That maximize Vous at 1 KH7 (3) lesonance

$$\Leftrightarrow$$
 $WL = \frac{1}{WC} =$ $W^2LC = 1$

(=)
$$C = \frac{1}{\omega^2 L} = \frac{1}{(2000\pi)^2 \times 0.15 \text{ H}} = 0.169 \times 10^{-6} (F)$$

$$(=)$$
 $C = 0.169 \times 10^{-6} (F) = 0.169 (\mu F)$

$$= \frac{V_{\text{out}}}{(0 \text{ mA})} \text{ pr} \quad i_{R} = \frac{V}{Z_{1} + Z_{2} + R}$$

=)
$$R^{2} \frac{10}{10 \times 10^{-3}} = 1000 (52)$$