

Short Quiz-2
EE-407 LAB
Set A

Name: _____

ID No: _____

- Q.1** A stepped-impedance low-pass filter can implement minimum and maximum impedances of 20 and 120 ohms. If the filter has $\epsilon_{\text{eff}}=6$ and lengths of the low impedance and high impedance sections are 2mm and 6mm respectively, find the equivalent inductance for a signal frequency of 10 Ghz.