

اردیبهشت | MAY ماح سؤالات درس فرید - سیم، رابع

15.12.11

PK

۳/۴۲ هر چه خط طبعی است موی تر ← افق تر

11/12

$$1 \text{ Kwh} = 10^3 \text{ J} \rightarrow 10^3 \times 10^3 \times 10^3 = 10^9 \text{ J}$$

$$= 900 \text{ mJ}$$

 $\kappa/\kappa\omega$

عزله اول

ملوہ درم

فصل سوم

روز جهانی کار و کارگر

Handwritten notes on lined paper:

Left side:

- Top: A circle containing the number 5, with a superscript 0 to its right, followed by a vertical line and the number 15.
- Middle: A circle containing the number 15, with a superscript 10 to its right, followed by a vertical line and the number 15.
- Bottom: A circle containing the number 25, with a vertical line and the number 15.

Right side:

- Top: A circle containing the number 5, with a superscript 0 to its right, followed by a vertical line and the number 15.
- Middle: A circle containing the number 15, with a superscript 10 to its right, followed by a vertical line and the number 15.
- Bottom: A circle containing the number 25, with a vertical line and the number 15.

Center:

- A red double-headed arrow pointing left and right, with the number 15 written above it.
- Below the arrow, the text "FRI DAY" is written in red.
- Below "FRI DAY", the date "2 | 05 | 2025" is written in red.
- Below the date, the text "F. 2025" is written in red.

$$1. - 2. = 9. m$$

1/154

$$N_1 = N_2$$

$$\frac{1}{2}at + 1, a = vt \rightarrow t = 1s$$

$$\alpha_1 = \alpha_r \Rightarrow \frac{1}{r} t^r + 1, \omega t + r, r\omega = t^r$$

→ $t = 35$ معلم

شهادت استاد مرتضی مطهری (۱۳۵۸ هـ. ش) - روز معلم

$$\Delta t = \gamma - 1 = \gamma_s$$



T F S S M T W T F S S M T W T F S S M T W T F S

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

۲۰۰۰
۵۲۴۹.۳۵۶۲

f (fv)

$$\rightarrow \Gamma \lambda = \lambda a + \Gamma \lambda$$

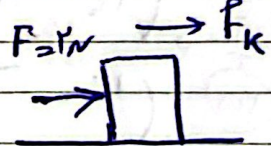
$$-Y_0 = +\lambda a \rightarrow a = -\frac{Y_0}{\lambda}$$

$F = 4\text{ N}$



(1) $F - f_k = ma$ د. ع. م. م.

(x) $F + F_k = ma$ حالت دوم



$$\gamma F = \gamma m a \rightarrow F = m a \rightarrow \gamma = 1/a \rightarrow a = \gamma \frac{dv}{dt}$$

$$a = \frac{\Delta v}{\Delta t} = \frac{a}{\Delta t} \rightarrow \Delta t = 15$$

$$\text{Cost} = r \times r = rs$$

روز تجلیل از امامزادگان و بقاء متبرکه





$$mg - T = ma$$

۲ (۵۰

$$9.1 \times \omega - 1.4 r_0 = \omega \cdot a$$

$$\omega (9.1 - 1.4) = a$$

$$a = 1.2 \frac{m}{s^2}$$

$$(11) F = m_1 a = 1.2 m_1 \quad \text{۱ (۵۱)}$$

$$(12) F = m_2 a = 1.2 m_2$$

$$m = m_2 - m_1 = 1.2 m_1 - m_1$$

$$= 0.2 m_1$$

$$F = 1.2 m_1 \times a$$

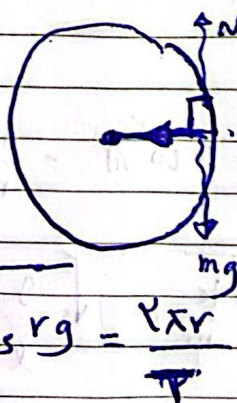
$$1.2 m_1 = 1.2 m_1 \times a \rightarrow a = 1 \frac{m}{s^2}$$

$$F_s = ma = \frac{mv^2}{r}$$

$$\mu_s F_N = \frac{mv^2}{r}$$

$$\mu_s mg = \frac{mv^2}{r} \rightarrow v = \sqrt{\mu_s rg} = \frac{1 \times r}{1}$$

$$(2) \text{ طرین } \rightarrow \mu_s rg = \frac{v^2}{r}$$



۲ (۵۲



$$T = \frac{2\pi}{\omega} = \frac{2\pi}{2\pi} = 1$$

MAY | اردیبهشت

$$\mu_s \times 10 \times 91 = \frac{F_x \times \cancel{x} \times \%1}{\cancel{x} \times 9}$$

ادامہ (۵۲)

$\rightarrow \mu_{S \times 1} = 1.34 \rightarrow \mu_S = 1.34$

$$v = \sqrt{\frac{F}{\mu}} = \sqrt{\frac{F}{\rho A}}$$

$$\frac{v_A}{v_B} = \sqrt{\frac{F_A}{F_B} \times \frac{P_R}{P_A} \times \frac{A_B}{A_A}}$$

فرض $P_A = P_B$

$$\frac{100}{v_B} = \sqrt{\frac{v_{AB}}{r_{AB}}}$$

$\rightarrow N_B = 100 \frac{m}{s}$

فہمیں حضرت کو

09 249. 24295

10 lak

$$E = \frac{1}{r} m \omega^2 A^2 = \frac{1}{r} K A^2$$

$$\underline{I}(aa)$$

$$\omega = \sqrt{\frac{k}{m}} = \sqrt{\frac{g}{l}} = \sqrt{\frac{10}{r_{\text{axl}} \cdot r}} = \sqrt{\frac{10000}{r_{\omega}}} = r_{\omega}$$

$$E = \frac{1}{2} \times \frac{1}{10} \times 100 \times 10^{-4} = 19 \times 10^{-4} \text{ J} = 19 \text{ mJ}$$

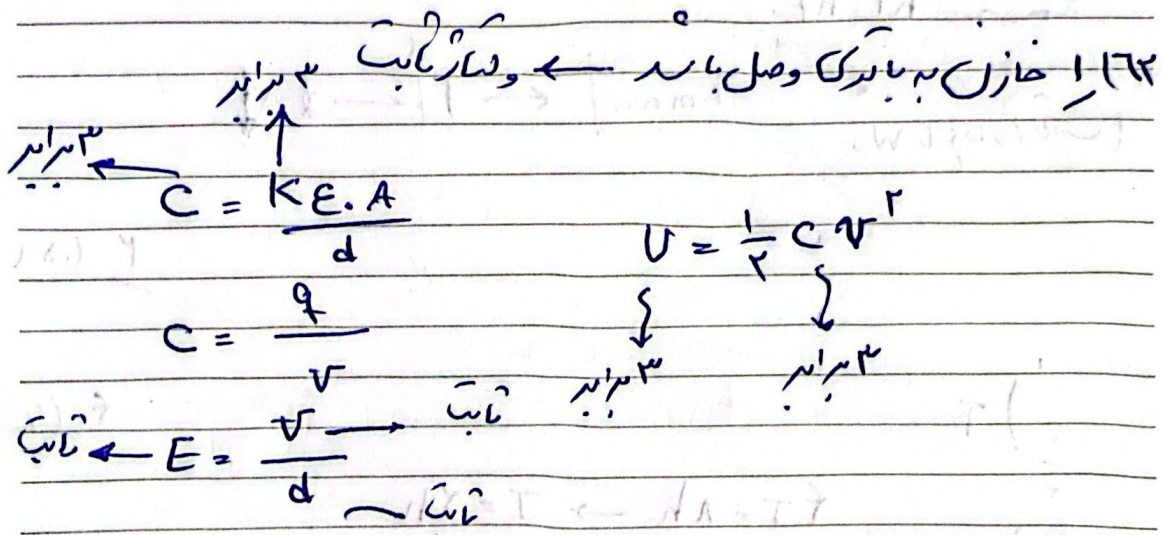
روز بزرگداشت شیخ صدوق



Telegram: @konkur_in

$$f(71)$$

$$\frac{F'}{F_1} = \frac{\sqrt{r} F}{\frac{F}{r}} = r\sqrt{r}$$



$$I = \frac{\sum \mathcal{E}}{\sum R + \sum r} = \frac{14-7}{4} = 2 \text{ A}$$

$$p/p = E, I - rI^r = 29 \times 2 - 1 \times (2) = 56$$

∴ P = $E_r I + r I^2 = 4 \times 2 + 2 \times 2 = 10 \text{ W}$

$$\frac{\rho_{\text{fluid}} P}{\rho_{\text{air}} P} = \frac{\gamma_0}{\gamma_2} = \frac{1}{\gamma}$$



$$\frac{R_A}{R_B} = \frac{P_A}{P_B} \times \frac{L_A}{L_B} \times \frac{A_B}{A_A} = 1$$

۳ (۶۴)

(اصل)

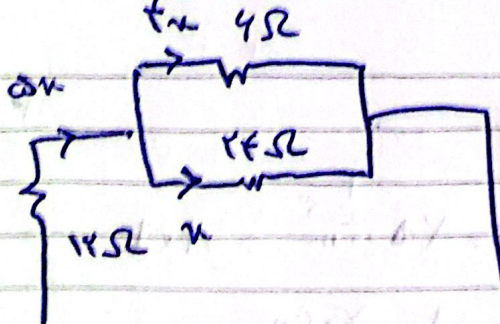
$$\frac{m_A}{m_B} = \frac{1}{2} \Rightarrow \frac{P_A V_A}{P_B V_B} = \frac{1}{2}$$

$$\rightarrow \frac{A_A L_A}{A_B L_B} = \frac{1}{2} \rightarrow \frac{A_A}{A_B} = \frac{1}{2} \rightarrow$$

$$\frac{A_B}{A_A} = \frac{2}{1}$$

۱ (۶۵)

روز بیماری های خاص و صعب العلاج



$$\frac{V_{12\Omega}}{V_{4\Omega}} = \frac{12 \times I_x}{4 \times I_x} = \frac{3}{1}$$

فهرست حقیقت و
۰۹۴۶۹-۰۴۶۹۴

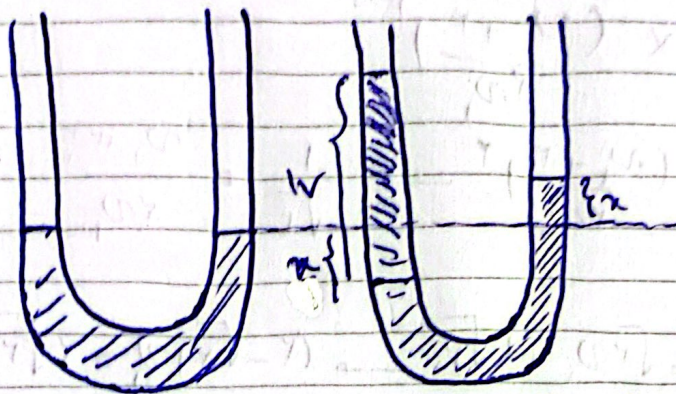
ولادت حضرت امام رضا (ع) (۱۴۸ هـ.ق) - روز بزرگداشت شیخ کلینی



T F S M T W T F S S M T W T F S S M T W T F S
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

هر د بار (۲)





$$14 \times 2 = 13.4 \times 2$$

$$u = \frac{24}{13.4 \times 2} = 1.25 \text{ cm}$$

$$W_t = \Delta K = \frac{1}{2} m (v_f^2 - v_i^2)$$

$$24000 = \frac{1}{2} (40) (v_B^2 - 1425)$$

$$\rightarrow v_B^2 = 2000 \rightarrow v_B = \frac{60 \text{ m}}{5} \times 3.4 = 142 \text{ km/h}$$

$$\frac{1}{2} \frac{K_1}{K_2} = \frac{m_1}{m_2} \alpha \left(\frac{v_1}{v_2} \right)^2$$

$$\frac{1}{2} = 2 \times \left(\frac{v_1}{v_2} \right)^2 \rightarrow \frac{v_1}{v_2} = \frac{1}{2}$$

$$v_1' = v_1 + r \rightarrow \frac{K_1'}{K_2} = 1$$



(۷۲, ۲۰۱, ۱)

$$1 = r \times \left(\frac{v_1 + r}{rv_1} \right)^T$$

$$\frac{1}{r} = \left(\frac{2_1 + r}{r 2_1} \right)^r \rightarrow \frac{1}{\sqrt{r}} = \frac{2_1 + r}{r 2_1}$$

$$r\omega = \sqrt{r}\omega + i\sqrt{r} \rightarrow (1 - \sqrt{r})\omega = i\sqrt{r}$$

$$v_1 = \frac{r\sqrt{r}}{r-\sqrt{r}} \times \frac{r+\sqrt{r}}{r-\sqrt{r}} = \frac{\Sigma\sqrt{r} + \epsilon}{r}$$

$$v_1 = r\sqrt{r+r}$$

$$\frac{1}{\sqrt{2}}$$

1 (V3)

$$\frac{P_r V_r}{P_i V_i} = \frac{n_r T_r}{n_i T_i} \xrightarrow{P_r = P_i} \frac{V_r}{V_i} = \frac{T_r n_r}{T_i n_i}$$

$$\frac{V_r = V_1}{\sim} \quad I = \frac{n_r T_r}{n_1 T_1} \rightarrow I = \frac{\gamma q \lambda n_r}{\gamma q v n_1}$$

$$\rightarrow n_2 = \frac{r_2 V}{r_1 V} n_1 \rightarrow n_2 = \frac{1}{r_1} n_1$$

$$r(v_a)$$
