

$$\Rightarrow \boxed{\Delta U_0 = 0.15 U_i F}$$

2. IF $U_i = 10 \text{ V}$ and a load ~~of~~ of $F = 50 \text{ g}$ was applied calculate ΔU_0 .

$$\Delta U_0 = 11.5 (50 \times 10^{-3}) (9.81) = 0.736 \text{ V}$$

3. Calculate the error in evaluating ΔU_0 if R_4 was Detacted by mistake $\frac{1}{2}$.