Analog Tute 7 ai Total gair = 40 x 50 x 60 = 12x104 Total gair in dB = 20 (log10 (40) + log10 (50) + log10 (60)) = 20(1.602+1.699+1.778) = 101.58 dB f, = 1 Jz'm-1 f= J(2''-1) f2 $\frac{A_{V_L}}{A_{V_M}} = \frac{1}{\sqrt{1 + f_1^2}}$ f'= 64 = 39.44 Hz f'=)(2"2-1) (10) = 6.43 KHz

Page No. Q5 Z'= FII P2 11 Pie P, 11 P = 47(10) = 8.246 K52 8. 246 K-2 11/ie = (8.246) (2.2) 10,446 Z:=1.737KD 20= 1 = 4KQ 20s = 2, 11Rc = 4(4.7) - 2.16 K-52 Volt gair of Ist stage A, = - hfe x Pac lie = - 4.7 (P511P301P611 lie) Pac, = 13 11 1.737 K&L = (4.7)(1.737) = 1.27 K.R 6.437 A1 = -4.7×1.27 = -2.71×12 2.2 Volt gain of Ind stage, A2 = -4.7 × 2.16 = -4.61km overall gain (A) = 12.5 th S2

