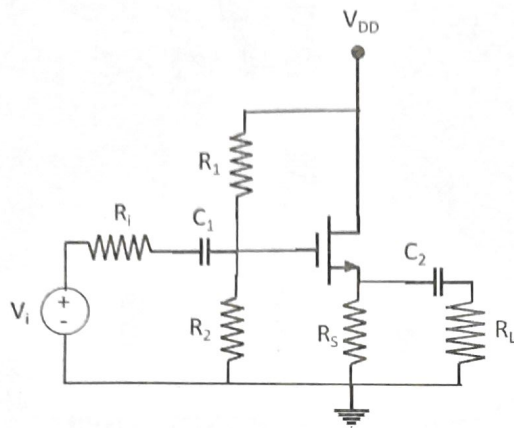
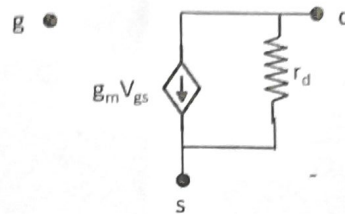


Using the small signal model given below, find out voltage gain (voltage across load/ V_i), input resistance and output resistance of the amplifier. [8 marks]



$g_m, r_d, R_1, R_2, R_S, R_i$



7) Consider the transformer circuit given below. Find out the ratios, V_s/V_0 and I/I_0 . [6 marks]

