EE210: Analog Electronics - Quiz 7

NAME (in capital) Roll No

Time: 15 minutes

1): All transistors in the figures are biased in saturation (biasing network has not been shown). Assume transconductance of M1 is g_{m1} and that of M2 is g_{m2} . Neglect CLM.

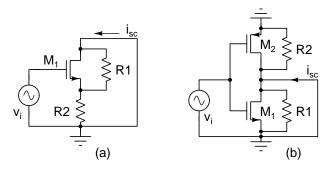
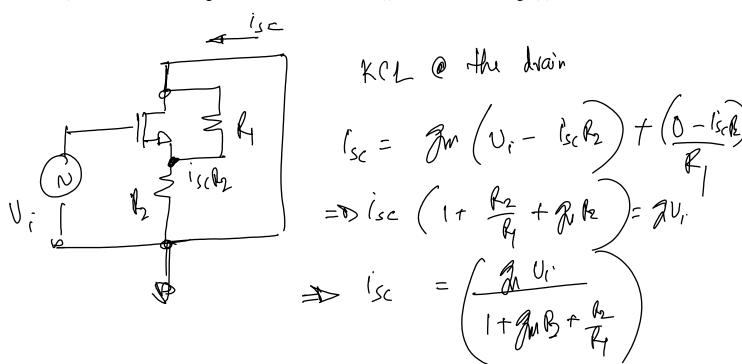


Fig. 1. Problem 1

a): Find the small-signal short circuit current, i_{sc} , as indicated in Fig. (a). [5]



[5]

contd..

b) : Find the small-signal short circuit current, i_{sc} as indicated in Fig. (b).

