

Short Quiz - 4

EE-407

Set B

Name: _____

ID No: _____

- 1.** For a microstrip ($\epsilon_0=8.854 \times 10^{-12}$, $\mu_0=4\pi \times 10^{-7}$, $w=4.1\text{mm}$, $h=1.5\text{ mm}$, $\epsilon_r=2.2$, $\mu_r=1$, $t/h=0$)
- (i) Calculate ϵ_{eff} and Z_0 at $f = 0$.
 - (ii) Calculate ϵ_{eff} at $f = 10\text{GHz}$.