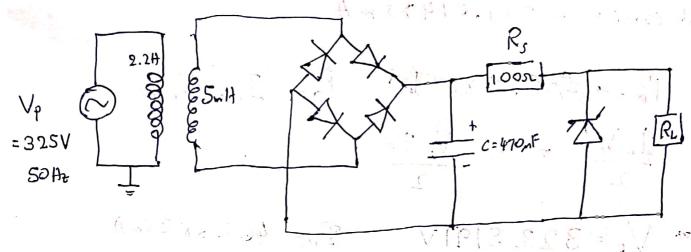
01)



THE PARTY

$$\gamma = \frac{V_{pp}}{V_{16}} = \frac{322.01672hV}{11.94} = 0.02696$$

. Zener diode can handle the maximum current.

for each 05) PIV = 14.644293V diode peah carrent = 221.01423 mA 06) Pac= Ir.m. Vr.m. Pac = Tm Vn = Vp Ip  $V_p = 323.5191V$   $I_{p^2}$  466.6825mA .. Pac = 75.49 W/ P<sub>L</sub> = V<sub>L</sub> I<sub>L</sub> = 11.94× 11.605mA = 0.13856 W  $7 = \frac{P_L \times 100\%}{Pac} = \frac{0.13856}{75.49} \times 100\%$ = 0.1836%

or) Increase the capacitance of smoothing capacitor then we can reduce Vpp voltage therefore it optimize the zener resulation