

**DEPARTMENT OF ELECTRICAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY, KANPUR**

EE 210

MINI-QUIZ #6A

17.3.21

Total Marks: 10

Total Time: 10 mins.

C_1, C_2, C_3 are high value capacitors, and can be treated as short circuits in midband. $\beta = 100$, and neglect Early effect.

- Evaluate the DC bias point (I_C, V_{CE}).
- Evaluate $A_v (= v_o/v_i)$, R_i , and R_o .

