In the common-source, n-channel FET amplifier shown, $R_1 = 3.3 \, \text{M}\Omega$, $R_2 = 15 \, \text{M}\Omega$, $R_L = 1\, \text{k}\Omega$, $R_S = 1\, \text{k}\Omega$ and $V_{\text{DD}} = 15 \, \text{V}$. Using characteristics of the Fairchild Semiconductor 2N5459 JFET, with $V_P = -2.6 \, \text{V}$ (find data sheets on the Web), determine the working point of the amplifier in terms of $V_{\text{DS}}$, $V_{\text{GS}}$ and $i_D$. Assume $25^\circ \text{C}$ for the working temperature of the amplifier.