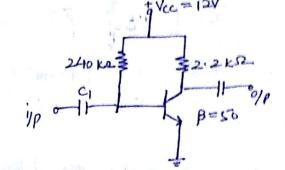
Module -II

Tutorial Sheet - I

Q:1: Determine the following parameters for fixed bias Configuration (fig 4)

Assume VBE = 0.7V

Ans: IB= 47.08 HA, Ic= 2:35 mA VCE = 6.83 V, VB = 0.7 V, VC = 6.83 V



8.2: for the Emitter bias network determine

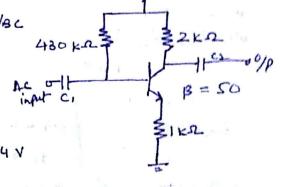
a) IB + Ic, b.) VCE, Vc, VB C) VBC

IB = 40.12 HA

Ans: Ic = 2.01 m 2.006 m A

NCE = 13:94 V VB = 2.74 V

Vc = 15.96 V | YBC = - 13.24 V



Q:3: For the given network determine the U/Q-Pt- Co-ordinality

(i) VB, VE, VBC

47 KSZ

AM: Ic = 1.86 mA, VCE = 11.26V

VB = 0.7 V, VE= +0.56

B=120

8.4: Draw De load line and locate · operating Point. for the ginen network.
Also find stability factor g+15V

Pc= 2.096 mA

Vc= 5-165 V

5= 12-1

