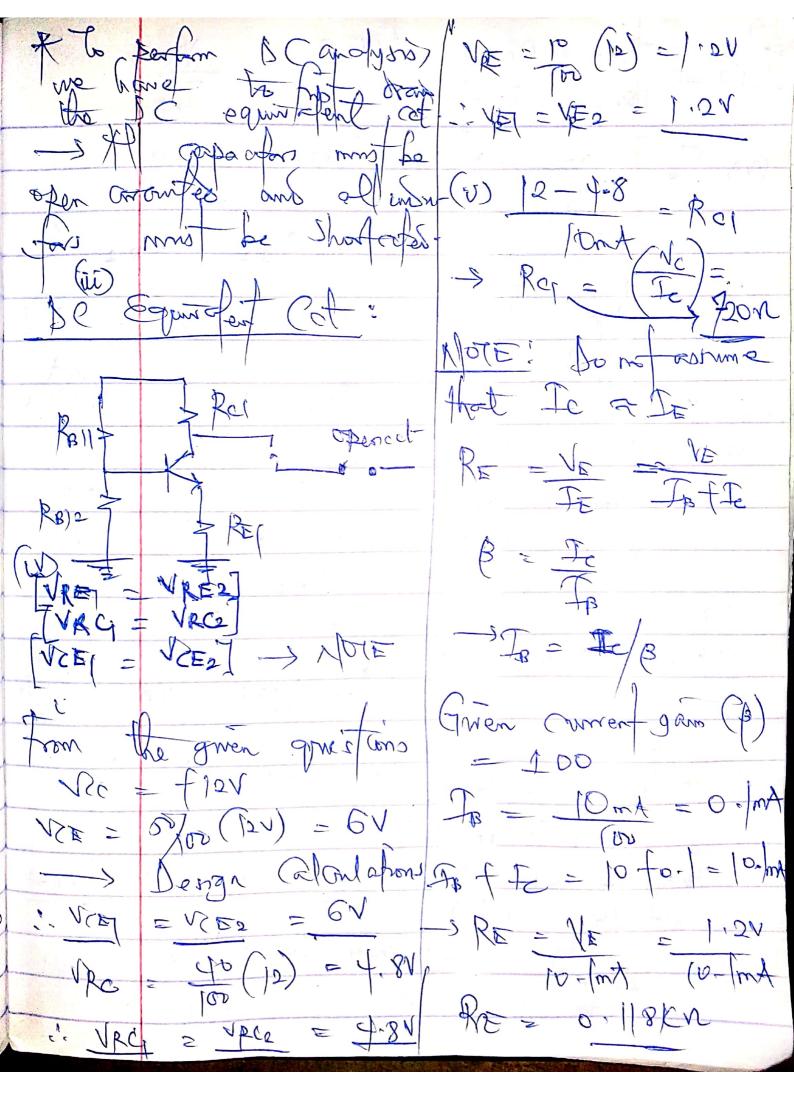
Process of wing deadne forms ton 2 in the enthe Desortion courses by " .. VE = To XVCC 18 01 2022 Jointon to fin To obtain amplissation, - VRC = 40 / Vcc (Little, Jessyn egnation 1) Serge Frank um og I sen dreatly from the design ossumptions!
(1) VCE = 0.5VCC Dosogn Sprintions 25 VRC = 0. + Vec Longy Abrilations (3) NE = 0- Nce (A) B = hpe = fe (mrent) [FB] (is the presence of Jerryn Spiaissorwins

Longh the presence of Eerzin equitions

Lingly market assumptions. Assumption I be 50 Vcc to Descondensor



(X) PB12 = VRB/2 TRB/2 Mote! TRC1 = RC2

RE1 = RE2 (NS JA) = VERIL

RES RES TRANSPORT

RES RES RES And RB/2 = RB22 JB = Fe/B = JB1 = JB2 -> RB/2 = PB22 = 1-9y (in to Elson transfors, RB/2 = RB22 = 1:9/m (N) VCC = VRBII + VRB/2 VRB12 = VBE + VREI in URBII = VCC -VRB/2 = 0-7 + 1.2 - : VEBIL = 12-1.9 VPB)2= [-91 VRB11 = 10-12 VRB12 = VRB22 = 19V In URBIL = URBRI = 10.1V (viii) IRB/2 is novally
10 times the fase
The fase
The fase
The fase
The fase ny IRBI = IB+ TRB12 = 0.1 +1 IRBII = 1. 1 mt = IRBa) > IPM2 = IPB22 = 10 IB = 10 (0-1mt) (ny RB11= VRB11 = PB21 = 1mA IRBI

RB1 = RB2 = 10.17 Of: Acom Ac equipped = 9-18xn ZIM ) - 5 Marks the end of the AC Analysis. ONTO the Ac Analysis 2 RBp2 | REE (XIII) le drais the 10 equiréleit cet: - For AC equivalent cet, Tranctor - open cet, ZIN = ( BII | PB 12 | PBE) Innocoo open cet 2m - Margaret cet Xix) Co = 2m f Xc my halp to colonate the value of the capacity xc is would not too. Swen, so, assumption CINI -> de construé por pase IXC = 10 KE] (M2 - 1/2 compling of 2m tog Am recall RE = 0. 1/8km (E) By pass (manter) Xc ~ 1 (0.118kn) aying apad XC = 11.8800. ( ) 0/b [CM = (No] to requence of 30B = 30M/2/

> re = 25ml CFT = 19.59 pF re = 2.4752x ZIM = 2/7.52 X RBIL || RBIL || RE) CEI = CE2 = \$49.59 PF To capitate (IN), we so botom the in put unper the cot: -> ZIN = 27. 17087KM GMZ\_ 27 (30m)/2 ) (27.1700m) 2 Tf3dB ZIN = 0.1953 nf = CIN2 Zing topul masoance as seen by the some conce which is the signal generator. And 2xtales Zowy Zang = Rc = 7200 ZIN = (RBII | RBI2 Contine 1

REE) X Broc 27 f3 dp Rc CM = 7.37pf Bre:
We book emitter atend these can then be
resistance than to knot erro and
The = 25 mV/I for 26 mV time (ates), and then

that on a beaution of the on I fank a B. On the estimates teapment response to simply the amplifier frequency response for Bose Pot 277 = LC7 diagram. (XVI) Simply comment on the or L = F(2xf) L = 0.2606n# efficiency of the days L = 0.2660 ntt

A complified (Eff = 50 h) (Xix) t response having upwork and domnates. (xvi) In oseelder wan compliser with a few back to frequency will Take the Colpits out fit very

Madar Few Jack path 6/2 ...?

and connect it to the 1 en Co

mont of the 2nd Jage. Pen Co (remaining questions cont f = 2017 be treated