$$g_{m3} = g_{m4} = \int 2x \frac{8I_0}{2} x k_3 x 64 = 3200 \mu S$$

$$g_{ds_1} = g_{ds_2} = \lambda_n \frac{T_{ox}8}{2} = 0.05 \times \frac{8 \times 200\mu}{2} = 40\mu S$$

$$9ds5 = \lambda p(40I_0) = 0.05 \times 90 \times 200 = 900 \mu S$$