

DEVICE MODELLING LAB

Assignment-02

Q1. Simulate the clipper circuit which clips the voltage above +3V and Below -3V using NGSPICE?

Q2. Simulate the Voltage Tripler Circuit using NGSPICE?

Q3. Simulate the Clamper Circuit which Clamps the Voltage above the -9V with peak to peak voltage 20V using NGSPICE?

Q4. Simulate the Boolean Functions Given below using NGSPICE?

(a) $A+BC$

(b) $A+B+C$

Q5. Simulate the Transfer Synthesis Graph Given Below using NGSPICE?

