一 . 岜择题 .

- 1. 由于试探电荷与带单作导导. 乳大则带曲件表面的一种 破人变为 则: Fao 比 P这层成场限大 (A)
- 2. 根据电势型加.名带电阵单独存立, 车某空电势代数和。

$$V = V_1 + V_2 = \frac{9}{4250r} + \frac{Q}{4250R}$$
 (B)

3.
$$P = \nabla = \Sigma E = \Sigma_0 \Sigma_T E$$
.
 $V_0 - V_0 = E \cdot h = \frac{\nabla}{2\Sigma_0} \cdot h$. $V_0' - V_0 = E \cdot h = \frac{\nabla}{2\Sigma_0} \cdot h$. $V_0 = V_0'$ (3/4) $V_0 = V_0'$ (3/4) $V_0 = V_0'$ (3/4) $V_0 = V_0'$ (3/4)

5.
$$\underline{\xi}_{S} + \underline{\xi}_{ZY^{2}} = 0$$
 ($\underline{\xi} \underline{B} \cdot d\overline{S} = 0$) $\underline{\xi}_{S} = -B \cdot ZI^{2} \cdot CD \times (A)$

$$\frac{4}{D} = \frac{9}{42R^2} + \frac{9}{42R^2} = \frac{9}$$

$$\therefore \vec{k}_d = \frac{d\vec{D}}{dt} = \frac{q}{42R^2} (sinvt\vec{i} - cosnt\vec{j}). \quad (0)$$

$$W = 9 \cdot V$$
 $V_0 = 0 : W$

$$A_{\mathbb{R}} = -\Delta F_{p} = W_{p} - W_{o}$$

$$+9 \xrightarrow{A} \xrightarrow{O} \xrightarrow{P} \xrightarrow{B} \xrightarrow{D} W = 9 \cdot V \qquad V_{o} = 0 \quad \therefore W_{o} = 0$$

$$A_{\mathbb{R}} = W_{p} = \mathbb{Q} \cdot \left(\frac{9}{4\pi z_{o} B l} - \frac{9}{4\pi z_{o} l}\right)$$

$$= -Q \frac{9}{6\pi z_{o} l}$$

$$=-Q \frac{1}{6\pi s_0 L}$$

$$U_1 < U_2 < U_3$$

$$Z_{2M}^{2M} : E_{\alpha} = E_b$$

12.
$$\frac{9.92}{4240 r_1^2} = \frac{9.92}{4228 r_2^2}$$
 : $2r = (\frac{r_1}{r_2})^2$.

$$\xi r = \left(\frac{r_1}{r_2}\right)^2$$

13. 保持电顶连接,U

i)
$$\frac{1}{C} = \frac{1}{C_1} + \frac{1}{C_2'}$$
 $\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}}$

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(添地荷生物2里势为6)

产处电势和0岁排军(导阵等势阵)

15
$$\Rightarrow \int \vec{H} \cdot d\vec{l} = \Sigma \vec{I}_0$$

:
$$H \cdot 22r = I$$
 $H = \frac{I}{22r}$ $B = \mu H = \frac{\mu I}{22r}$

:.
$$2i = -\frac{d^{2}}{dA} = -\frac{1}{4} \times R^{2} \frac{dB}{dA} = -\frac{1}{4} \times R^{2}K$$

其大小为 古之R2K 基的和连附排 C→b

$$2L$$

$$18. W = \frac{1}{2}LI^{2}$$

$$L = Mo \frac{N^{2}}{\lambda}.ZR^{2}$$

18.
$$W = \frac{1}{2}LI^2$$

$$\frac{1}{N_2} = \left(\frac{R_1}{R_2}\right)^2 = \left(\frac{d_1}{d_2}\right)^2 = \frac{1}{16}$$

$$\therefore \vec{f} \cdot \vec{d} \cdot \vec{d} = I_d = \frac{d\vec{E}_D}{dt}$$

i)
$$\phi \vec{E} \cdot d\vec{\lambda} = -\frac{d\vec{E}_m}{d\vec{\lambda}} = -\int_{0}^{1} \frac{d\vec{k}}{d\vec{\lambda}} \cdot d\vec{s}$$
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