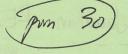
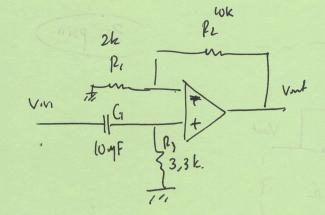


23 2442

159,2 Hz

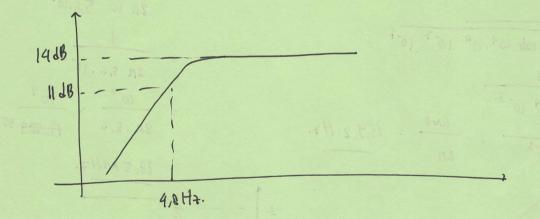


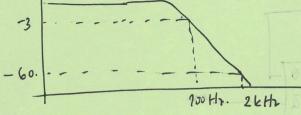


(.)
$$\int c = \frac{1}{2n \, R_3 \, C_1}$$

$$= \frac{10^2}{2n \, 3.3 \cdot 10^3} = \frac{10^2}{2n \, 3.3} = \frac{10^2}{20,774} : 4.8. \, Hz. \quad (+10)$$

d).
$$A = \frac{\beta^2}{p_1} + 1 = \frac{\log k}{2k} + 1 = 6 \times .$$
 $dB = 20. \log 6 = 20. (\log 2 + (\log 5).$
 $= 20. (0,72) = 14 dB$





b) orde filter.

$$A_{db} = 20 \cdot \log \frac{v_0}{v_1} = 2v \cdot \log 10^{-3} = -60 \, dB.$$

$$m = \frac{-60 - (-3)}{(y 24 - by w)} = \frac{-53}{1}$$

C2
$$R_3$$
 R_4
 R_5
 R_7
 R

J) # fc = In (p, p, G(2) 2. anggy k: wk.

