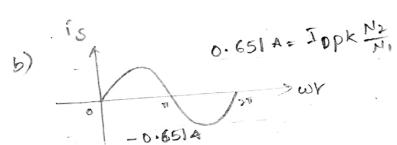
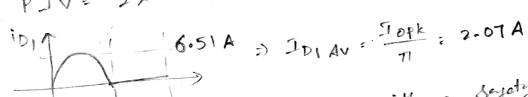
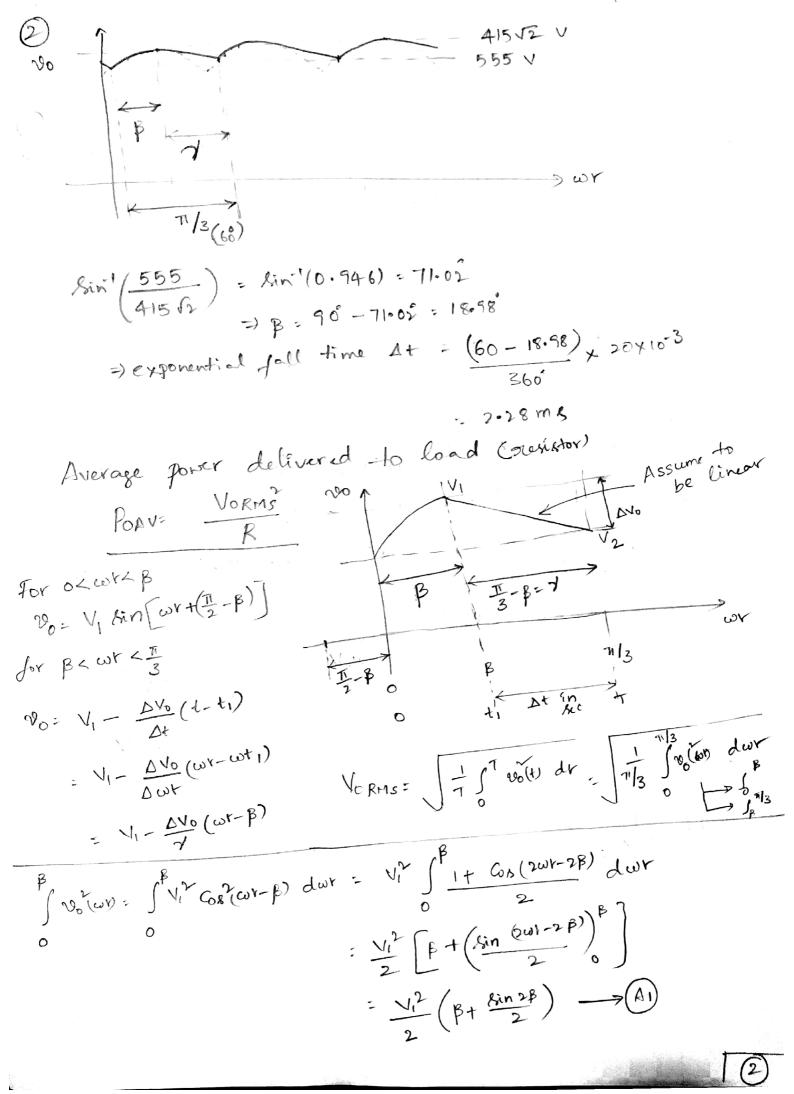


Average power dissipated in the resistor: Vopk Jopk 2 Vopk





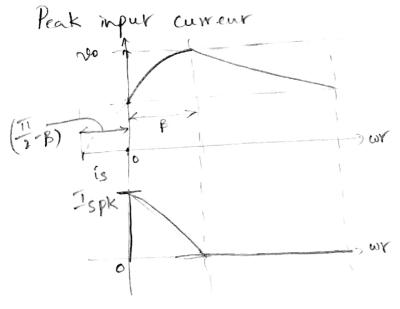


$$\int_{0}^{11/3} \int_{0}^{11/3} \int_{$$

$$A_1 = \frac{V_1^2}{2} \left(\text{Bt} \frac{\sin 28}{2} \right) = \frac{415^2 \times 1}{2} \left(0.33 + 0.31 \right) = 110224$$

Calculation of the value of C - by energy balance change in energy stored in the capacitor (DEcap) energy consumed by the load suristor voltage fall

$$\frac{1}{R}$$
 $\frac{1}{R}$
 $\frac{1}$



$$\int_{Spk} = (271 \times 50 \times 990.8 \times 10^{-6} \times 415 \sqrt{2} \times 0.8252) \\
+ \left(\frac{415 \sqrt{2} \times 0.946}{41.18}\right) = 72.9 A$$

Simulated Circuit:

