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GATE -BM 16

EE23BTECH11057 - Shakunaveti Sai Sri Ram Varun

Question: For the circuit given below, choose the angular frequency ω_0 at which voltage across capacitor has maximum amplitude?

$$\begin{array}{c|c}
1k\Omega \\
\hline
\end{array}$$

$$\begin{array}{c}
+100\cos(\omega_0 t) \\
\end{array}$$

$$\begin{array}{c}
100\mu F
\end{array}$$

Solution: