

تعیین

$\frac{Q_1}{T_1} = \frac{Q_2}{T_2} + \mu d \Rightarrow \mu d = \frac{Q_1}{T_1} - \frac{Q_2}{T_2} \Rightarrow d = \frac{Q_1}{T_1} - \frac{Q_2}{T_2}$

$$E_0 + (n-1)V = P_0 \Delta \Rightarrow (n-1)V = 14 \Delta \Rightarrow n-1 = 28 \Rightarrow n = 29 \text{ (مستجاب)}$$

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سوال (۶)

$$\forall Vn - F \leq 1000 \Rightarrow 10^{10} Vn < 100E \Rightarrow |E_n - \langle n \rangle| < 10^7$$

$t_{14} = 14$ $t_{15} = 15$ $\Rightarrow$ $t_{14} = 14 \cdot 10 + 1 = 141$

$$a_1 + a_2 + a_3 = 11 \quad \Rightarrow \quad a_1 - a_3 = 9 \quad (\text{سوال ۳})$$

$$a_1 x + a_2 y + a_3 z = 9 \quad a_1 x - a_1 - 1^0 dz^9 y dz - 1^0$$

$${}^{\mu}a_1 + {}^{\mu}d_3 \cdot 1 \cdot P \Rightarrow {}^{\mu}a_1 - 9 \cdot 1 \cdot P \Rightarrow {}^{\mu}a_1 = 1 \wedge {}^{\mu}d_3 = 9$$

$$Q_{1v} + Q_A = P_{01} + \cancel{P_{02}} + P_1 + \cancel{P_{12}} + (-P_2) = \text{ME}$$

$$P^{n+1} = P^{PM} - P^{u} + P^{a} - I \Rightarrow P^{n+1} = P^{u+PM} + P^{a} - I \quad (\text{مربع كامل})$$

$$P + P - P = K \Rightarrow P(-K + 1 + P^q) = K \Rightarrow P^q(-10 + P^q) = 0$$

ماحولیاتی مسائل کا حل
 جواب ۲ - فی کس

$$Q_{\text{avg}} = \nu^H + \nu^K - \nu^I + \nu^P = 12 + 14 + 15 + 1(1) = 42$$

$$t_{10} + t_d$$

$t_{11} - t_{10} = +5 \Rightarrow Pd = 5 \Rightarrow dz_{1.5}$ (بسرال 5)

$$t_{1r} + t_{1s} \rightarrow r t_1 + 11d + 9d = r t_1 + 20d \Rightarrow P_{1r} + 20 = P_{1s} \Rightarrow P_{1r} = P_{1s} - 20 = 11,0$$

$$z_1 = -1r, \omega \rightarrow z_1 + r \cdot \alpha_1 = -1r, \omega + R(r, \omega) \rightarrow \underline{\mu V, \omega}$$

11 April 2024

تعطيل

تعطيل به مناسبت عيد سعيد قطر

$$t_1 + t_2 + t_3 + t_4 + t_5 = \omega t_1 + 10d =$$

$$t_4 + t_5 + t_6 + t_7 + t_8 = \omega t_1 + 10d$$

سؤال 4:

$$\omega t_1 + 10d = \frac{1}{\mu} (\omega t_1 + 10d) \Rightarrow 10\omega t_1 + 10\mu d = \omega t_1 + 10d$$

$$10 t_1 = - + \omega d = d = \mu t_1 \Rightarrow \frac{t_2}{t_1} = \frac{t_1 + d}{t_1} = \frac{\mu t_1}{t_1} = \mu$$

$$t_n - t_{n-1} = \mu d \Rightarrow \mu d = 10 \Rightarrow d = 10$$

$$t_9 - t_8 = \mu d \Rightarrow (t_9 / t_8) (t_8 / t_7) \dots (t_2 / t_1) = \mu^8 \Rightarrow \frac{t_9}{t_1} = \mu^8 \Rightarrow \frac{t_9}{t_1} = \mu^8$$

سؤال 7:

$$d = \frac{1 + \sqrt{10} - (1 - \sqrt{10})}{10} = \frac{1 + \sqrt{10} - 1 + \sqrt{10}}{10} = \frac{2\sqrt{10}}{10} = \frac{\sqrt{10}}{5}$$

سؤال 8:

$$\frac{10\sqrt{10}}{10} = \sqrt{10}$$

$$\frac{10 - 1}{10 - 1} = \frac{10 - 1}{10 - 1} = \frac{10}{10} = 1 \Rightarrow \frac{10}{10} = d$$

سؤال 9:

$$a_{n+1} \Rightarrow 1 + n \left(\frac{10}{10 - 1} \right) \Rightarrow 11 \Rightarrow n \left(\frac{10}{10 - 1} \right) = 9$$

$$\frac{10n}{10 - 1} = 9 \Rightarrow 10n = 10n - 9 \Rightarrow 10n = 9 \Rightarrow n = 10$$

$$t_n + t_{n+1} = t_1 + (n-1)d + t_1 + (n-1)d \quad \text{سوال ٥ :}$$

$$\Rightarrow t_1 + nd - d + t_1 + nd + d \Rightarrow 2t_1 + 2nd = 2t_1 + 2d + 14d$$

$$\Rightarrow 2t_1 + 2nd + d = 2t_1 + 14d \Rightarrow 2nd = 14d \Rightarrow 2n = 14 \Rightarrow n = 7$$

$$t_n = 1^0 t_1 \Rightarrow t_1 + 0d = 1^0 t_1 + 4d \Rightarrow 0d = 4d \Rightarrow t_1 = -d$$

$$t_1 + (n-1)d = 0 \Rightarrow (n-1)d = d \Rightarrow n-1 = 1 \Rightarrow n = 2$$