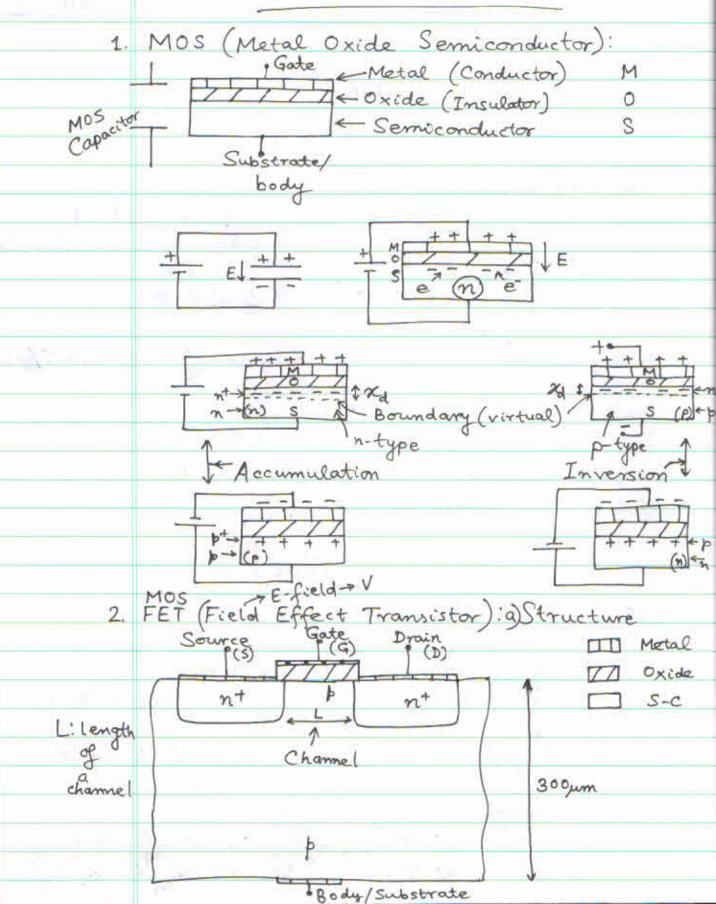
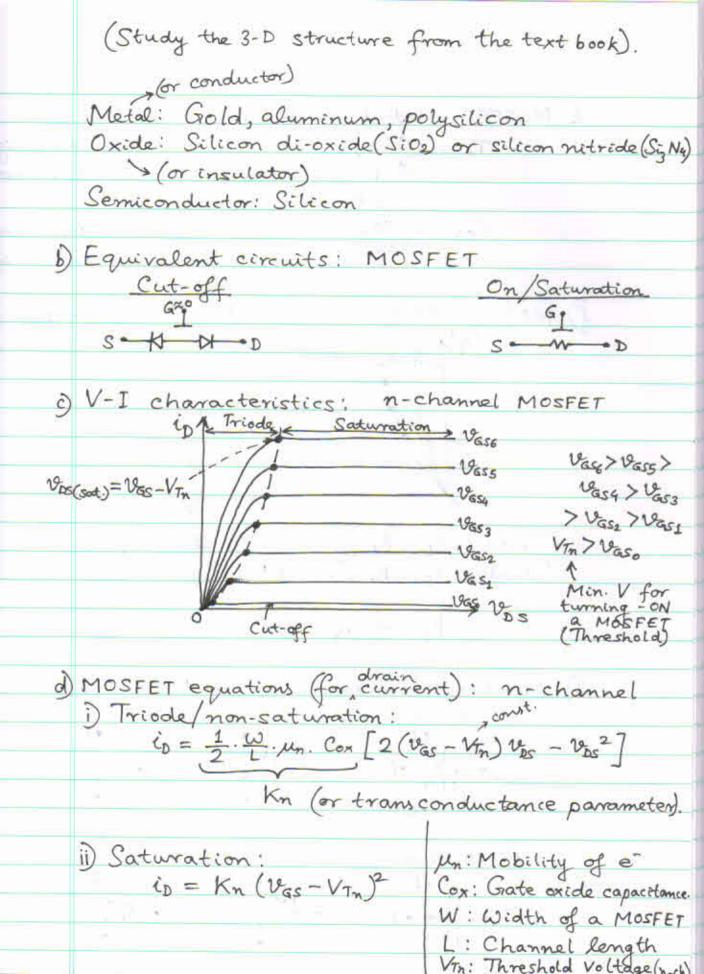
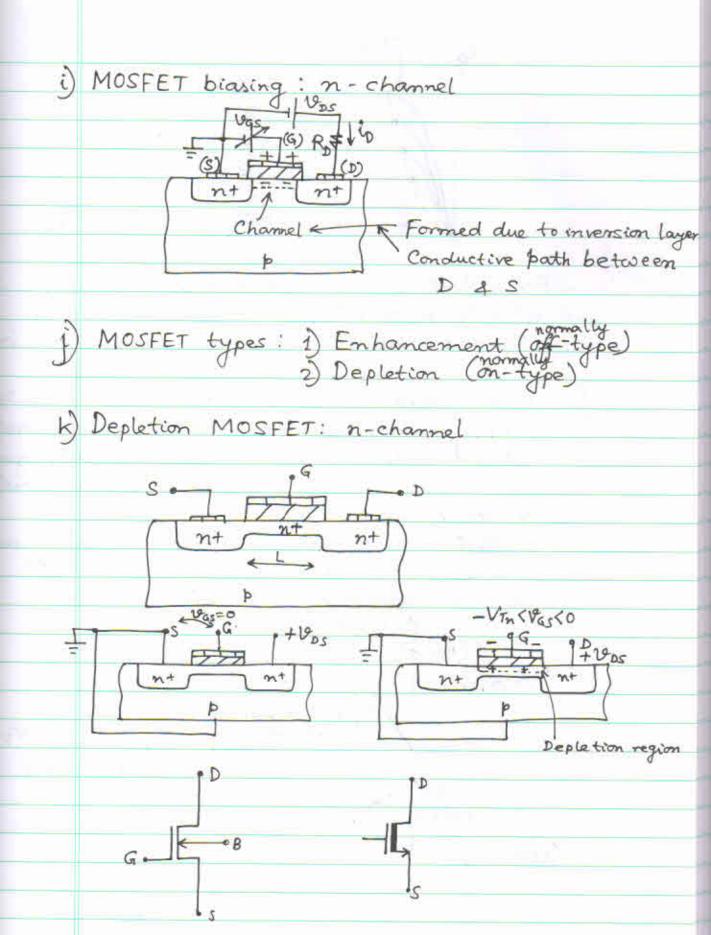
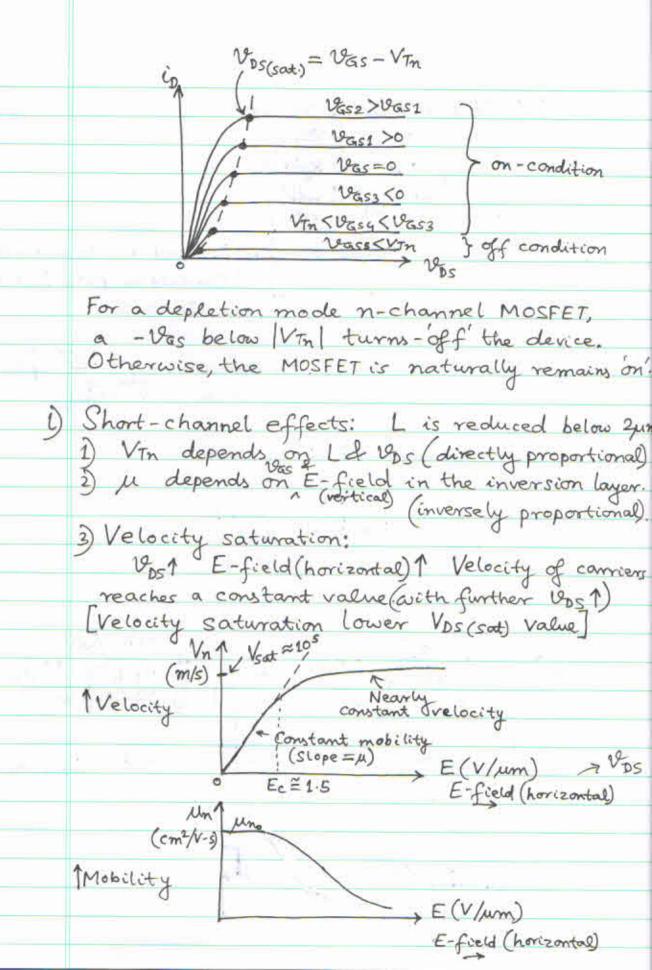
FETS & MOSFETS

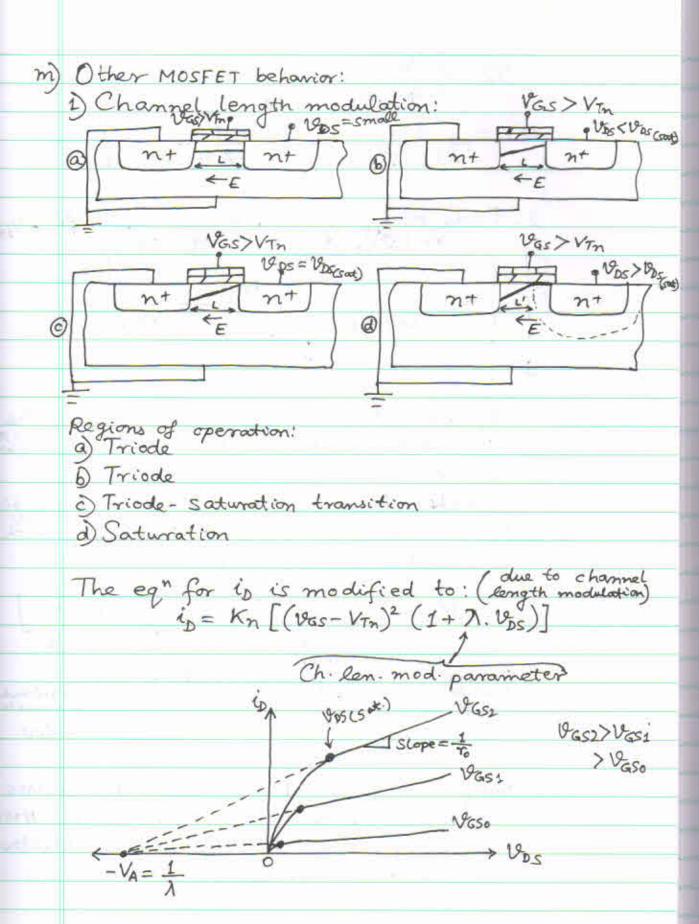




e) MOSFET related equations: $\gamma_0 = \Delta V_{0s} | = \infty$ (Small-sign $\Delta i_0 | V_{gs} = const.$ resistance) Cox = Eox tox & d (Capacitance per unit area) MOSFET V-I charateristics & equations: p-ch. Triode: ip = Kp [2(Vsg + VTp) Vsp - Vsp] Saturation: io = Kp (UsG + VTP)2 Kp = 1/2. Mp. Cox. W h) Symbols: (Enhancement type MOSFETS)
D n-channel GOLD OF OF ii) p-channel GOD GOD







n) Complementary MOSFETs: CMOS:NMOS+PMOS

L> Uses both n-channel MOSFETs (NMOS)

& p-channel MOSFETs (PMOS) together

in an integrated circuit.

