

Please refer to the **Course Notes** (pages 5 - 12) for Junction Field Effect Transistors JFET

Be familiar with *field effect transistor* (FET) characteristics.

The in-class exercise and homework problems related to JFET biasing should be particularly useful.

FET

Given values for V_{DD} , R_G , R_S , R_D , V_{GS} , $V_{GS(off)}$, I_{DSS} ;

Determine the operating voltage and current (quiescent point) V_{DSQ} and I_{DQ} .

- a. for a self-biased JFET amplifier.
- b. voltage-divider biased JFET amplifier.