Assignment - 3

Ques-1 Define transconductance.

Ques-2 Define benefits of h- Parameters.

Ques-3 Briefly explain why dominant pole high frequency Compensation method Used in amplifier.

Ques-4 Define Current gain.

Ques-5 Write the equations for the Output voltage and Voltage gain for CD Amplifier.

Ques-6 Why thermal Runaway is not there in mosfet.

Ques-7 Draw the low frequency Simplified h- Parameters model of an amplifier with a Cin bypassed emitter resistor.

Ques-8 Give the voltage gain for CE Configuration Including Source resistance.

Assignment ⇒ 2

Ques=1 What are the tecniques Used to Improve Input Impedance.

Ques=2 Define voltage gain.

Ques=3 Give the voltage gain for CE Configuration Including Source resistance.

Ques=4 Why N-Channel FET's have a better response then P-Channel FET'S.

Ques=5 Write the equation for the Output voltage and voltage gain for CG amplifier.

Ques=6 Briefly explain why dominant pole high frequency Compansation method used in amplifier

Ques=7 Give two advantages of Common Source FET Amplifier.

Ques=8 Why an NPN transistor has a better high frequency response then the PNP transistor.