

# AVAGAEMINHA.COM.BR - GABARITO DE RESPOSTAS

Aula: Potencial Elétrico

Curso: ELETROSTÁTICA

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## Respostas

1.

E

2.

a)  $V = 600 \text{ V}$

b)  $W = 0,0006 \text{ J}$

3.

$30 \mu\text{C}$

4.

B

5.

D

6.

C

7.

C

8.

A

9.

a)  $60 \mu\text{C}$

b)  $1,8 \text{ MV}$

**10.**

26

**11.**

E

**12.**

a)  $x = 4 \text{ m}$ .

b)  $15 \times 10^4 \text{ V}$ .

c)

i) módulo de  $a = 0,3 \text{ m/s}^2$ ;

ii) direção: eixo X;

iii) sentido negativo.

**13.**

E

**14.**

a)  $6 \times 10^7 \text{ N/C}$ .

b)  $3 \times 10^6 \text{ V}$ .

**15.**

C

**16.**

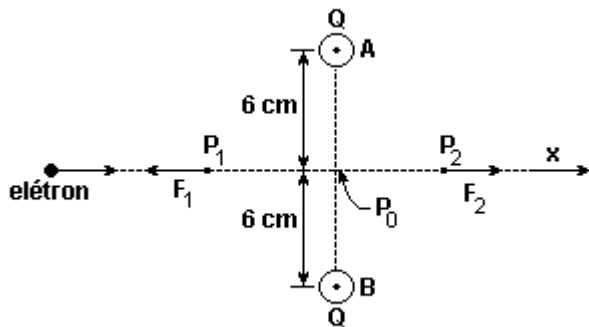
E

**17.**

D

**18.**

a)



b)  $V = -1,44 \cdot 10^3 \text{ V}$ .

c)  $E = 1,44 \cdot 10^3 \text{ eV}$ .

19.

a)  $q_1/q_2 = r_1/r_2$ .

b)  $E_1/E_2 = r_2/r_1$ .

20.

A

21.

$$\sqrt{2gh}$$

22.

B

23.

D

24.

B

25.

$$Q_1 = \frac{-2Qa}{b}$$

$$Q_2 = \frac{Qa}{b} \left( \frac{2a}{b} - 1 \right)$$

$$Q_3 = \frac{Qa^2}{b^2} \left( 3 - \frac{2a}{b} \right)$$