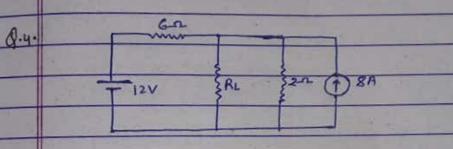
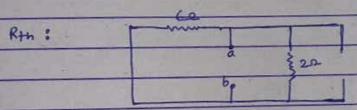


$$P_{\text{max}} = V_{\text{th}}^2 = 30^2 \times 6 = 20.76 \text{ watt } \%$$

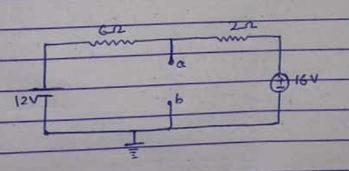
4R+4 4 × 65





Max power is transferred to bod:

R1 = Rtn = 36 x81 - 1.5_2 Ag



$$\frac{V_{a}-1^{2}}{6}+\frac{V_{a}-16}{2}=0$$
 : $V_{a}=15$

$$V_{4n} = V_4 - V_b = 15V$$

Q.50

$$P_{max} = \frac{(15)^2 \times 2}{15} = \frac{5 \times 15}{2} = \frac{37.5 \text{ watt}}{2}$$