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 $V_{DD} = 15 \, \text{V}$. Using characteristics of the 2N5459 JFET, determine the working point of the amplifier in terms of $V_{DS}$, $V_{GS}$ and $i_D$. 