$$V = 200 \sin (3148 - 30)$$

$$= 260 \cos (3148 - 30^{\circ})$$

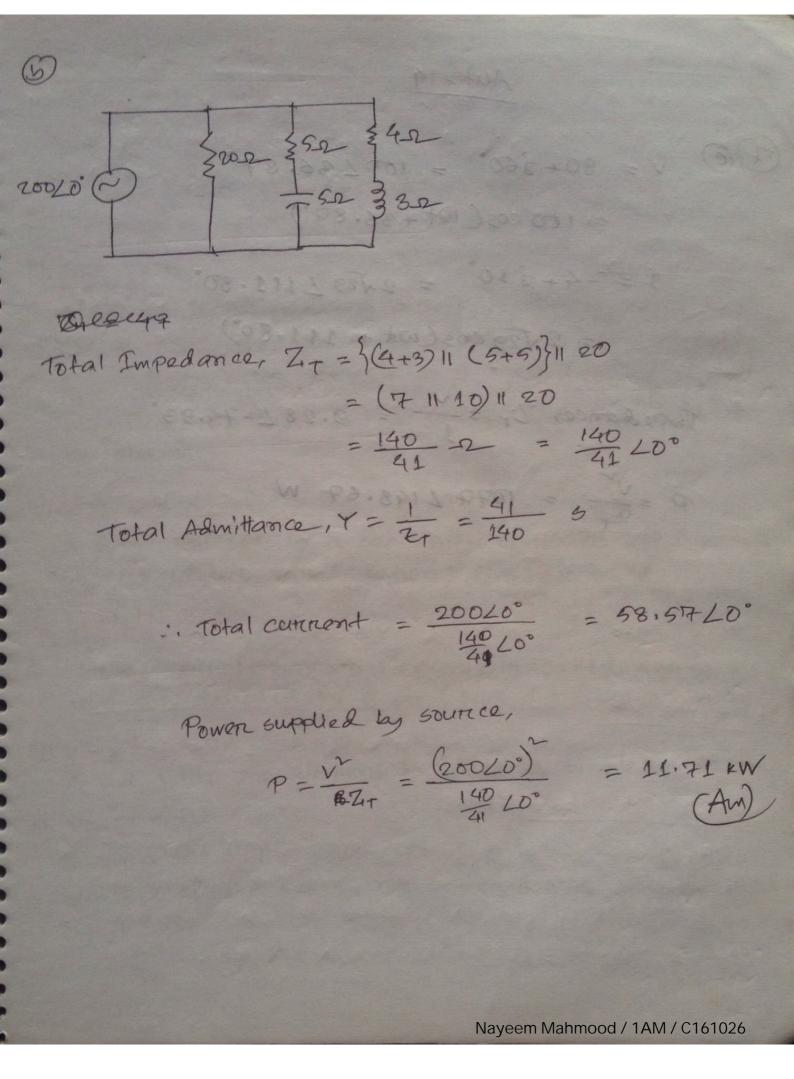
$$= 260 \cos (3148 - 120^{\circ})$$

$$W = 314 \text{ ralls}$$

$$Peactance = \frac{1}{WC} = \frac{1}{314 \times 60 \times 10^{-6}} = 39.81 \cdot 12$$

$$Impedance & 804 F Capaciton, Z = \frac{1}{3WC}$$

$$= -\frac{1}{39.81} \cdot 12 - \frac{1}{39.81} \cdot 12 - \frac{1}{39.81}$$



Aut-14 V = 80+260° = 100 L 36.87° = 100 cos (W+ 36.87°) I = -4+ i 10° = 2 J29 L 111.80° = 2 \(\frac{1}{29}\) \(\cos \Cw\) + \(\perp \) \(\perp \) Impedance, $Z_{T} = \frac{v}{L} = 9.28 L - 74.93°$ P = = = 1077 L148.67 W