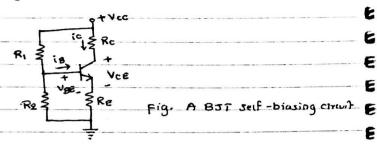
that he = 100, R1 = R2 = 26kl, and Vcc = 10V, find the value of RE and Rc such that the BJT is biosed in the active region at Ica = 2MA and VcEQ = 4V.



5

È

E 3

E 3

he= he= 100, Ri= Rz = 26 km, Rc = 980m. Re= 2 km,
and vec= 100, Find (a) gm (b) re (c) Rin and (d) Av

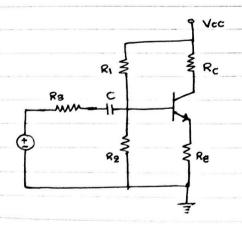


Fig. A BIT Capacitively Coupled to an ac Source.

8.3) for the emitter follower given in below tigure.

Suppose that her = her = 100, Ri= Re = 26ks,

RE = RL = 2ks, Rs= 1ks, and Vcc = 10V. Find

(a) Ve/Vb (b) Rin, and (c) Ro.

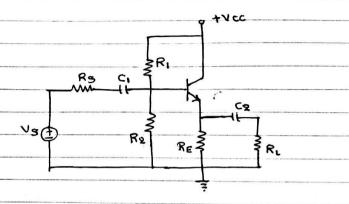


Fig. Common - collector amplifier (emitter follower)