

Gabarito

Cap. 7: Geradores e receptores elétricos

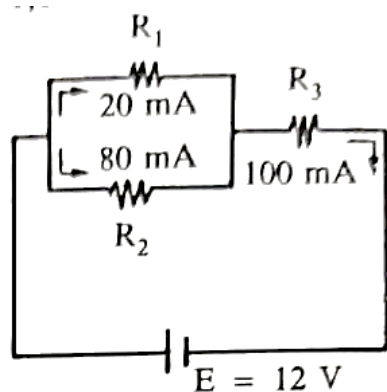
1 – a) 4 A;

b) 15 Ω ;

c) 75 %.

2 – 5 Ω

3 – a)



b) $R_1 = 100\ \Omega$; $R_3 = 100\ \Omega$.

4 – a) 600 C; b) 24 W.

5 – a) Em série, pois a corrente no gerador deve ser a menor possível.

b) $U = 6,30\text{ V}$

6 – a) 4 A; b) 90 %; c) 720 W

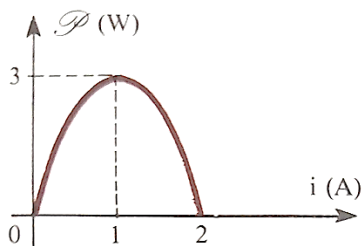
7 – a) 10 A; b) 105 W.

8 – a) 32 W; b) 8 A; c) 3 A ou 5 A

9 – $E = 48\text{ V}$ e $r = 4\ \Omega$

10 – a) 16 Ω ; b) 16 V e 5 A

11 – a) $R = r$; b) Parábola



12 – 18 V, 3 Ω e 6 A

13 – 0,5 A e 15,75 V

14 – 1,5 V e 0,4 Ω

15 – 5 V e 0,5 A

16 – 6 V e 1,6 Ω